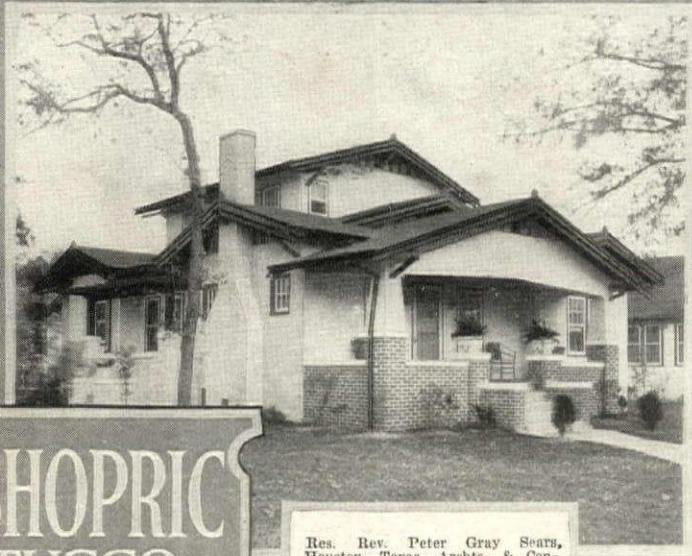




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**BISHOPRIC
STUCCO
OVER
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PROVIDES A UNIT WALL
FOR ALL TIME AND CLIME
SOLD BY DEALERS
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YOUR HOME

Here you see homes of thorough satisfaction—beautiful, durable “for all time and clime.”

BISHOPRIC STUCCO over BISHOPRIC BASE will insure your home against high up-keep and depreciation. Its life will not be reckoned in years, but by generations.

Bishopric Stucco and Bishopric Base are insulated, repelling winter's cold and summer's heat—cutting down fuel bills.

Comfort and fuel economy are mighty factors in every home owner's budget.

GRASP THESE FACTS—Bishopric Base LOCKS the stucco assuring strong, damp-proof walls. Good stucco should be water-proof as well as strong; BISHOPRIC is the strongest and most water-proof stucco that can be manufactured. Time and the elements are resisted by the strength and permanency of this matchless combination—BISHOPRIC BASE AND STUCCO.

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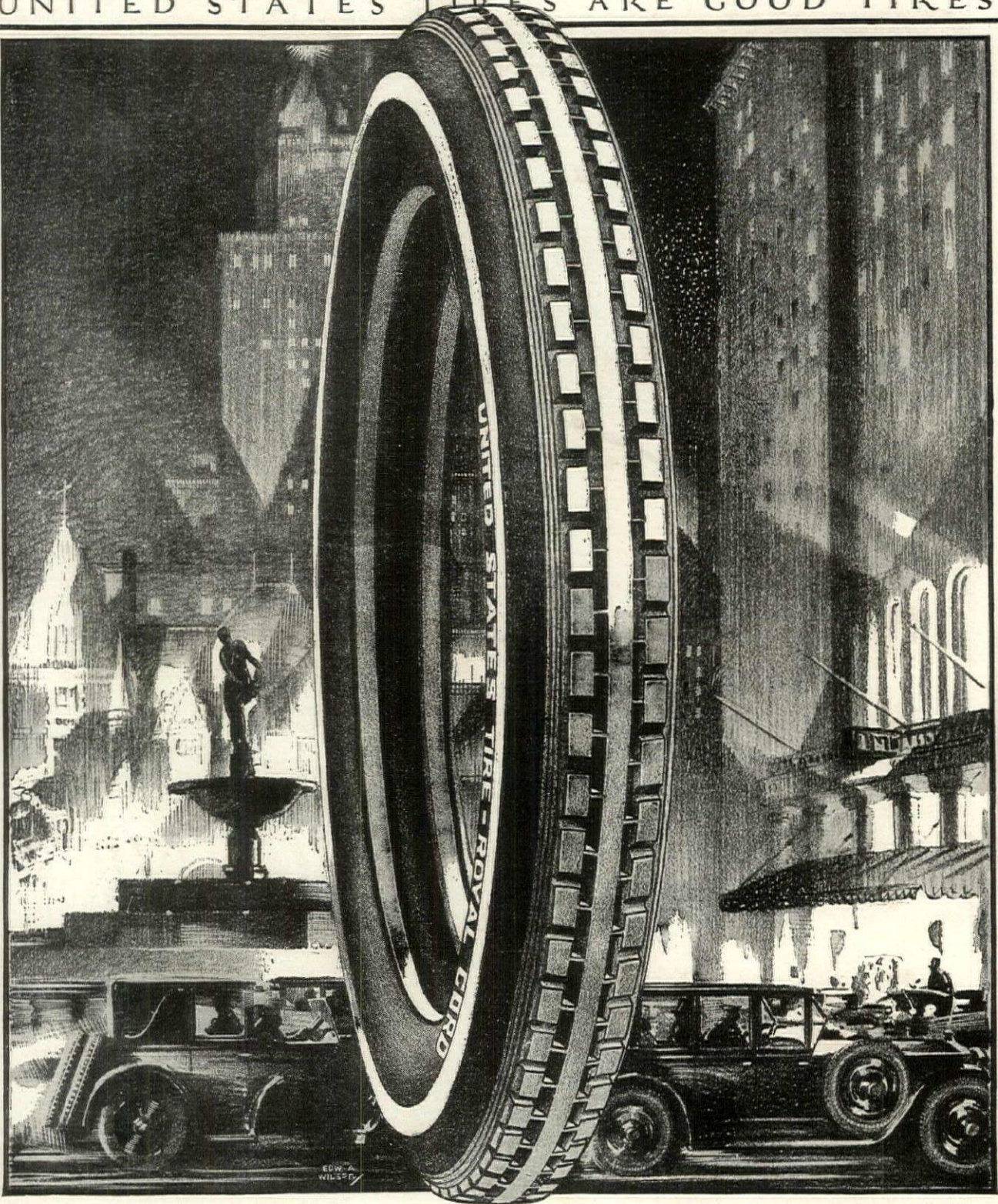
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Owners, Architects & Builders, The Joseph Larong Co., Cleveland, O.

PLAN BOOK—We have a book of interesting house plans, designed by several prominent architects. This will be sent to you upon receipt of twenty-five cents—coin or stamps. Write today for your copy.

UNITED STATES TIRES ARE GOOD TIRES



The "Royal" road is any road today—Fifth Avenue—"Main Street" or the country highway and byway. The service that Royal Cords are giving on all types of cars is

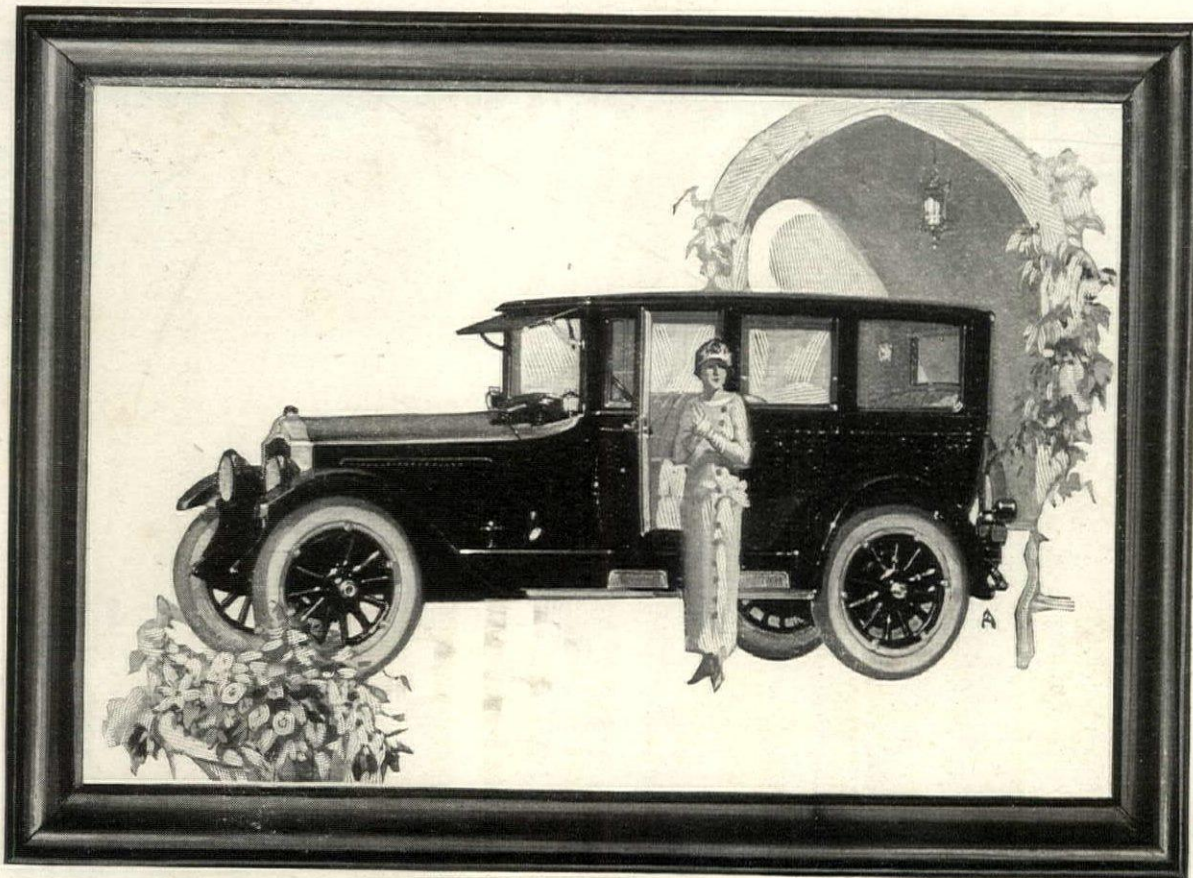
so truly remarkable that owners who are first attracted by their fine appearance soon come to appreciate even more the beauty of their utility.

United States Rubber Company



Trade Mark

U.S. Royal Cords



Pictured above is the Studebaker Special-Six Sedan—a study in the unobtrusive smartness of good form, which characterizes coachwork by Studebaker. The accessories, of course, are complete to the smallest detail—no single refinement, no minute convenience forgotten. The price is \$1985

Coachwork by Studebaker

—a warrant of the superlative in fine vehicles for more than 72 years

To attain the eloquent distinction between that which is bizarre and the simple dignity of good form—between obvious ostentation and unobtrusive smartness—is an art in carriage making which cannot quickly be mastered.

* * *

For more than 72 years, Studebaker has been carriage maker to the American aristocracy, meeting precisely and properly the wishes of the cultured.

So the *debonnaire* yet distinguished Studebaker closed car that you see is not a chance result. Generations of fine carriage building stand behind it.

It is the product of a city of coachmakers, the Indiana center of South Bend, noted internationally as the world-Mecca of artisans in this craft.

* * *

There, in the great Studebaker body building plants, one finds fathers and sons and grandfathers, born in the old-school Studebaker environment of superlative workmanship, working side by side in upholding a 72-year tradition. To them coach-making is a religion. And that is all they do.

So the world, now as always, looks to Studebaker for the ultimate in fine vehicles. No other maker has the Studebaker experience. No other the Studebaker traditions to inspire him.

EVERY LUXURY EXCEPT PRICE

Low price is the only contrasting feature of a Studebaker.

By producing 150,000 quality cars yearly—the world's largest quality production—Studebaker effects important economies in manufacture, which are reflected in Studebaker prices.

The finest materials money can buy are used in Studebaker cars. The workmen employed are the cream of the industry, to whom top wages, plus a bonus, are paid. There are numerous features in Studebaker found only in cars costing twice and more its price.

Over 750,000 Studebakers have been made and sold. The average cost for repair parts, as shown by actual repair parts sales, is \$13 per car per year.

Pay more but you can get no finer mechanism, no more dependable and distinguished car than Studebaker.

Send for the book

There is no greater myth in automobiles than that the price of a car is a measure of its class. We have just prepared a book, "Why You Cannot Judge Value By Price," of particular interest to the woman who seeks the utmost. It tells the five points needed to judge a car expertly; why some cars rattle at 20,000 miles, others not; explains one simple point that reveals instantly whether a closed car has been cheapened to meet a price or offers true quality. Mail the coupon for a copy.

BIG-SIX		
7-Pass.	126-in. W. B.	60 H. P.
Touring		\$1750
Speedster (5-Pass.)		1835
Coupe (5-Pass.)		2495
Sedan		2685

SPECIAL-SIX		
5-Pass.	119-in. W. B.	50 H. P.
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Roadster (2 Pass.)		1400
Coupe (5 Pass.)		1895
Sedan		1985

LIGHT-SIX		
5-Pass.	112-in. W. B.	40 H. P.
Touring		\$1045
Roadster (3 Pass.)		1025
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Coupe (5-Pass.)		1395
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All prices f. o. b. U. S. factories. Prices subject to change without notice

Mail This:

STUDEBAKER, South Bend, Indiana
Please send me your booklet, "Why You Cannot Judge Value By Price."

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Good Buildings Deserve Good Hardware

CORBIN

The Next 75 Years

ANOTHER BIRTHDAY. We are seventy-five this month.

Our seventy-sixth year we begin with gratitude—gratitude for the good will that has been given to us.

Manufacturing plants we have—finished and unfinished stocks we have—working capital we have—a loyal organization we have—all such as you would expect to find in the greatest business of its kind in the world.

But our largest asset—our most valued possession is good will.

Good will cannot be measured. It can only be acknowledged.

This acknowledgment we make gratefully to all who believe as we believe that “good buildings deserve good hardware”: to the public which has bought our products—to those architects, contractors, hardware dealers and carpenters who know Corbin hardware, use it and speak well of it.

THE next seventy-five years promise great things. This nation is a nation of builders. It is a lover of fine architecture. Beauty in all things is sought increasingly. Things that endure are valued more and more at their true worth. This nation—founded to endure—its permanence proved—is committed to all things that reflect an admirable national life, now and to come. The world is watching us.

In the next seventy-five years P. & F. Corbin sees its humble part to play. It is this—to keep pace with the nation and its aspirations—to contribute all that lies in its power to the beauty, serviceability, comfort and endurance of the public buildings we occupy and the private homes we live in.

To this contribution we pledge ourselves.

P. & F. CORBIN SINCE 1849 NEW BRITAIN CONNECTICUT
The American Hardware Corporation, Successor

NEW YORK

CHICAGO

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ART



UTILITY

1849 - P. & F. CORBIN - 1924



"They dreamt not of a perishable home who thus could build"—Wordsworth

Design No. 214. An early English house whose walls of rough-sawn quarry-run Indiana Limestone ashlar in courses of different heights possess a pleasing color range of subdued light grey to buff including varying tints of brown. Folder of floor plans sent free upon request. Entire Portfolio of designs sent upon receipt of 50c. Address Indiana Limestone Quarrymen's Association, Box 782, Beaufort, Ind.

Homes of Character

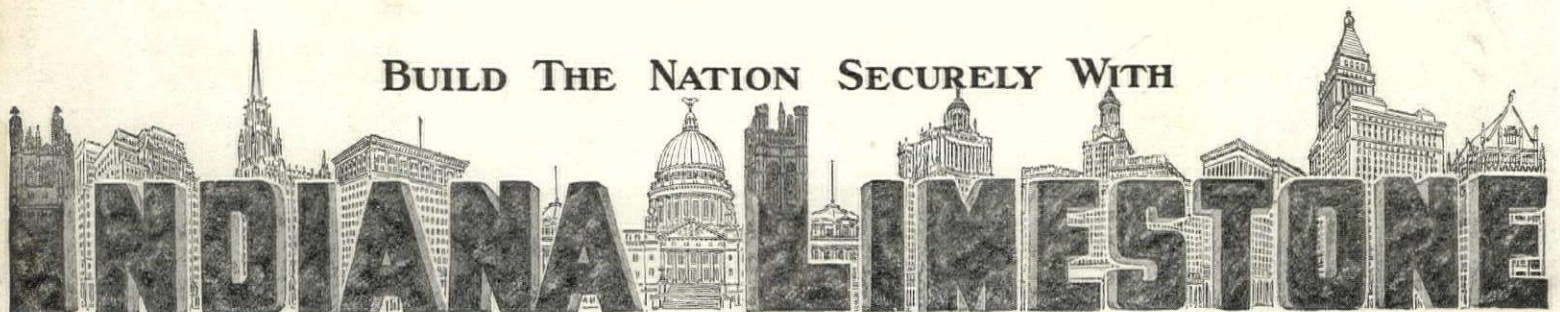
Indiana Limestone homes effectively and practicably combine beauty with utility. They convey to the beholder an undeniable sense of dignity. Everywhere, they dominate their surroundings in a manner characteristic of all works of quality.

Wherever good residential architecture exists, we find Indiana Limestone dwellings standing out as *homes of character*. Such homes possess a freedom from artificiality that is one of the first requirements of good taste, and that can be obtained only by the use of this *natural* stone.

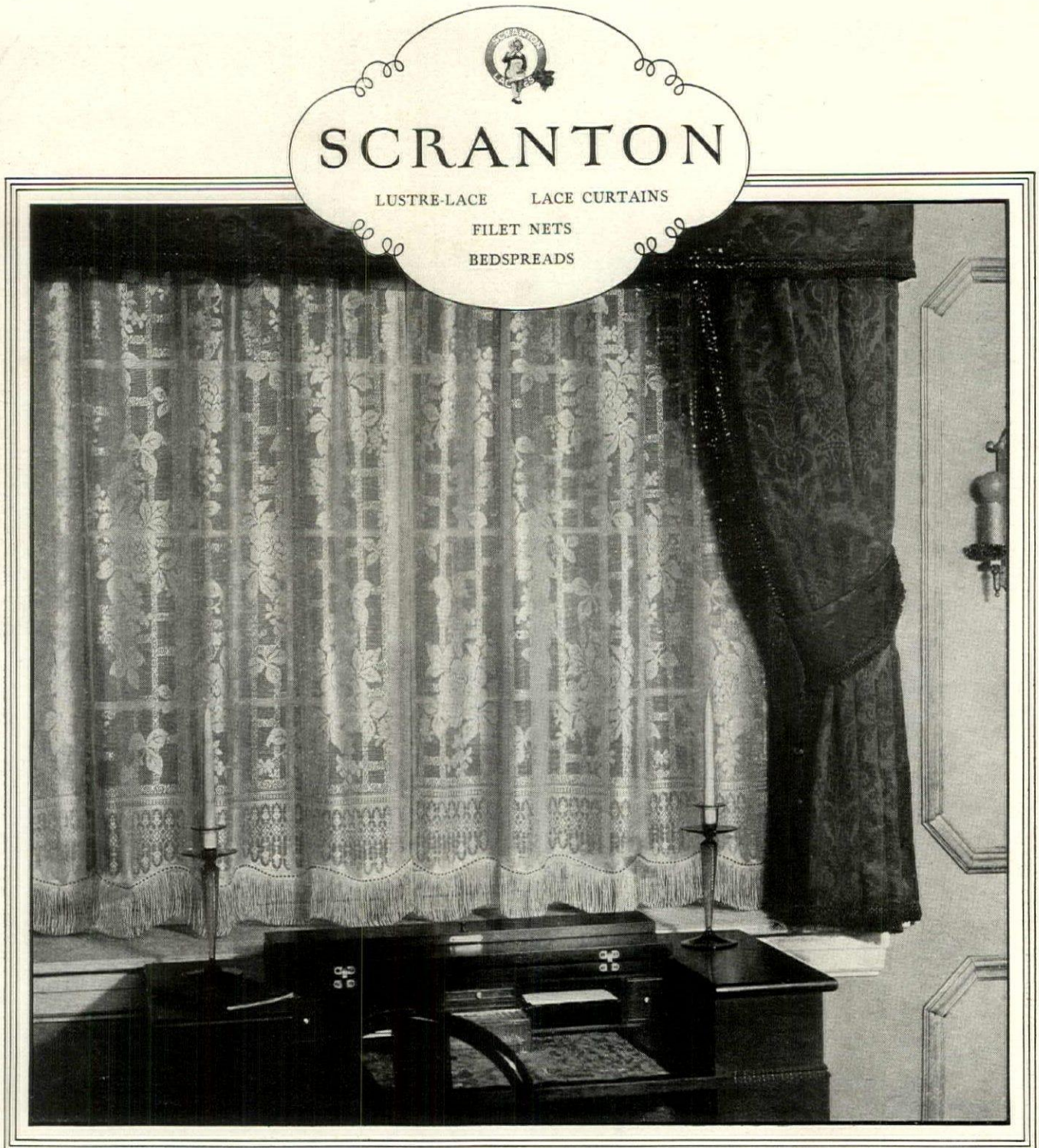
Builders who desire a decidedly superior home, are rapidly appreciating the advantages of stone construction from the standpoint of beauty, durability and economy. The Indiana Limestone industry offers to the building world today a product unequalled among permanent materials.



The Pyramids remain today as permanent evidence that limestone is the world's most enduring building material



The NATION'S BUILDING STONE



SCRANTON

LUSTRE-LACE LACE CURTAINS

FILET NETS

BEDSPREADS

Setting a charming, new fashion in window curtains

LUSTRE-LACE is a creation for those whose preferences are for the distinctive and unusual. It has the delicate beauty of pattern and delightful transparency that are found in lace alone—yet, owing to the weave of gleaming artificial silk, its effect is singularly rich, luxurious and decorative. Lustre-Lace comes in a variety of designs—one of which is the new Lustre-Filet shown—and in the old ivory and deeper tones, which blend so well with any color scheme. It is sunfast and tubfast.

Still other curtains of interest to women planning to dress the windows anew this spring are Filet Nets, Shadow Laces and Novelty Curtains from Scranton

looms. In these, as in Lustre-Lace, only the finest of yarns are used—and in their beauty and perfection is eloquent proof of the artistry and skill of Scranton designers and weavers. When you go to your store to see the Lustre-Lace showing, remember also those windows where you may appropriately use the least expensive of Scranton fabrics.

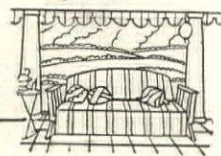
Fill out and mail the coupon to-day for the booklets, "New Outlooks for Every Home" and "Scranton Bedspreads." These illustrate the latest and most desirable decorative effects for almost every type of window and bed. If you have an unusual problem in curtaining, write our Service Department about it.

	<p>THE SCRANTON LACE COMPANY Dept. 8-R, Scranton, Penna.</p>
	<p>Please send me the free booklets, "New Outlooks for Every Home" and "Scranton Bedspreads."</p>
<p>Name.....</p>	<p>Address.....</p>
<p>City.....</p>	<p>.....</p>



SUMMER FURNITURE

for Home and Garden



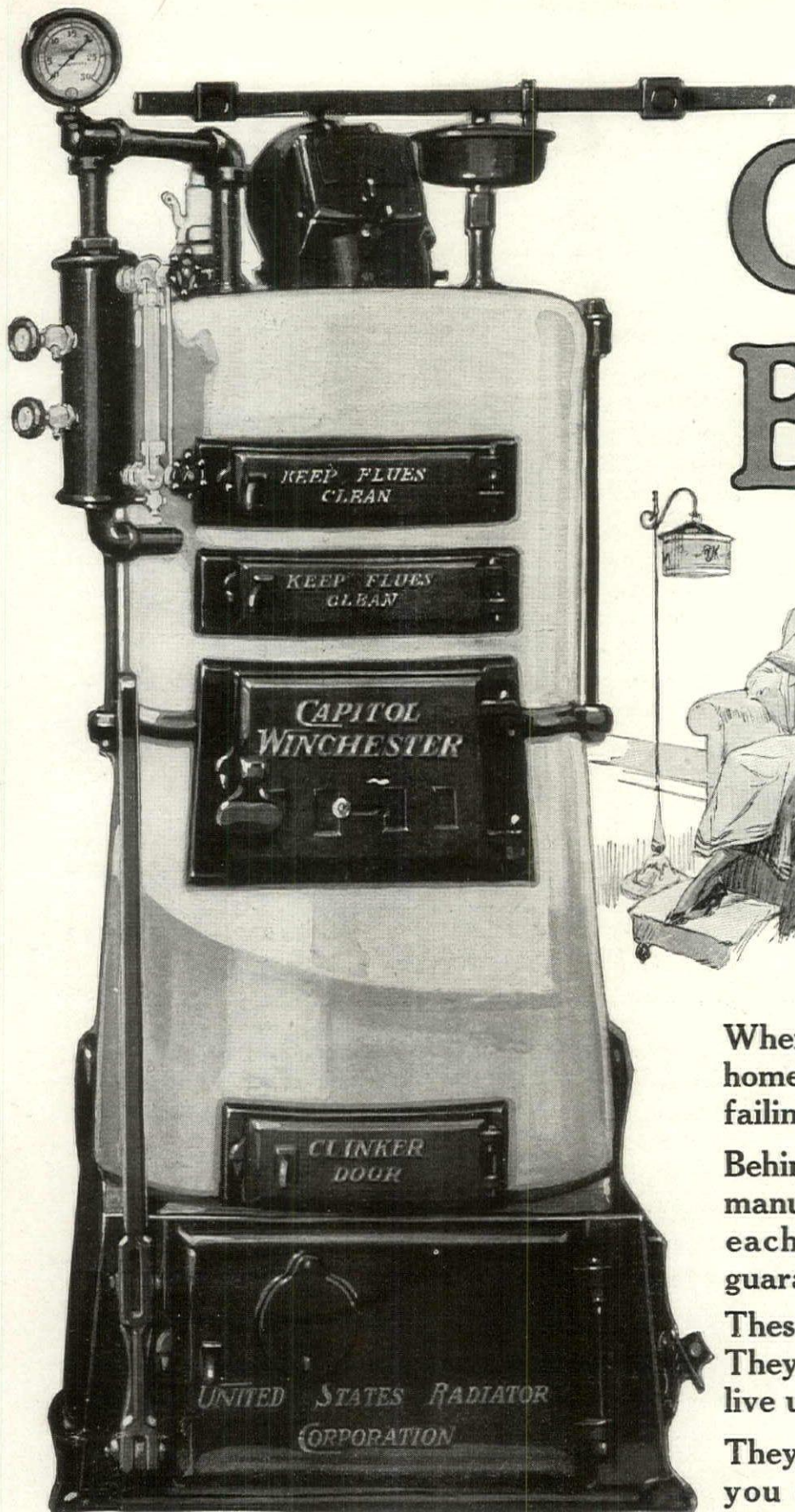
Our collection of summer furniture, designed for the sun parlor and veranda, is especially large. There are distinctive suites and odd pieces in reed, fibre and willow. Attractive, cheerily-colored and surprisingly inexpensive breakfast room suites are included in this Section. Then, too, there are the comfortable hammocks and rustic chairs, which, placed in shady nooks or on green lawns, provide delightful resting-spots. Fanciful bits of iron and stoneware which lend interest and romance to a garden, sturdy chairs of rustic cedar or hickory, brilliant umbrellas for shade in garden or on beach, lovely fountains, bird baths and benches of stoneware—all these important accessories to a restful and beautiful summer home are offered in our groupings for out-of-door enjoyment.

*Our new Gift Shop
abounds in decorative
accessories to bring
Nature's loveliness
indoors. There are
shining flower hold-
ers of translucent or
crystalline glass—
quaint jugs of peasant
pottery and graceful
iron stands for ferns.
Seventh Floor*



R. H. Macy & Co.
34th ST. & BROADWAY Inc. NEW YORK CITY

Capitol Boilers



When you install a Capitol Boiler in your home you can depend upon positive, un-failing heating service.

Behind that trade mark is thirty years of manufacturing experience. And behind each boiler is the broadest written guarantee in the field.

These are elements of fixed responsibility. They assure you that each Capitol *must* live up to an established reputation.

They are final and convincing proofs that you can buy no better boiler than a Capitol. Your Heating Contractor will be glad to confirm this fact.

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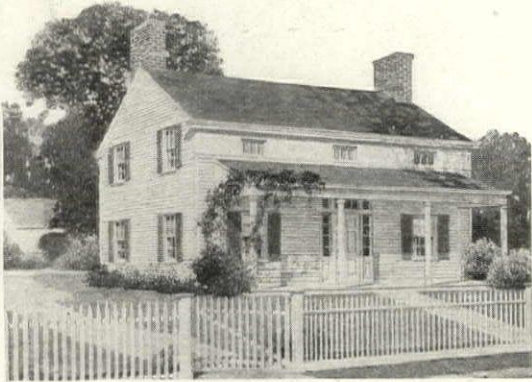
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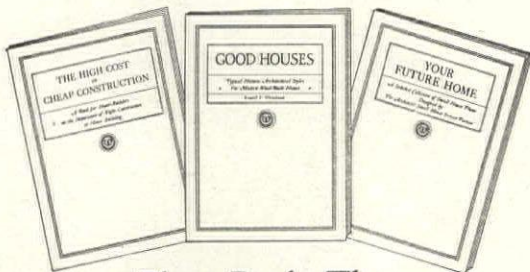
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How to Get an *Honest* House



House of Transition Period

This house is a blending of the Colonial tradition with the Greek forms depicting a style of distinctive simplicity. It is one of the 16 architectural styles illustrated in "Good Houses."



Three Books That Make Home Building Easy

"THE HIGH COST OF CHEAP CONSTRUCTION" is a 68-page book that shows the right way to build a house from the basement up. This construction manual will aid in the selection of a contractor and it will enable the builder intelligently to inspect the work as it progresses. This book is profusely illustrated and written in language that any home-builder can understand. Price, postpaid, 25 cents.

"GOOD HOUSES" is a book for home-builders interested in good design and efficient planning. It illustrates and discusses 16 basic architectural styles which have been developed in America since the days of the Colonies. In fact it is an authoritative history of American house architecture. Sent postpaid for 50 cents.

To the builder of a 3, 4, 5 or 6-room house there is offered by the Architects' Small House Service Bureau, a complete Architectural Service at moderate cost—including working drawings, specifications, quantity surveys, contract forms, etc. This bureau is a national architectural service agency endorsed by the American Institute of Architects and by the U.S. Department of Commerce. A Plan Book, "YOUR FUTURE HOME," containing 69 of the houses on which this service is available, has been published by Weyerhaeuser and will be sent, postpaid, upon receipt of \$1.00.

TWO YEARS AGO a man bought a practically new house in a New York suburb. In the Fall of 1923 he sold it at a loss of \$1200—and felt himself lucky. He could afford the loss. But he couldn't afford the future repair bills.

Today you can duplicate this experience thousands of times over, throughout the nation.

Where is the family head that doesn't dream of the return to honest-built houses—good to own and good to live in?

IT IS plain that the home-people of the country cannot give too much support to the *honorable* contractor. His *moral* relation to your *full dollar's worth* was never so great as now.

As a large organization of experienced lumbermen, Weyerhaeuser urges this—

Go to the contractor who does the first-class job. Remember he makes no more profit for himself than the "low-bid" man. Maybe not as much.

The fine type contractor will tell you there are *no substitutes* for good lumber, skilled construction and faithful workmanship.

This contractor is using more and more lumber of Weyerhaeuser Standard—trade-marked lumber of Weyerhaeuser character. He is in accord with the new Weyerhaeuser book: "The High Cost of Cheap Construction."

Here's a book the cheap contractor doesn't like. It tells too many secrets of right construction. Better still, people can understand it and make comparisons.

The honest contractor likes to have these comparisons brought to light. The skimping contractor does *not*.

GET "The High Cost of Cheap Construction." It is worth any price when you need it, but it will be sent *postpaid* on receipt of only 25 cents.

Then get the services of the legitimate contractor and look up the Weyerhaeuser lumber dealer.

A combination of brains, good faith, experience and character are worth all you pay. The surety of a good house throughout—built safely, soundly and economically with Weyerhaeuser trade-marked, properly seasoned, rightly graded lumber, best suited to local needs.

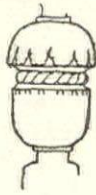
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Producers of Douglas Fir, Pacific Coast Hemlock, Washington Red Cedar and Cedar Shingles on the Pacific Coast; Idaho White Pine, Western Soft Pine, Red Fir and Larch in the Inland Empire; Northern White Pine and Northern Pine in the Lake States



Weyerhaeuser Forest Products are distributed through the established trade channels (to contractors and home-builders through retail lumber yards) by the Weyerhaeuser Sales Company, Spokane, Wash., with branch offices and representatives all over the United States.



*the
Jacobean hall*

The character of the hallway is an introduction to the home. It is the first impression that is given of the character and taste of the occupant. It should be inviting, and so arranged as to fulfill its particular function.

From the many various ways of properly furnishing a hallway, we have selected an arrangement which conveys a formal, strong and friendly atmosphere.

Jacobean or Elizabethan chairs, tables or

occasional pieces are especially appropriate for the hallway, of certain types of homes. This furniture has an unusual beauty, that of dignity and repose. Its construction is elemental and its designs rather massive.

We have on display a large variety of English, French and Italian Furniture of the Sixteenth and Seventeenth Centuries, from which one may select those pieces that are particularly suited to individual requirements.

W. & J. SLOANE

FIFTH AVENUE 47TH STREET, NEW YORK

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101 YEARS OF BRAMBACH QUALITY



The smallest home can now enjoy the superior tonal beauty of a grand

THE BRAMBACH BABY GRAND—a distinct achievement in piano-making; for, with all its delightful tonal qualities, wonderful responsiveness and exquisite design, it requires only the space of an upright piano.

Sold by leading dealers everywhere

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\$ 635 *and up*

A beautiful catalogue and a pattern showing the exact size of the Brambach, will be sent free of charge if you will mail the coupon. You assume no obligation.

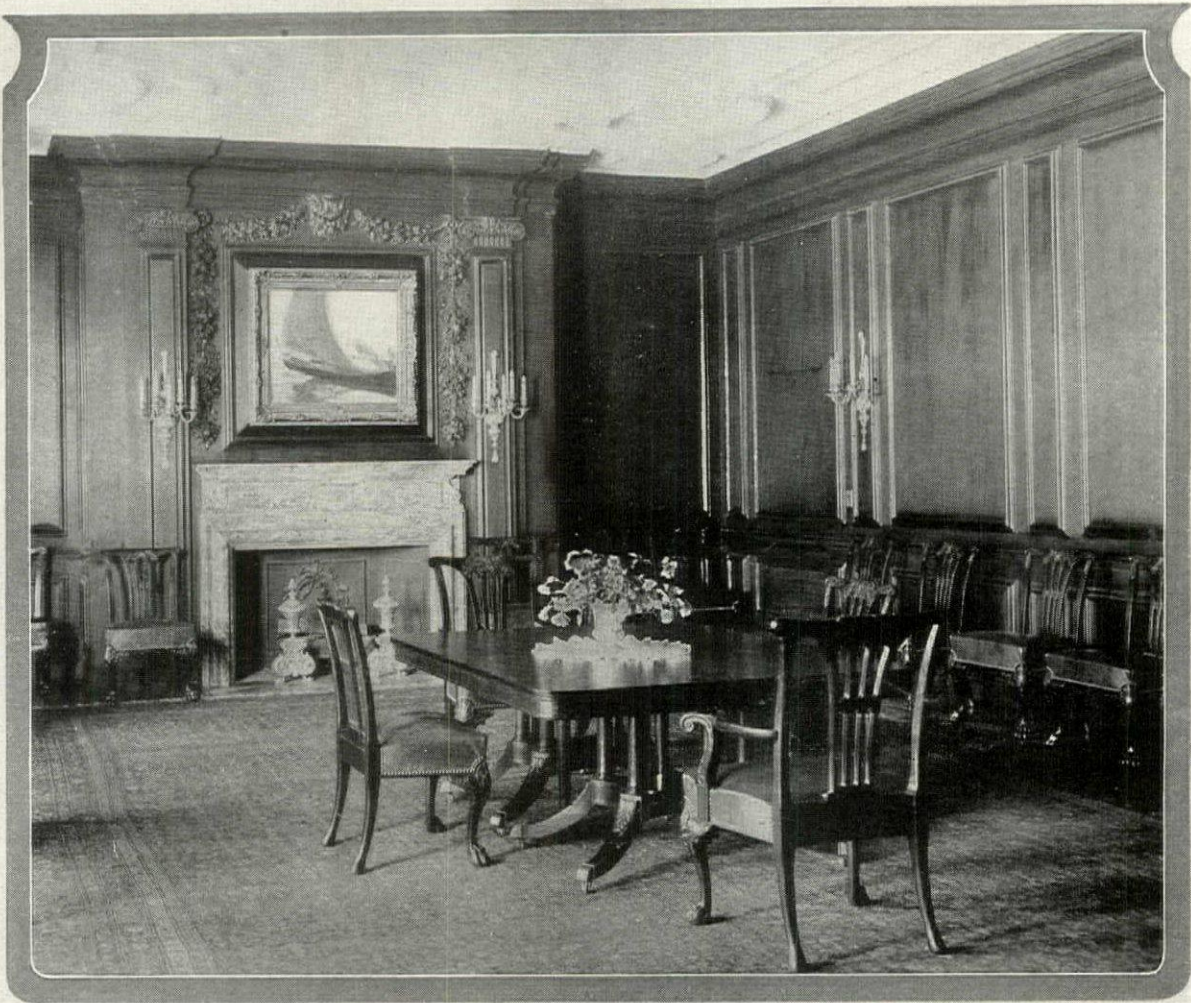
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645 West 49th St., New York City

Please send me paper pattern showing size of the Brambach Baby Grand.

Name.....

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A Dining-room in Figured Mahogany

THE INHERENT BEAUTY and incomparable decorative value of figured Mahogany are here employed, without complicated details, to produce a desired result. A simple finish brings out the favored color tones, permits light to penetrate the surface and assures the development of that rich, mellow beauty that enhances its natural attractiveness as the years pass.

Where, however, carved surfaces and more elaborate details are desired, Mahogany is equally satisfying. In next month's magazines we shall present a dining room where carved Mahogany has been used effectively.

Genuine Mahogany is imported in quantities sufficient to maintain an adequate supply at all times and at a price within the reach of those of even moderate means.

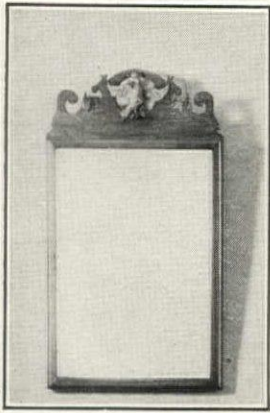
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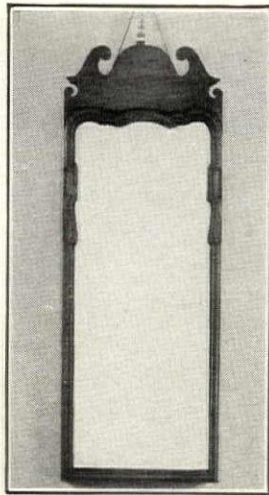
A NATIONAL ORGANIZATION of MAHOGANY PRODUCERS



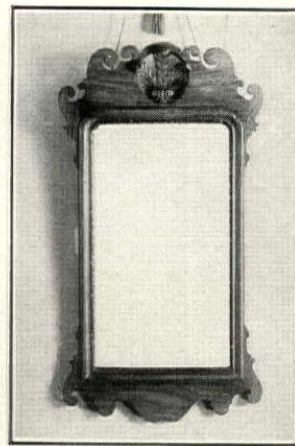
Eagle of Freedom Mirror. Showing the eagle and flame design typical of pre-Revolutionary days.



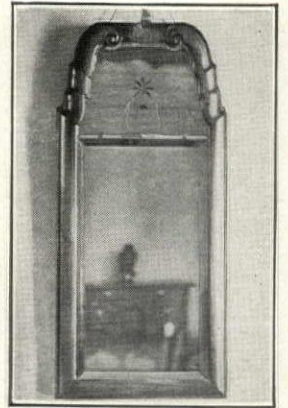
Timothy Ruggles Mirror—named for the owner, who served in the French and Indian War in 1754.



Simple Queen Anne Mirror, earlier in design than the Eagle Mirror. Notice shaped glass.



Prince's Feather Mirror, designed originally for Frederick, Prince of Wales (1707-1751) by Wm. Kent.



Tall Queen Anne Mirror. Period about 1690. The form of the top can be traced in the later mirrors shown.

DANERSK FURNITURE —

Integrity of construction - - sincerity of design

MUCH of interest and historical association can be hidden in the ornament of a mirror frame. Above are five that are associated with the history of our country from its founding through the Revolution.

Each one embodies elements of design that started in the mother country, for inheritance in design is like the blood that flows in our veins. It continues and perseveres in spite of wars and disagreements.

For example, the Tall Queen Anne Mirror has the double glass, etched and shaped in a convention that has far more meaning and interest than the correct cut of a suit of evening dress. We would not violate the conventions of dress at a social function; but the conventions in furniture, even though more important, are violated constantly.

In every phase of decoration there is the necessity of

conforming to certain rules if the result of our effort is to be pleasing and in good form.

This is very much so in furniture, where the plan must be carried through each room, true to tradition in design, with a definite variety of appeal. For instance, whatever the architecture of your home or apartment may be, an Early American room, complete in itself, will bring interest and satisfaction.

One can live a life-time with the genuineness and simplicity of Danersk Early American Furniture, because it is true to the finest traditions of our own country. There are elements of interest and historical association that will enliven many a dull day in years to come.

The only places where you can see a display of Danersk Furniture are listed below. Call without obligation to purchase. Decorators and their clients are always welcome.



A generous bureau characteristic of American usage of Queen Anne design.

Brattleboro Bedroom Group in a combination of walnut and maple with herringbone and ebony inlays. Many of the pieces in this group are inspired from rare originals and can be used appropriately with earliest forms of Highboys.



This dressing table, with its graceful lines, drew its inspiration from a favored Lowboy.

ERSKINE-DANFORTH CORPORATION

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SOHMER



EARLY ENGLISH
MODEL

THE creation of the Period Models of the Sohmer Grand Piano establishes new standards of beauty in home furnishing. The encasement of the piano expresses the individuality and character of the room. The instrument becomes a part of the decorative scheme of the home—assumes its proper place as the finest of fine furniture.

Added to this is the Sohmer tone—famous for more than half a century—warm, brilliant and

colorful, with an irresistible appeal to those who appreciate all that is best in piano tone.

The dual appeal of the Sohmer Period Models—fine pianos that are fine furniture—is the crowning achievement of the Sohmer family who for more than fifty years have constantly improved the Sohmer product until today it stands as the prized possession of those who will be satisfied with nothing less than perfection.

Sohmer Pianos are made in various styles and sizes of Grands, Uprights, Players and Reproducing Players, all of one quality. Uprights from \$700. and upward. Grands \$1250 and upward. Period models in Queen Anne, Italian Renaissance and Jacobean. Monthly terms of payment if desired.

Illustrated Brochure mailed on request.

SOHMER & CO., 31 WEST 57th STREET, NEW YORK

Established 1872

In Grand Rapids as in Venice



CENTURIES ago when haughty Venice ruled the Seven Seas, the fame of her marvelous glass makers was as far-reaching as her own.

To possess an exquisite bit of Venetian glassware was the boast of princes. She was as famed for glass as Damascus for swords or Bagdad for rugs. She had joined that proud roll of cities whose workmen know how to do *one thing* supremely well.

After fifty years of remarkable development, the city of Grand Rapids has won the same enviable distinction in the creation of fine furniture. Her fame is as widespread; her craftsmen as expert; her methods and ideals as uncompromising; her product as trustworthy.

Today, to buy furniture built in Grand Rapids is to follow the safe guidance of established reputation. Your dealer will be glad to show you his Grand Rapids Furniture.

Grand Rapids Furniture

ASSOCIATED FURNITURE MANUFACTURERS OF GRAND RAPIDS, MICHIGAN



Chickens cooked in the Florence are evenly broiled and thoroughly cooked through because the heat in all parts of the oven is uniform.

Is your kitchen as modern as your living-room? Before you answer that question, consider your cook stove

A FEW years ago the kitchen was regarded as a place of drudgery where someone must spend toilsome hours preparing the family meals. But the woman of today insists that her kitchen be as well equipped as any other room in the house. Most important of all is the choice of the stove.

Look closely at this newest Florence Oil Range, the aristocrat of cook stoves. Note the spacious built-in oven, heated by two powerful burners. It has the



**More Heat—
Less Care**

The heat is close up under the cooking and can be easily regulated.

“baker’s arch” of the old Dutch oven and our patented heat spreader, assuring even distribution of heat. The oven will accommodate the largest-sized roasting pan. Any dish you may want to serve at the biggest dinner can be cooked quickly and well on this modern range.

You merely touch a match to the Asbestos Kindler and in a few minutes a blue, gas-like flame rises to the top of the burner. It is not a *wick* flame, such as you see in the ordinary oil lamp. The heat, close up under the cooking, can be regulated to any degree. Surprisingly little heat is absorbed by the metal of the stove or escapes into the room. One burner is small, to give just a simmering heat.

The many refinements of this modern oil range—such as the leveling device for adjusting the stove to an uneven floor, and the metal oil tank with glass bull’s-eye—will appeal to you the minute you see them.

And it is a beauty

The white porcelain enamel is in striking contrast to the jet-black frame, making this modern range a thing of beauty to grace any kitchen. It is built of the finest materials and is staunch and durable.

Florence Oil Ranges are sold at furniture, department, and hardware stores. This newest model is priced at \$110, plus freight from our nearest warehousing point. Other models—large and small—with portable ovens are available at various prices. If your dealer has not yet received this new Florence, write to us and we will see that you are supplied.

This booklet should interest you

The story of the modern oil range is told in our free booklet, “Get Rid of the ‘Cook Look’.” Send us your name and address so that we can mail you a copy.


Florence Stove Co., Dept. 545, Gardner, Mass.
Makers of Florence Oil Ranges, Florence Ovens, Florence Water Heaters and Florence Oil Heaters
Made and Sold in Canada by McClary’s, London, Canada



The Florence Leveler

This ingenious device attached to each leg of the stove adjusts it to an uneven floor.

FLORENCE OIL RANGE

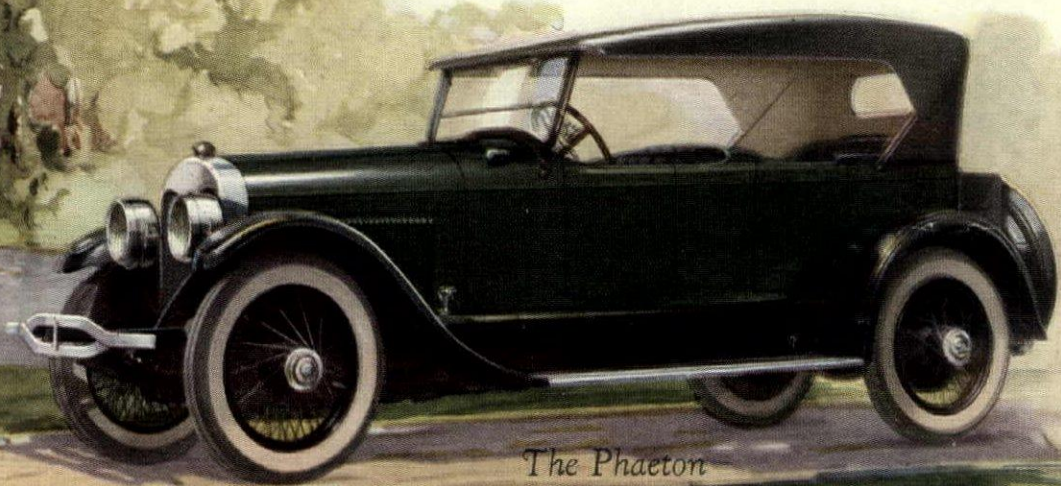


THE LINCOLN HAS WON
NATION-WIDE ACCEPTANCE

IN ALL parts of the country, the Lincoln is known as a fast, easy-riding, smooth-running, and long-lived car. Its beauty is admired, its abilities respected. Through brilliant qualities of performance and soundness of construction, it has definitely established itself in the good opinion of the nation as a car of outstanding and enduring worth.

See any Lincoln Dealer

LINCOLN MOTOR COMPANY
DIVISION OF FORD MOTOR COMPANY, DETROIT, MICH.



The Phaeton

LINCOLN



Spreads and Draperies which harmonize

NOW that matching and harmonizing draperies have been added to the lovely array of Novelite Spreads, one may draw the room into one blend of color, fabric and design.

The Spread illustrated is one of a charming variety. There are spreads with tufted patches, eloquent of Grandma's day; quaint basket weaves in block design; light piqué patterns and others.

The frequent changes of linen so refreshing in summer are no problem with Novelites. They are easily and quickly washed—some of them require no pressing.

You will find Novelite Spreads and Drapes in the better shops priced from \$4.00 up for the spreads and from \$1.00 per yard for the drapery fabrics. Fill in the coupon below.

For Home Embroiderers: There are Novelite Bedspreads you may embroider yourself. A book of instructions by Frances A. Harris and samples of fabric will be mailed on receipt of 10c.

NOVELITE
REG. U.S. PAT. OFF.
SPREADS
 MARGRACE MILLS, INC.

A. W. BAYLIS CO., Selling Agents, Dept. H., 66-72 Leonard Street, New York, N. Y.

One of the newest Novelite Spreads of rich Studio Cloth, an artistic and original spread fabric, and overdrapes of the same material. The casement curtains are of a fine laciness, a lustrous foil for the sunlight.

Novelite Spreads come in rose, blue, gold, ecru or white, all wanted styles and sizes; draperies to match and harmonize.

Mail coupon today, naming your favorite store, for "Bedroom Interiors" (a book of decorative schemes) and samples of fabrics.

A. W. BAYLIS CO., 66 Leonard St., New York
 Check in square H

- Send me free, booklet "Bedroom Interiors".
- I enclose 10 cents for "Novel Embroidery Designs for Novelite Spreads".

(You may have both books if you enclose 10 cents and check both squares.)

My favorite store is

My name

Address

City..... State.....



KARNAK RUGS give to the home an atmosphere which suggests pride of possession and the utmost care in the selection of its furnishings.

They embody every desirable rug attribute—beauty of pattern, harmony of coloring, and long wearing life.

Karnak designs are faithful reproductions of the most beautiful Orientals of antiquity.

See them at the better stores

Look for the woven Karnak name and the black and gold silk guarantee label on the back of the rug.

Write for booklet containing suggestions for beautifying the home. Illustrated with color photographs of interiors and full color reproductions of Karnak Rugs.

MOHAWK CARPET MILLS, INC.

Manufacturers of Roslyn, Glendale and highest quality Chenille carpets and rugs

W. & J. SLOANE, *Selling Agents*

569 FIFTH AVENUE, NEW YORK CITY

KARNAK
RUGS

*The aristocrat
of American Wiltons*



PRIDE OF CLEANLINESS

The modern bathroom is one of Youth's great teachers. Softly gleaming snowy fixtures, spotless tiling, and shining mirrors are pages in a textbook which teaches the lifelong lesson of pride of cleanliness.

With old and young alike there is an almost instinctive appreciation of the moral importance of the bathroom. And there is a universal desire for finer bathrooms and for enough bathrooms for all the household. To satisfy that desire many people turn naturally to Kohler Enameled Plumbing Ware. They know,

when they see the Kohler name peering out from beneath the snowy enamel of a Kohler "Viceroy" built-in bath or a Kohler lavatory, that they are looking at the best that can be made.

There are good plumbing dealers in every city who can tell you all about the good products of the half-century-old institution, Kohler of Kohler. And they will tell you what you will not be displeased to learn—that Kohler Ware is not more expensive than any other ware that you would care to own. May we send you the Kohler booklet?

KOHLER OF KOHLER

Kohler Co., *Founded 1873*, Kohler, Wis. *Shipping Point*, Sheboygan, Wis.
BRANCHES IN PRINCIPAL CITIES

MANUFACTURERS OF ENAMELED PLUMBING WARE AND KOHLER AUTOMATIC POWER AND LIGHT 110 VOLT D. C.

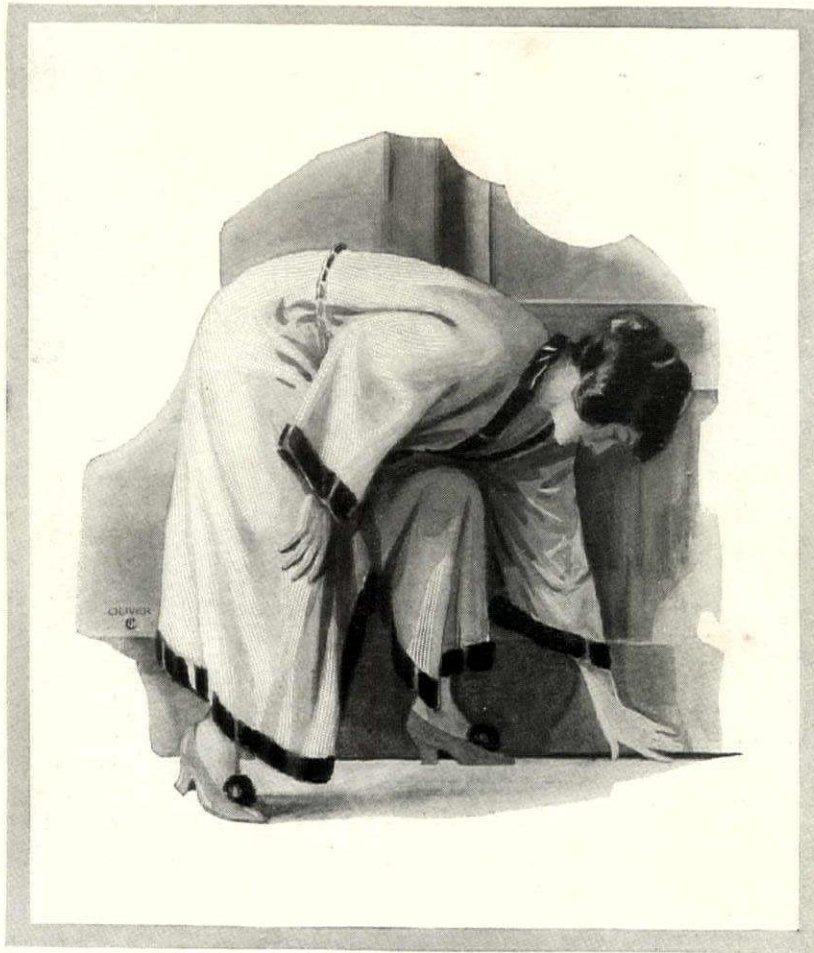
Sleep in a Healthful Airy Room and Keep the Remainder of the House Warm all Hours of the Day and Night

Chamberlin Inside Door Bottoms Prevent Drafts

Try This Experiment

Open your bedroom windows. Close the door, then place your hand at the crack between the bottom of the door and floor. Note the draft of cold air which rushes through the crack into the hall.

Try this at the attic and basement as well. There will be a draft at each. It goes on all night from bedrooms, constantly from the basement, while warm air escapes to the unused attic. That is why bath and breakfast rooms are almost always cold in the morning. And that explains why the temperature remains too far below normal until 10 or 11 o'clock every day during the winter.



Try This Tomorrow

Detroit, makers of Chamberlin Weather Strips. When installed they are guaranteed for the life of the building.

We gladly furnish free estimates covering the cost of installing weather strips or inside door bottoms or both in your home. Simply mail the coupon. It costs nothing to learn how low the price of early morning comfort and coal saving.



No Fuss or Muss

Women and Children Suffer Most

Men don't notice this much. They are away usually in a rush. But women and children do. They contract colds—suffer uselessly.

Inside Door Bottoms End All This

Send the coupon below or write us for an estimate on the cost of equipping your home with inside door bottoms. They seal bedrooms, attics and basements. They are guaranteed to prevent the escape of cold air, dust

and dirt from basements—steam from laundries. They are inexpensive. They operate automatically, are invisible. Do not interfere with rugs or carpets.

Chamberlin Inside Door Bottoms are manufactured and installed by the Chamberlin Weather Strip Co. of

Chamberlin maintains a nation-wide service organization. Chamberlin experts, trained to do their work perfectly—plan, fit, and install all Chamberlin metal weather strips. The work is quick and clean and is done without disturbance to the household.

It is highly specialized work. Special tools are required. Even the best mechanics or carpenters not trained in this specialty cannot make a proper installation.

Because we know Chamberlin installations are made properly we guarantee them for the life of the building

CHAMBERLIN

Metal Weather Strips

Chamberlin Metal Weather Strips are used in most weather stripped buildings, including homes, banks, schools, office buildings, churches, stores, hotels and apartments.

Don't hesitate to ask for an estimate. The figures submitted will be definite and accurate because they are compiled by men who know every detail of this business.

Chamberlin Metal Weather Strip Company, Detroit, Michigan

Chamberlin Metal Weather Strip Co., Detroit, Mich.

I would like an estimate covering the cost of installing (check which)

Chamberlin Inside Door Bottoms—
Chamberlin Metal Weather Strips—In my home — Office Building — Church — Number of Windows—Number of Doors—

Name

Address

City and State

Eng. Dept. F-18

PLATE GLASS PROTECTS *the* TABLE *and* DRESSER TOPS *in* AMERICA'S MOST BEAUTIFUL INTERIORS

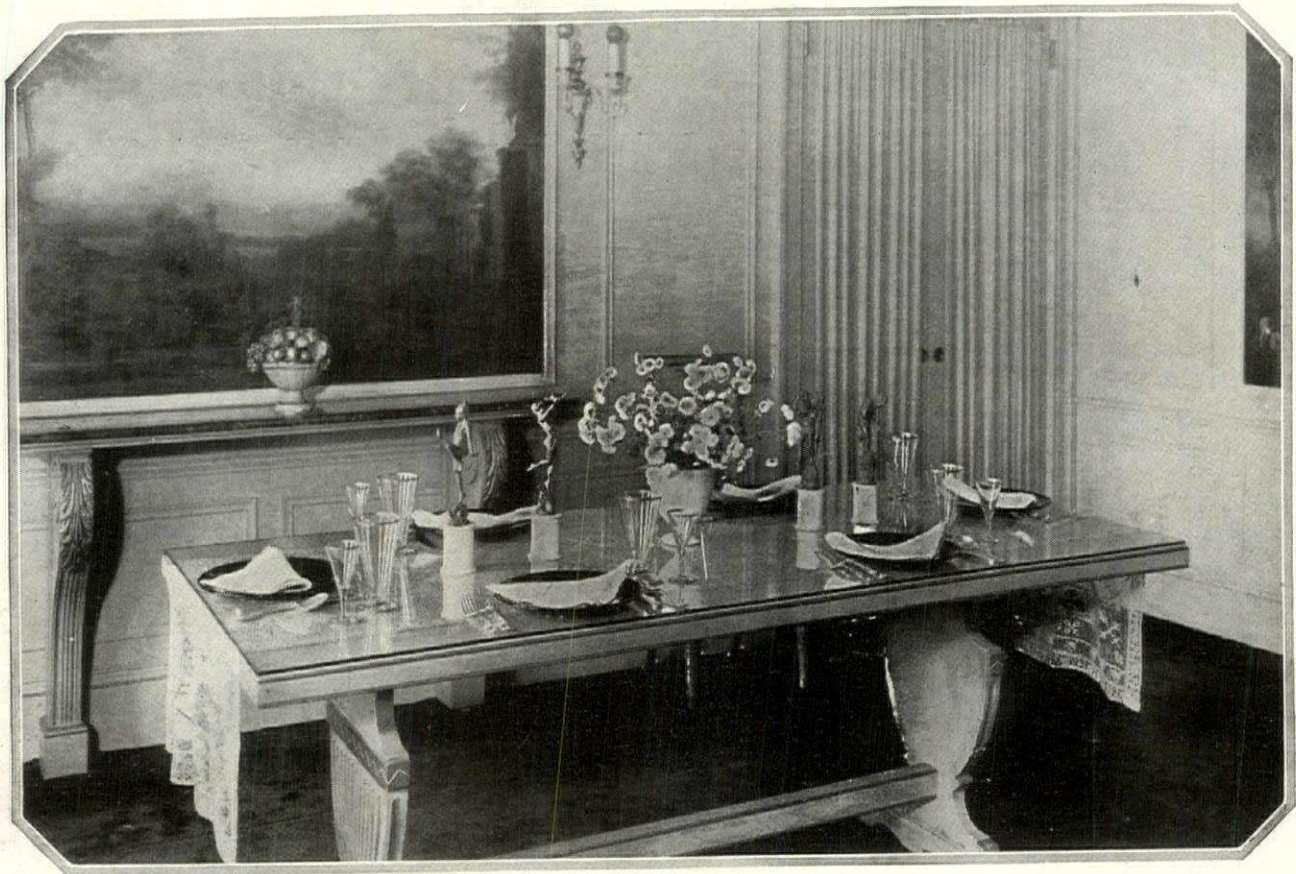


Photo by M. E. Hewitt

A Plate Glass top is especially necessary and attractive when table runners or luncheon sets are used.

AFTER all, a beautifully finished table is no more handsome than its top. Preserve its top from the disfiguring mars and scars of every-day usage, and you save the table.

Interior decorators have discovered that Plate Glass makes not only a perfect protective surface, but a handsome one as well. It protects without hiding the beautifully polished or decorated surface of the wood. Not only does it reveal the handsome grain or painted design, but adds, as well, to its beauty.

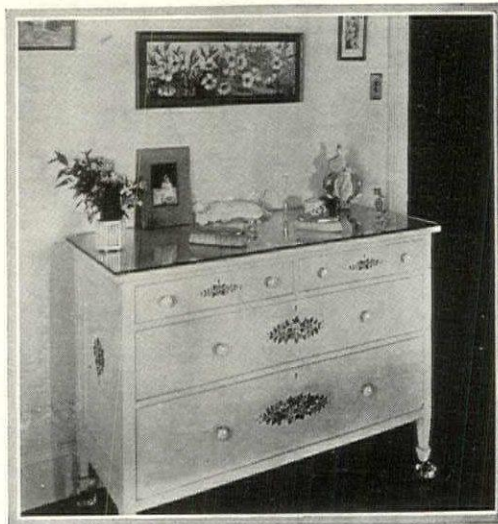


Photo by Mary H. Northend

Some of America's foremost interior decorators are using Plate Glass more and more for table and dresser tops, wide windowsills, and wherever a broad level surface presents itself. On dining tables it protects the varnish from hot plates and liquids accidentally spilled. On library tables and desks it saves the top from the hard usage these articles of

(ABOVE) *A hand-painted chest of drawers needs the protection of a Plate Glass top.*

(LEFT) *Plate Glass on the dressing table is essential.*

(RIGHT) *A table cloth is seldom used in the breakfast room. Here a Plate Glass top is particularly useful.*

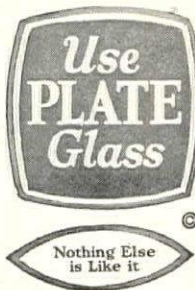


PLATE GLASS MANUFACTURERS of AMERICA

furniture usually get. On console tables and such surfaces as do not ordinarily get hard usage, Plate Glass adds to the table's beauty.

Plate Glass is particularly effective on dresser tops, where perfumes, toilet waters and cosmetics are kept. These articles contain alcohol, which is ruinous to varnish or paint. Just the slightest bit of alcohol will leave an ugly ring or mark.

Fortunately, Plate Glass is not expensive. It can be obtained from any hardware or glass dealer, cut to size, with edges smoothed.

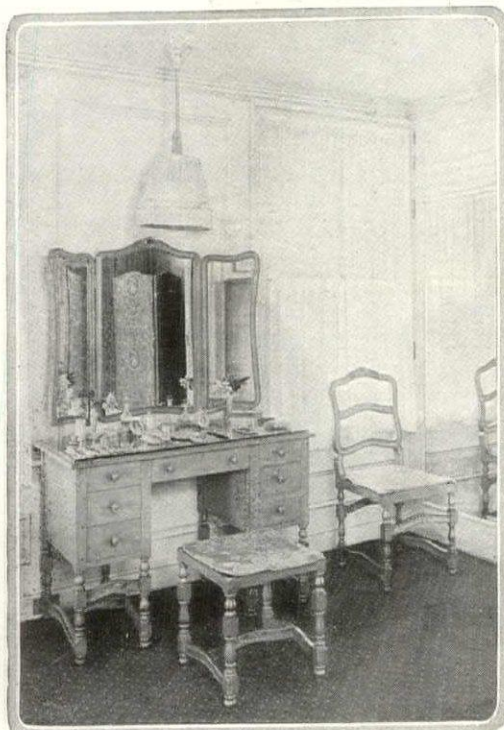


Photo by Mary H. Northend

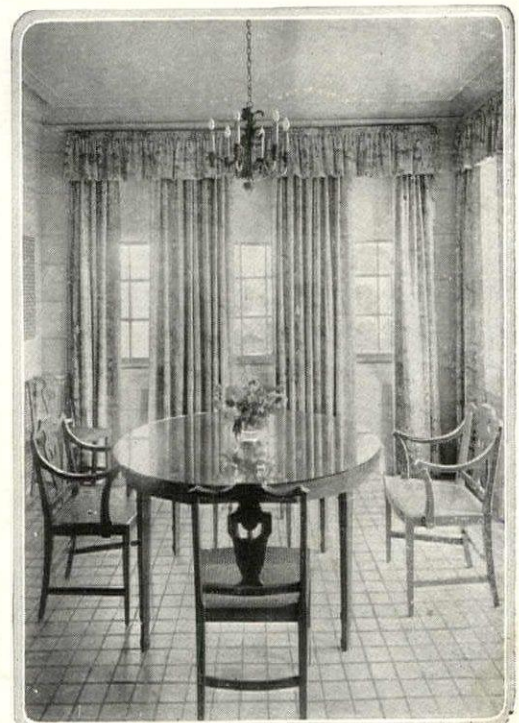
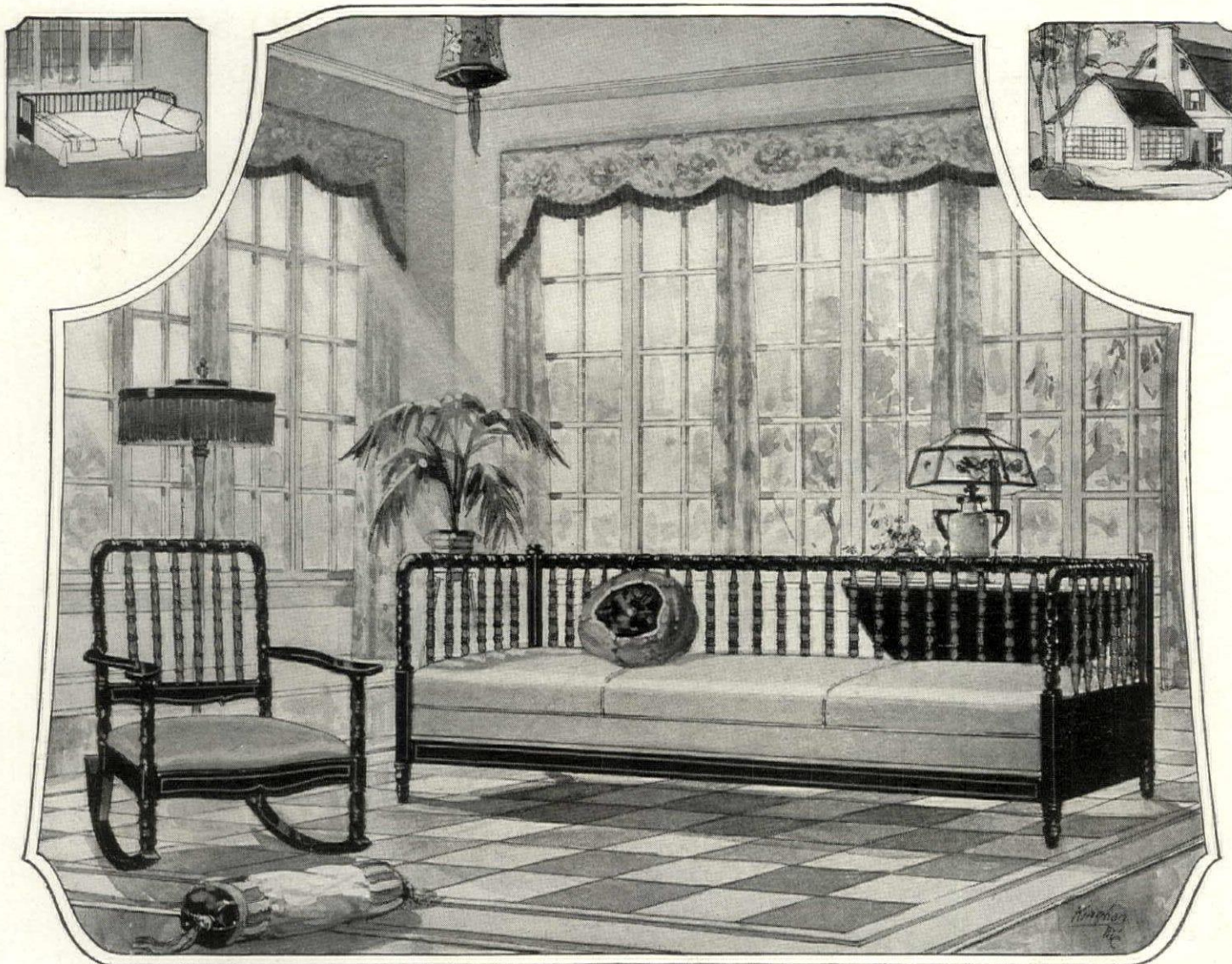


Photo by Mary H. Northend



Suite No. 2626

APPROPRIATE FURNISHINGS

A PULLMAN SUITE

A Pullman davenport-bed suite in your living room is a reflection of individuality and good taste in the selection of home furnishings. And, equally important—the Pullman-equipped living room will conform with every desire for *permanent comfort*. All that is necessary to convert the Pullman davenport into a full-size bed is one simple operation. Thus a sleeping surface, equivalent in restfulness to any good bed, is instantly provided. Pullmans, in all period designs and finishes, with chairs, rockers or wing chairs to match, are now accepted as the most attractive and practical furniture for the modern living room. Your local furniture dealer will be pleased to show you the many Pullman models.

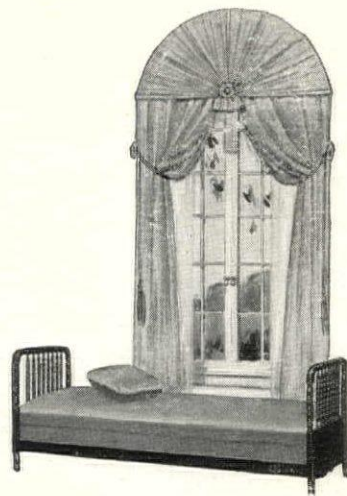
Upon request we will send you an interesting brochure on interior decorating

PULLMAN COUCH COMPANY



CHICAGO

ILLINOIS



Pullman day-bed (No. 4246 equipped with bed fixture) illustrated above, conforms in design to the davenport-bed suite shown in larger illustration. You may select either day-bed or davenport-bed with chair and rocker to match. Or, the entire group of four pieces solves the problem of outfitting both the living room and sun parlor.

P U L L M A N

“THE DAVENPORT-BED”



Cozy Warmth —always

It's always summertime INDOORS—

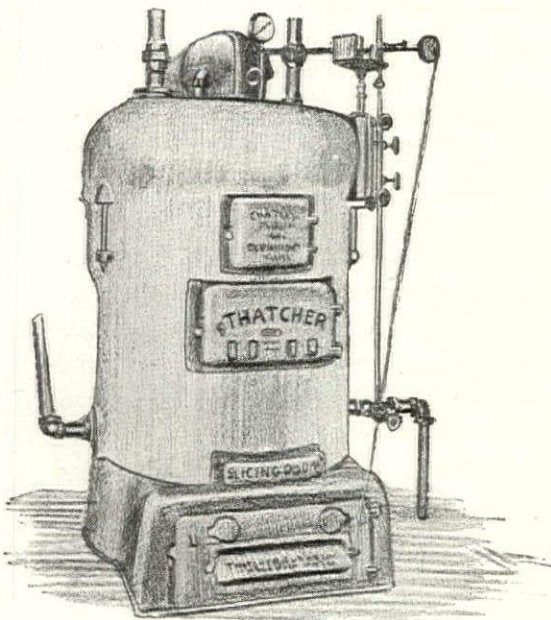
the comforting warmth of a delightful summer day *in deepest winter*—

when there is a Thatcher Heater on duty in the cellar.

Adequate heat, under easy control, contributes more to winter comfort than anything else.

—and because of 74 years of manufacturing experience, many features in construction have been developed so that Thatcher owners may enjoy the smallest possible coal bills.

Interesting booklet free on request.



This Thatcher Round Boiler for steam and hot water heat, is adapted for the type and size of residence illustrated above. For larger buildings, Thatcher Sectional Boilers are recommended. There is also a complete line of Thatcher Warm Air Furnaces including the Celebrated Thatcher Tubular, for residence heating, and new models in Thatcher Kitchen Ranges with porcelain enamel finish.

THATCHER FURNACE COMPANY

Makers of GOOD Heaters and Ranges Since 1850

New York
133-135 West 35th Street

General Offices: Newark, N. J.
St. Francis and George Streets

Chicago
341 N. Clark Street

THATCHER

HEATERS *and* RANGES

From Year-Long Summer to Winter-Long Cold



Sheetrock is the fireproof wallboard. It makes standard walls and ceilings at low cost.

Made from gypsum rock, it has all the lasting virtues of the material that has been used for centuries in building the finest walls and ceilings.

It will not warp, shrink or buckle. It will not pull away from the supports. It is a natural insulator against summer's heat and winter's cold. It will not burn, ignite, or transmit heat.

It saws and nails like lumber. It comes precast and all ready for use. It is made in broad, ceiling-high sheets, 3/8-inch thick, with a patented edge that insures solid, tight-jointed and smooth-surfaced walls and ceilings.

Sheetrock is erected easily and quickly. Simply nail it to the joists or studding.

Sheetrock takes any decoration perfectly—wall paper, paint or panels. It costs nothing for upkeep.

Use Sheetrock in new construction, alterations and repairs. You will be satisfied with its results and its economy.

BROWNSVILLE, Texas, holds down the tip of Uncle Sam's southern boundary, and there in summer the subtropical sun gets quite a bit hotter than warm. At the other extreme is Froid, in Montana, with the Canadian line for a windbreak—and "Froid" is the French for "cold." In both Brownsville and Froid the builders make walls and ceilings of Sheetrock, the *fireproof* wallboard. For the same natural insulating properties that keep Brownsville buildings cool when they are lined with Sheetrock, keep the homes in Froid secure and warm against the wintry blasts. Sheetrock makes a solid, protecting wall, a barrier to both heat and cold. It makes *permanent* walls and ceilings at low cost. Your dealer in lumber or builders' supplies sells Sheetrock. Our free illustrated booklet, "Walls of Worth," describes its many uses in new construction, alterations and repairs. Write us for a copy and a sample.

UNITED STATES GYPSUM COMPANY, *General Offices*: 207 West Monroe St., Chicago
World's Largest Producers of Gypsum Products

SHEETROCK

The **FIREPROOF** WALLBOARD

Reg. U. S. Pat. Off.

Sheetrock is inspected and approved by the Underwriters' Laboratories, Inc.

ANACONDA BRASS PIPE



The water your children drink

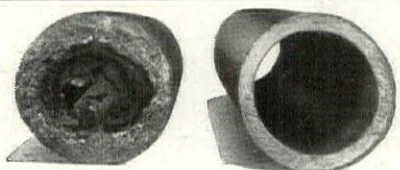
The water they drink. The water they bathe in. Water for cooking—it must be clean and pure to insure good health.

Most cities spend thousands of dollars annually to purify water. Is it just as pure when it flows from the tap? With Anaconda Brass Pipe—yes. With corrodible pipe—just turn a tap and see!

Rust discolors water, making it unpleasant and uninviting. Anaconda Brass Pipe cannot rust and will deliver a full flow of clear water as pure as at its source. It will remain—a hidden protector of your family's health and comfort—as long as your house stands.

Yet Anaconda Brass Pipe adds only about \$75.00 to the cost of a \$15,000 residence.

The booklet "Ten Years Hence" contains complete information on the advantages of Anaconda Brass Pipe. May we send you a copy?



Galvanized Iron Pipe Anaconda Brass Pipe
after four years of service

The two pieces of pipe illustrated were cut from cold water service lines installed side by side, in August, 1918, and photographed in April, 1922. After only four years the iron pipe is almost entirely clogged with rust and the outside surface is badly pitted. The Anaconda Brass Pipe is in excellent condition and will be for years to come.

THE AMERICAN BRASS COMPANY

GENERAL OFFICES: WATERBURY, CONNECTICUT

New York, Chicago
Boston, Philadelphia, Providence
Pittsburgh, Cleveland, Detroit
Cincinnati, St. Louis, San Francisco



Mills and Factories:
Ansonia, Conn., Torrington, Conn.
Waterbury, Conn., Buffalo, N. Y.
Hastings-on-Hudson, N.Y., Kenosha, Wis.

In Canada: ANACONDA AMERICAN BRASS LIMITED, NEW TORONTO, ONTARIO

Saving \$126—and building a better home

An advertisement based * * * * *

* * * on the personal experience of
★ E. E. BRINK, Contractor, KANKAKEE, ILL.
[As reported to the H. P. Gould Company, Engineers]



The hope of every home-builder is to have maximum comfort and durability in the new home at minimum cost. To spend too much is extravagance. To cheapen construction and lessen investment value is false economy.

The vital need—a sturdy structure built without waste in expenditure—is usually the result of three factors: A reputable architect and contractor, dependable material and skilled workmanship.

No one knows better than the reputable contractor the necessity and economy of dependable lumber. The experience of E. E. Brink, a contractor for nearly a quarter of a century at Kankakee, Ill., is a valuable guide.

“The chief material used in any home is lumber,” Mr. Brink says. “To a contractor, the difference between good, high grade lumber and an inferior grade means the difference between a good and bad reputation.

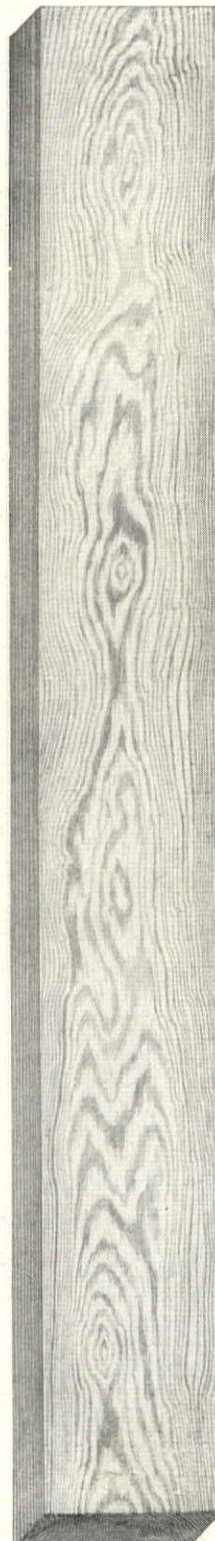
“I am firmly sold on Long-Bell lumber, as it is and does everything that a contractor requires of good lumber.

“It effects a positive saving, both in the elimination of waste and in reduced carpenters’ time. This is due to its uniform quality, as it all comes cut full length, with ends squarely trimmed, and uniformly graded, so that a minimum of sorting and finishing on the job is required.

“On twelve recent jobs, the average value was \$8,000. I figure that I saved 140 hours of carpenter labor on the average”—or, at Mr. Brink’s figures, a saving of \$126 in carpenter labor on each house.

“The saving to the home owner through the use of Long-Bell lumber is readily apparent, as greater permanence is assured.

“My experience with Long-Bell lumber has proved its superiority—not only to me, but also to my clients and to other local contractors. I prefer it and specify it on all jobs. *It is standard with me.*”



A page from ★ Mr. Brink’s experience

Savings due to Long-Bell lumber:
(Based on a house costing \$8,000.)

Carpenter labor on ordinary lumber, 2,040 hours at 90c per hour	\$1,836.00
Carpenter labor on Long-Bell lumber, 1,900 hours at 90c per hour	1,710.00
Saving in labor on one house	\$ 126.00

Savings possible to the user of Long-Bell lumber concern three phases of home-building and ownership—the reasonable cost of putting this lumber into construction, minimizing the cost of repairs, and reducing depreciation to a minimum. Mr. Brink’s own opinion, as expressed in his statement, is that the home-builder will find definite economy along these lines in the use of Long-Bell lumber. Figures which Mr. Brink uses to illustrate these facts are given in the pamphlet referred to in the coupon below.

LONG-BELL

KNOW THE LUMBER YOU BUY

★ Send for the whole story

Read Mr. Brink’s experiences in the pamphlet which will be sent you without obligation.

NAME _____

ADDRESS _____

CITY _____

THE LONG-BELL LUMBER COMPANY
Lumbermen since 1875
610 R. A. LONG BLDG. KANSAS CITY, MO.



LONG-BELL LUMBER IS TRADE-MARKED ON THE END OF THE PIECE



Residence of S. S. Beman, Architect, Winnetka, Ill. Etching by Char. L. Morgan. Celotex was used for insulation and sheathing under the stone exterior and for insulation on the under side of the rafters.

Comfort demands Celotex Economy recommends it

If you attain your ideal of home comfort you must insulate the walls and roof of your home. Celotex insulates against both heat and cold.

In summer, Celotex keeps the heat out and your home will retain its night-time coolness.

In winter, Celotex keeps the cold out and enables you to live in a comfortable house at a fourth to a third less than the usual cost for fuel.

A Celotex house is free from damp and from drafts that you often notice near door and window casings.

A Celotex house is not only comfortable, healthful and economical to heat—it is economical in construction.

Celotex replaces other materials. It replaces wood sheathing, other insulation and weather proofing in exterior walls. It replaces lath as a base for plaster. Generally, Celotex construction costs less than other methods and always gives more satisfaction.

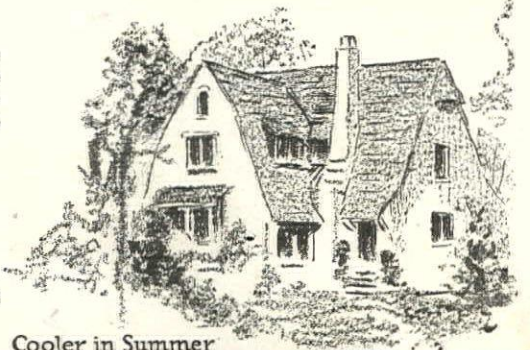
See your lumber dealer and write us for 32-page booklet, in colors, describing Celotex. It's free. Address Dept. W-4, The Celotex Company, 645 N. Michigan Ave., Chicago, Ill. Canadian Representatives—B. & S. H. Thompson & Co., Ltd., Montreal and Toronto.

CELOTEX

INSULATING LUMBER

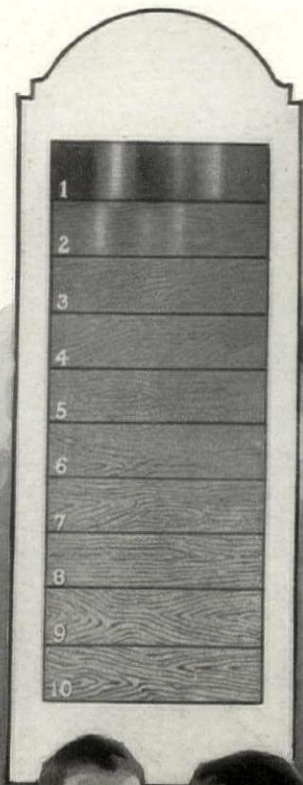


Warmer in Winter



Cooler in Summer

THERE IS A USE FOR CELOTEX IN EVERY BUILDING



"Save the surface and you save all" — *Arch. W. Schmidt*

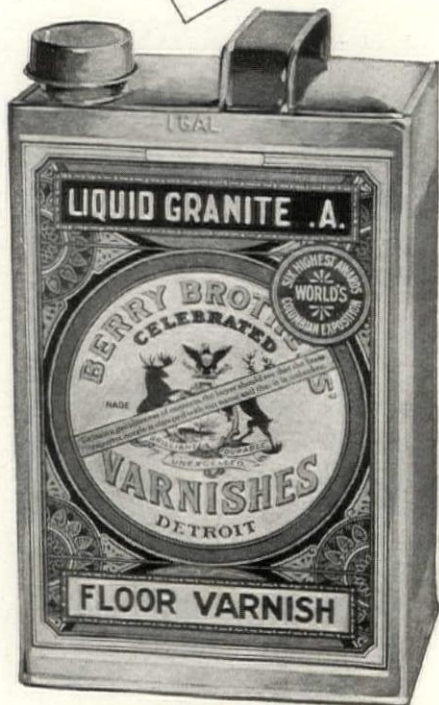
Great University Proves Liquid Granite Wears Best

Liquid Granite is more than waterproof . . . it wears! Of all floor varnishes made, it is the most durable.

One of America's greatest universities has proved this by conducting a "million-step" test. Separate strips of flooring in one of the institution's main hallways were finished with samples of varnish supplied by 10 different manufacturers. The panels were secretly numbered and for weeks subjected to the punishment of tramping feet.

Finally the factory representatives who had supervised the varnishing were called in as judges to decide which of the 10 strips of flooring was in the best condition. Ten votes were cast for panel No. 1. Only three of the experts even indicated a second choice.

Panel No. 1 was finished with Liquid Granite . . . the most durable and wear-resisting of all floor varnishes. For floors of enduring beauty you too should use Liquid Granite. It has no equal.

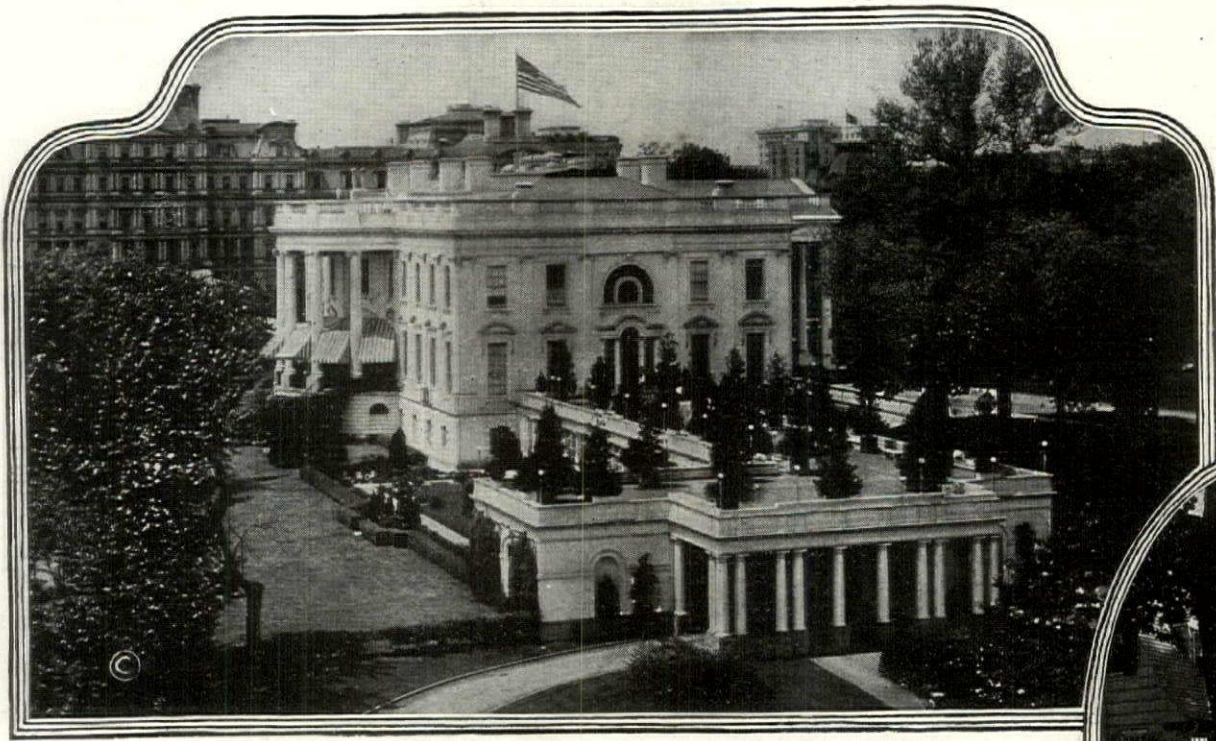


BERRY BROTHERS INC.
Varnishes Enamels Stains
Detroit, Mich. Walkerville, Ont.



Liquid Granite

FLOOR VARNISH OF DISTINCTION



THE WHITE HOUSE

A LONG ISLAND
RESIDENCE

“Uncle Sam—Landlord” *Provides COPPER Screens*

Uncle Sam is proud of the White House—the finest residential property that he owns.

He built it with great regard for beauty, comfort and permanence.

Protecting the house that Uncle Sam built are sturdy Copper insect screens. They fit in with his specifications—beauty, comfort and permanence.

Copper and Bronze (bronze is 90% copper) are Everlasting screening materials. They do not rust and break. They contribute to the beauty and give the full protection that makes

for comfort in any home—be it Executive Mansion or private residence.

Requiring no painting, patching or replacing, and costing little more originally than steel or iron-wire screens, Copper and Bronze are the cheapest as well as the best screens.

Brass and Bronze hardware also contributes to the beauty and permanence of the home. Its cost is only slightly above that of plated imitations which soon corrode and mar the beauty of interior detail with rust-streaks, pockmarks and blotches.

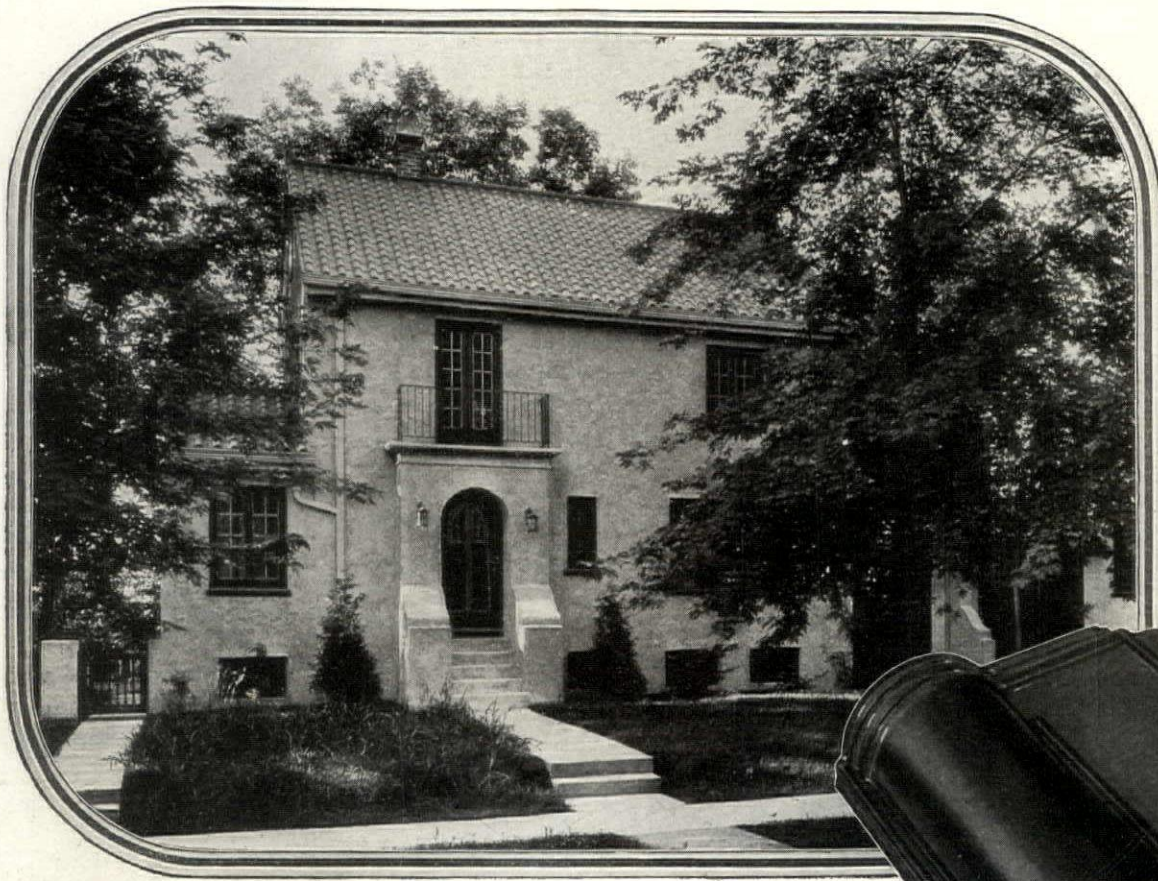
*Copper, Brass and Bronze are cheaper because
you pay for them only ONCE.*

COPPER & BRASS

RESEARCH ASSOCIATION

25 Broadway - New York

Write for free literature on Copper and Bronze Insect Screen Cloth and Brass and Bronze Hardware.



Residence—Whitefish Bay, Wis.
 Architect—Mr. Frank Ludwig
 Roof—Milcor Spanish Metal Tile



Beauty Need Not Be Sacrificed to Curtail Building Costs!

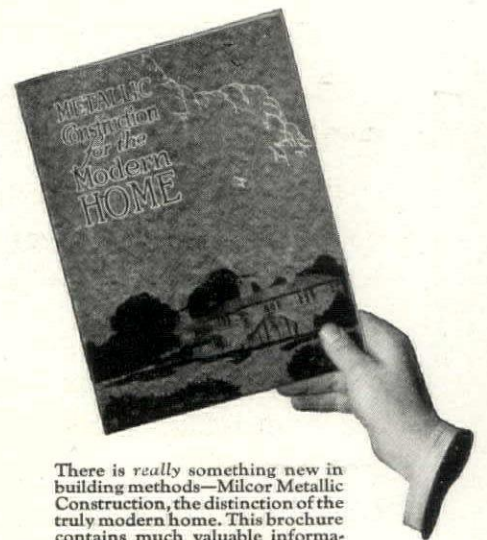
Milcor "Titelock" Metal Tile solves many building problems. Its multiple economies: lower first cost, savings due to the lighter construction possible because of its decreased weight, the absence of cracked tile replacement expense—all make it the logical roofing from the cost viewpoint alone.

But in addition to these savings, and the true Spanish beauty of architecture it provides, Milcor "Titelock" Tile offers protection found in no other roofing.

Protection from fire and lightning; insulation from both heat and cold [the confined air under the heavy ribs acts like a blanket over the roof]—invulnerable, it faces the elements through the many years of its long life.

Before you start on your new home—or reroofing an old building—write for the new brochure, "Metallic Construction for the Modern Home," which gives complete information on the entire line of MILCOR products, including "Titelock" Tile.

Write for this book on
 Modern Home Construction

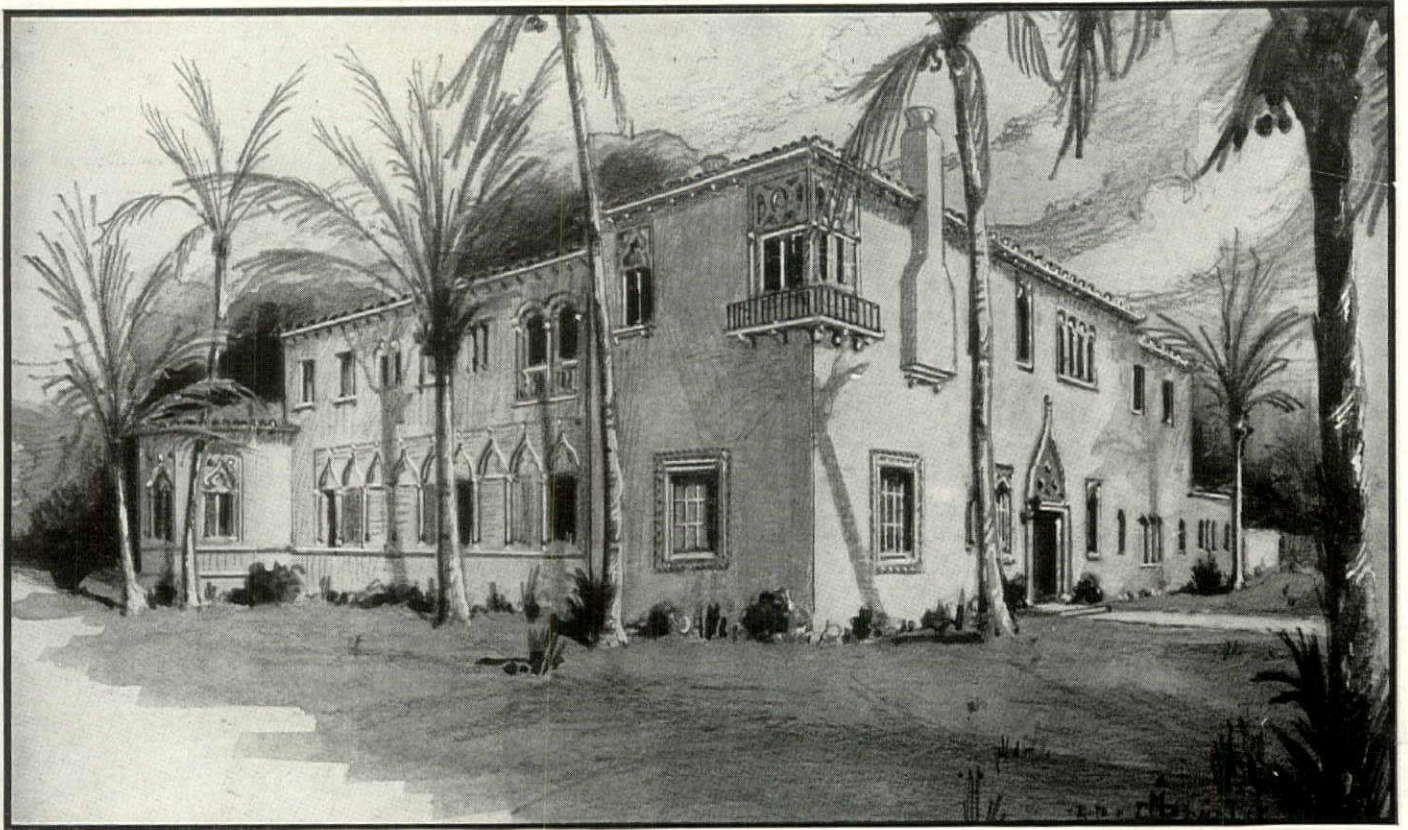


There is really something new in building methods—Milcor Metallic Construction, the distinction of the truly modern home. This brochure contains much valuable information for the home builder. Write for your copy today.

Milwaukee Corrugating Company
 Milwaukee, Wisconsin
 Kansas City, Mo. Minneapolis, Minn.
 La Crosse, Wis.

MILCOR

METALLIC BUILDING PRODUCTS



The Shearson Residence, West Palm Beach, Florida. Mr. Addison Mizner, Architect. Cooper C. Lightbaum, Contractor. Medusa Products furnished by The Dade Lumber Company.



LET Medusa Waterproofed White Cement help you make the picture complete:—

First, the new home itself, with walls finished in stucco of white that does not discolor and that keeps dampness out forever.

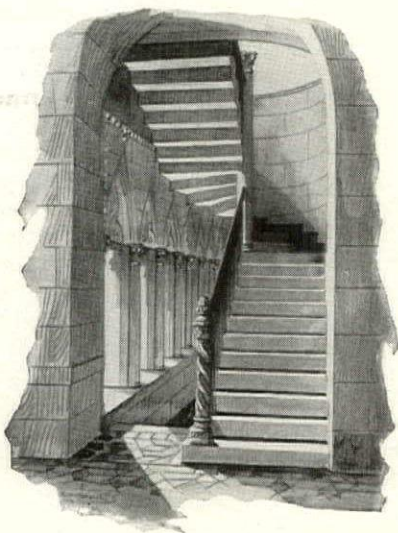
Then, the special ornamentation of doors, windows, steps, etc. Your Architect can plan interesting effects, and your builder can execute them most economically, in Medusa Waterproofed White Cement in perfect imitation of hand-cut stone.

And finally, the architecture of lawn and garden, whether formal or informal, can be rendered most pleasing with walls, coping and ornamental work finished in Medusa Waterproofed White Cement.

Your Architect will gladly co-operate in planning just the right effects for your new home and grounds, using the all-around help provided only by Medusa Waterproofed White Cement.

THE SANDUSKY CEMENT COMPANY
CLEVELAND

Manufacturers of Medusa Stainless White Cement (Plain or Waterproofed); Medusa Gray Cement (Plain and Waterproofed); Medusa Waterproofing (Powder or Paste); and Medusa Cement Paint.



MEDUSA WHITE CEMENT



CURTIS WOODWORK



Modern Homes Combine Exterior Beauty and Built-in Comfort

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For best results you should employ an architect and ask him to specify Curtis Woodwork. But if you decide not to employ an architect, you will find in the Curtis line practically everything that years of experience and genius have developed for the modern home. Retail lumbermen who are Curtis dealers are located nearly everywhere east of the Rockies. The one in your locality can help you in planning and can obtain for you beautifully illustrated literature showing the latest ideas in woodwork. A few minutes' consultation with him may solve several of the problems that usually arise when a home is being laid out on paper.

We cannot legally prevent imitators from copying our patterns and designs. The law, however, does prevent others from using our trademark, which consists only of the name "Curtis" and the year "1866" taken from the window sign at the right. Make sure that the woodwork you buy—sash, doors, moldings or interior woodwork—bears that mark.

Curtis Stamps the Home with Quality

Just as the woodwork built into the house largely determines the convenience of the home, so quality built into the woodwork determines its year-after-year value. Quality is built into Curtis Woodwork, first by designs from some of America's greatest architects, next by the highly specialized craftsmanship of skillful workmen, and last by a system of standardized production in large quantities that keeps the cost surprisingly low.

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At an installed cost no higher than that of ordinary woodwork you can carry Curtis quality throughout the entire house. The Curtis line includes doors, windows, blinds, stairways, mantels, china closets, dressing tables, dining alcoves, moldings, entrances, wall paneling and all other features that properly can be classified as woodwork. Be sure, however, that the Curtis trademark appears on every piece. It is your protection. Talk to your Curtis dealer before you complete your plans or write us direct for literature, telling us what you have in mind.

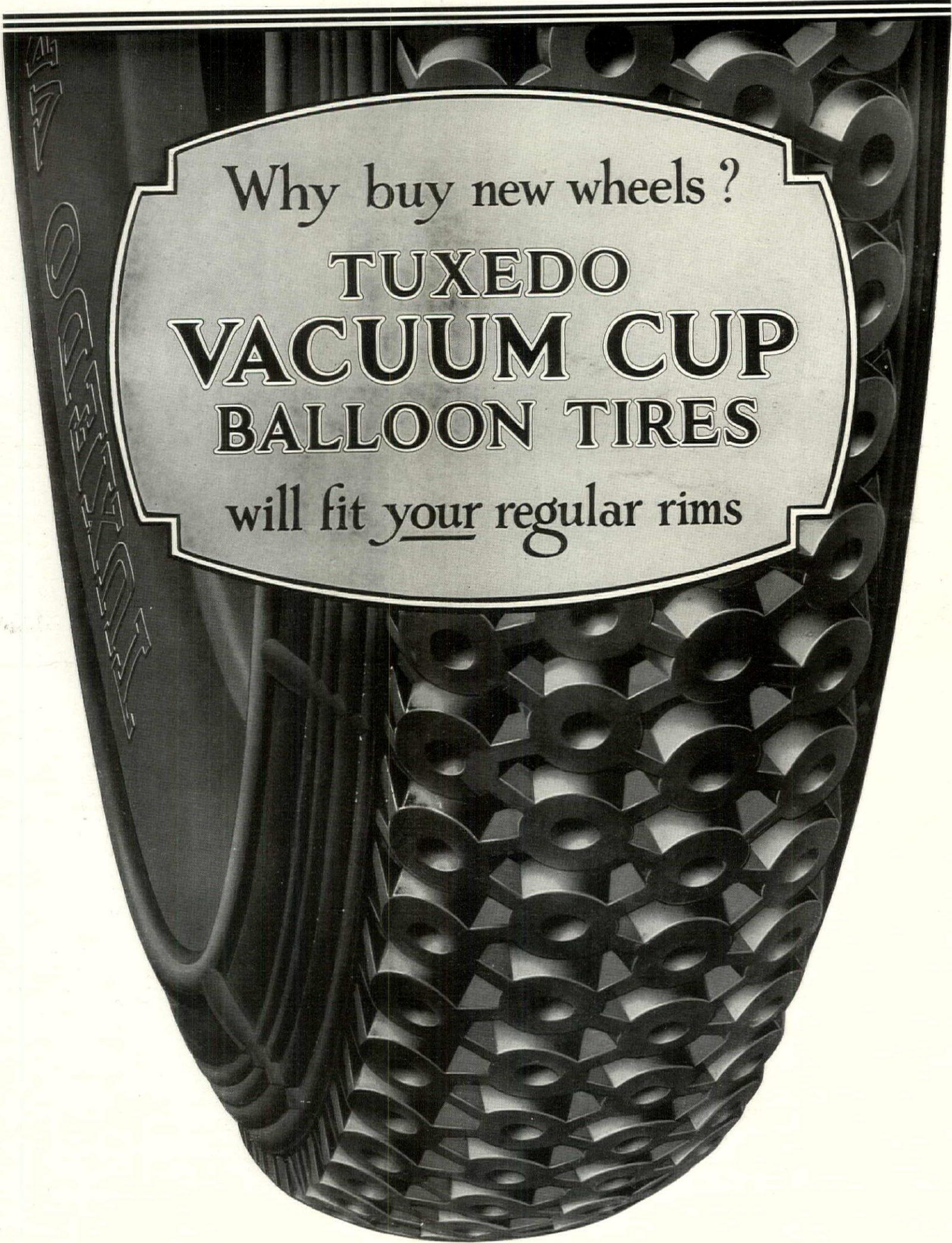
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Curtis Woodwork is sold by retail lumbermen east of the Rockies. Curtis dealers are identified by the sign at the left. Consult the nearest Curtis dealer about your building problems. Write us for information and the dealer's name if you have trouble finding him. Curtis Companies Service Bureau, 265 Curtis Building, Clinton, Iowa.



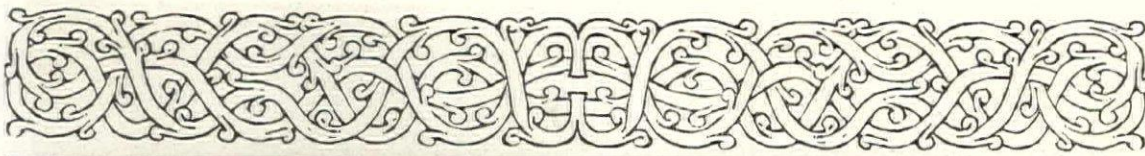


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. Constant Mountain Use

I purchased a Marmon for use of the Commission in May, 1922. Upon the recommendation of what this car had done, a second Marmon was purchased by the contractors. These cars are in constant use in drives between the east and west portals of the tunnel. Every trip to the west portal from Denver means crossing the Divide at an elevation of 11,000 feet. I know of no greater test to try the merits of a car. W. P. ROBINSON, President Moffat Tunnel Commission, Denver, Colo.

. 165,000 Miles

My Marmon's history began with the war, and since that time I have driven it upward of 165,000 miles. It was often used for weeks at a time, driven 24 hours a day, by three different engineers. My chauffeur recently said: "Mr. Goebel, this Marmon gets better every six months!" To say that I am satisfied is putting it mildly.

J. GOEBEL, President, J. Goebel Co.
Clays, Crucibles, Chalks, New York City

. From an Engineer

I have owned seven other makes of cars in my life. After quite a bit of investigation and deliberation, I made up my mind on a Marmon. Being an engineer myself, I feel sure that enables me to appreciate the fine points of mechanical construction of your car. It is in a class by itself as to comfort, and I find it very economical as to fuel.

I have just returned from a 550-mile trip, and my average mileage to a gallon of fuel was 16.4 miles. The power is in excess of any demand I have had occasion to make on it. It surely is the monarch of the road.

R. W. COMPTON, Member A. S. M. E.
Manager Atlanta, Ga., office
The Hooven, Owens, Rentschler Co.

. Has Driven in 27 States

I have just passed the 100,000-mile mark driving a Marmon car. This is my second Marmon, and I have driven in twenty-seven states and a greater part of Canada. I have driven the present car in seventeen states, three times to the Ball Mts. in Canada and make a trip from Detroit to Jackson via Lansing and back once a week in the same day. Mrs. Baker has taken most of the long tours with me and says she will not enjoy any other car.

GEORGE N. BAKER, Manager
Mid-States Steel Company
Detroit, Mich.

. 162,000 Miles

You may add my name to the list of 100,000-mile Marmon owners, because my Marmon has gone over 162,000 of the most pleasurable and troubleless miles it has ever been my pleasure to experience in a long history of car ownership.

WALTER B. McELDOWNNEY
Canton, Ohio

. 200,000 Miles

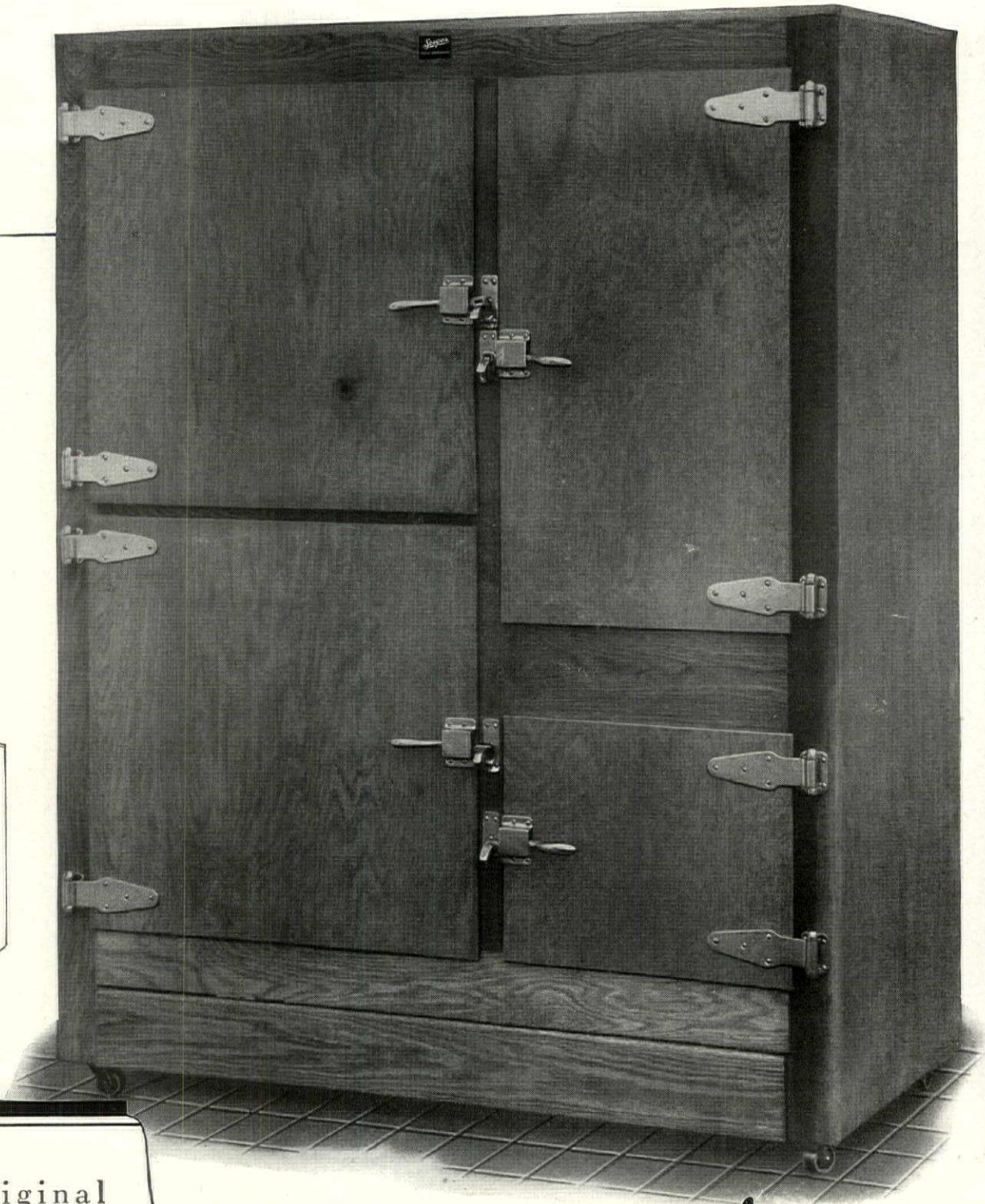
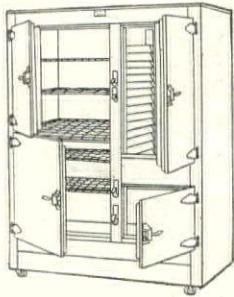
Our practice extends over several states and the Marmon has proved to be the only dependable motor vehicle among a number of cars. This particular car is driven about 1,000 miles weekly average, and has altogether been driven about 200,000 miles.

H. CALVIN LINTHICUM
Linthicum & Linthicum, Architects
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. Owns Twelfth Marmon

I am now driving my twelfth Marmon, a 1923 four-passenger touring, which has given me exceptionally good service and satisfaction. "The proof of the pudding is in the eating," and that leaves nothing further for me to say of your cars, in view of the number I have owned.

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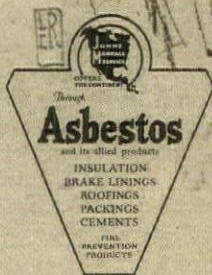
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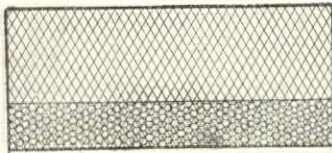
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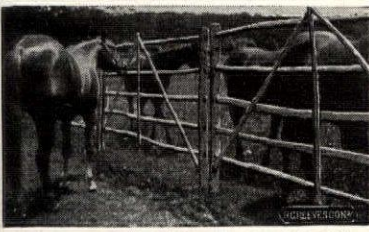
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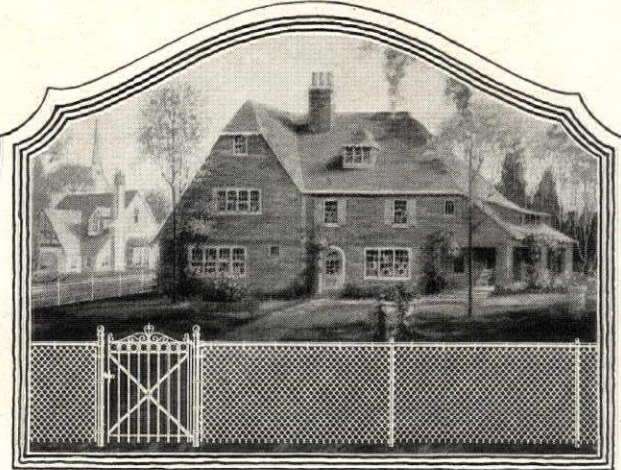
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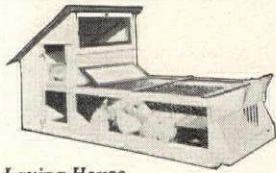


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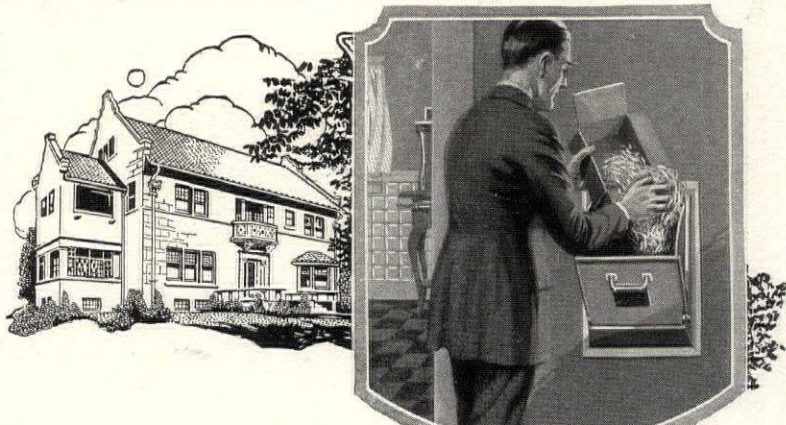
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S. C. Buff Orpingtons	7.00	12.00	23.00
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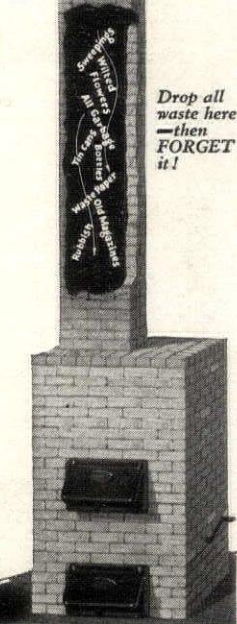
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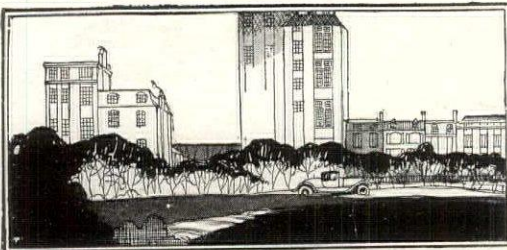
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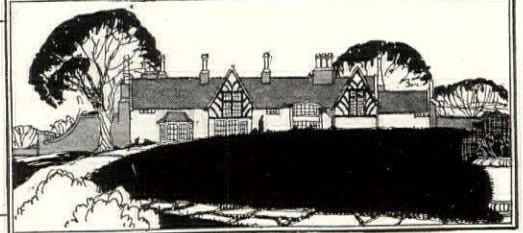
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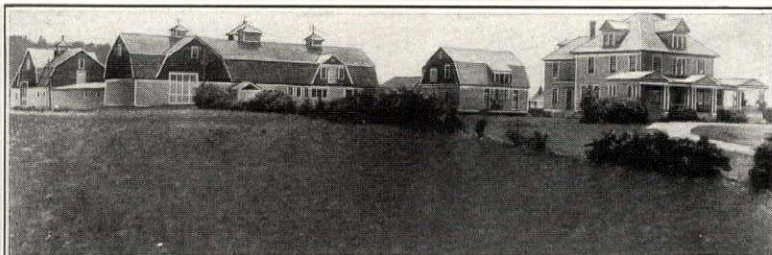
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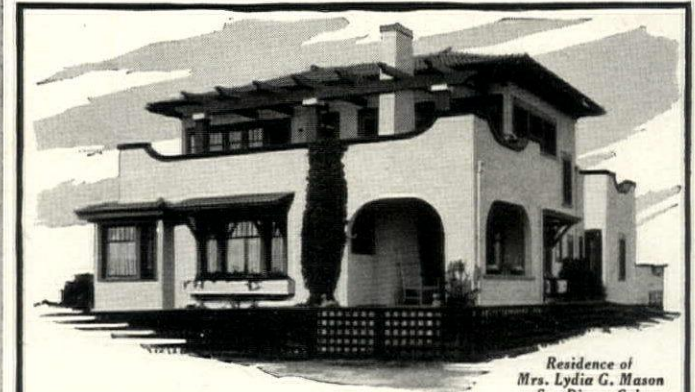
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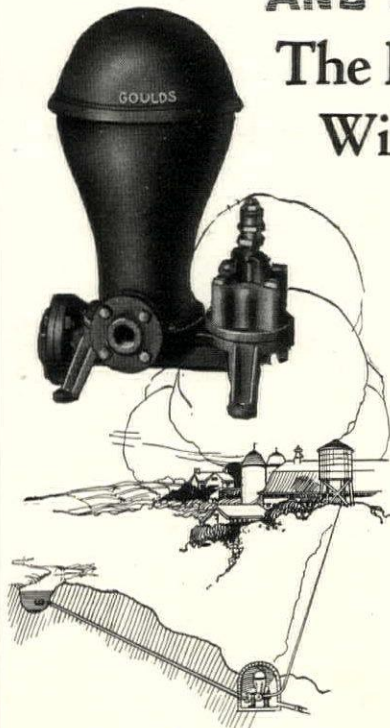
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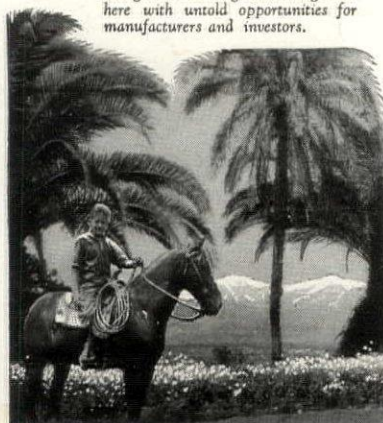
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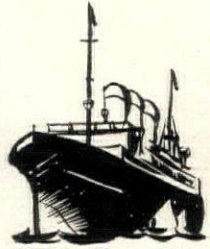
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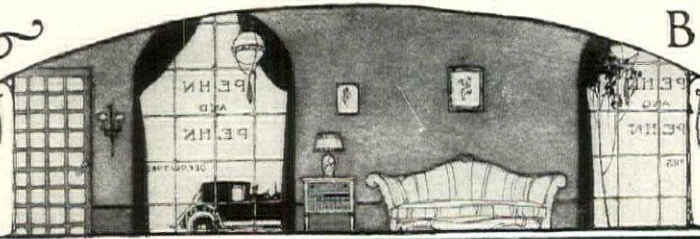
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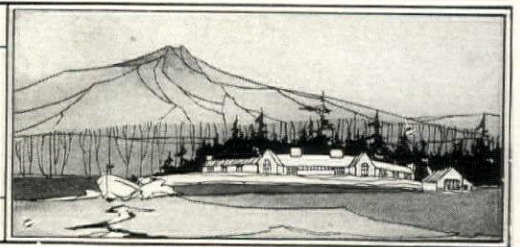
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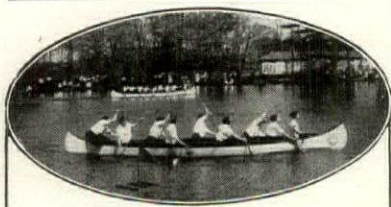
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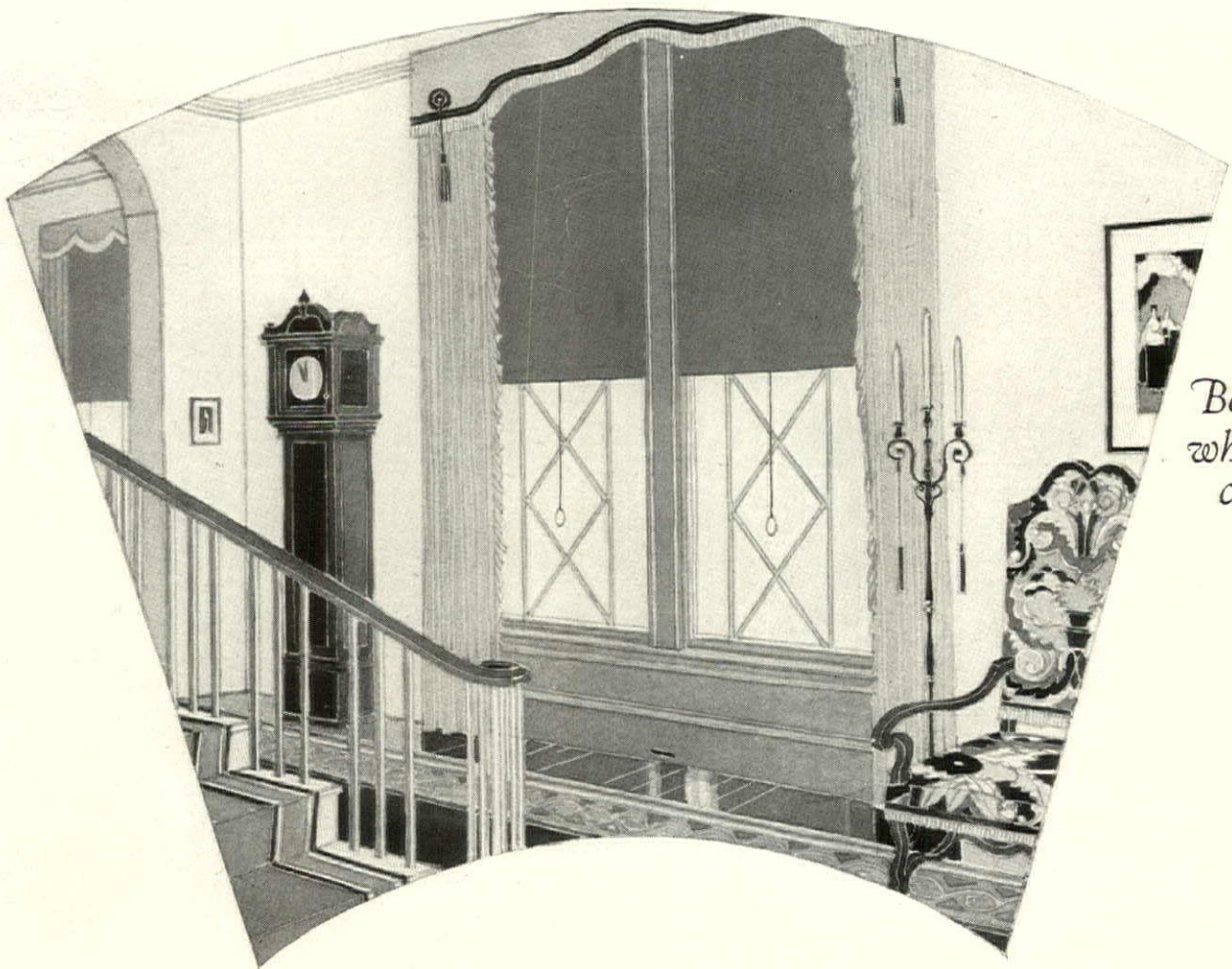
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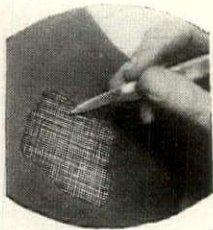
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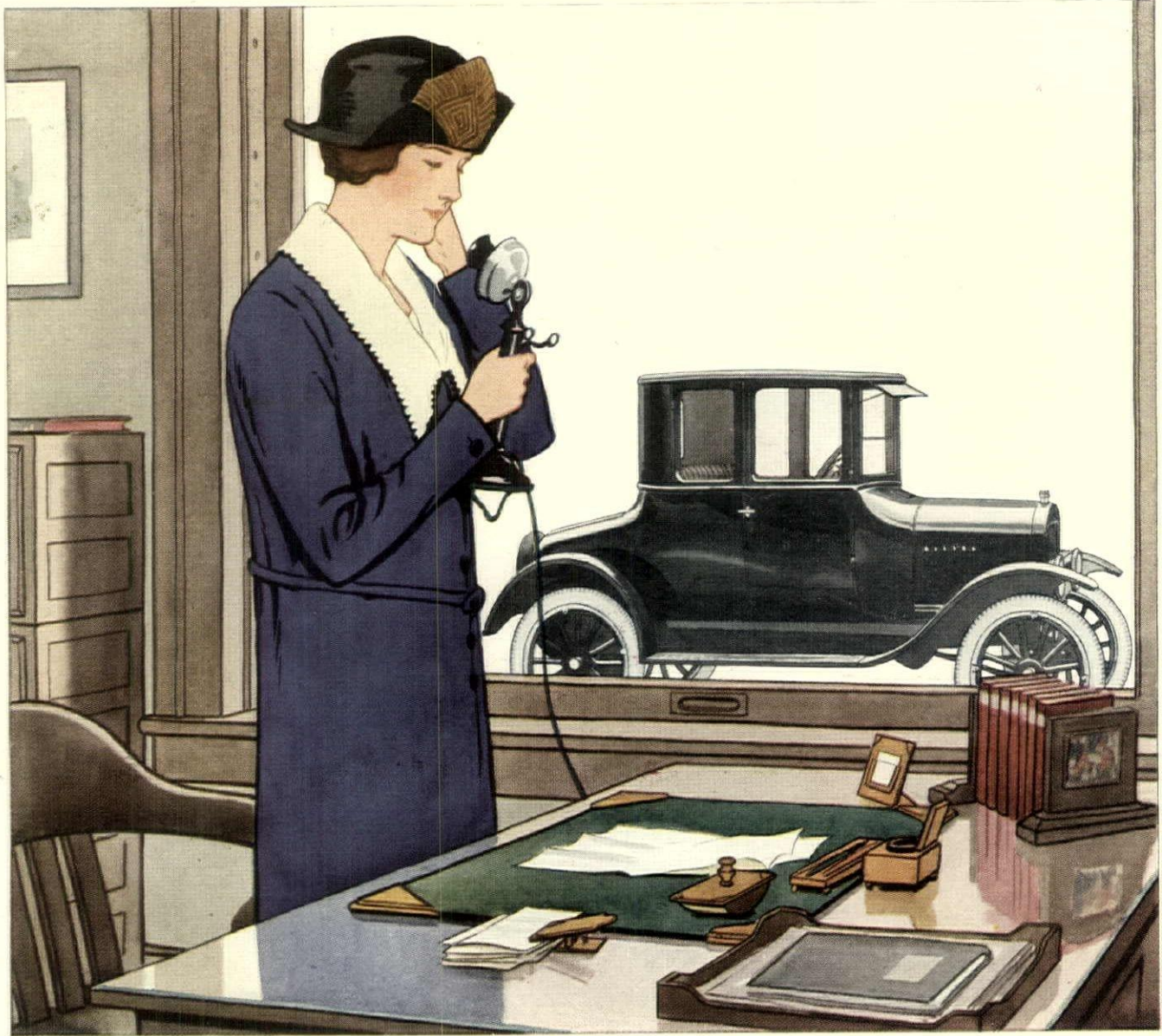
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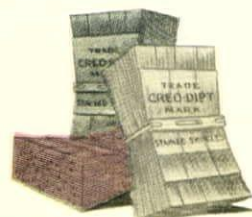


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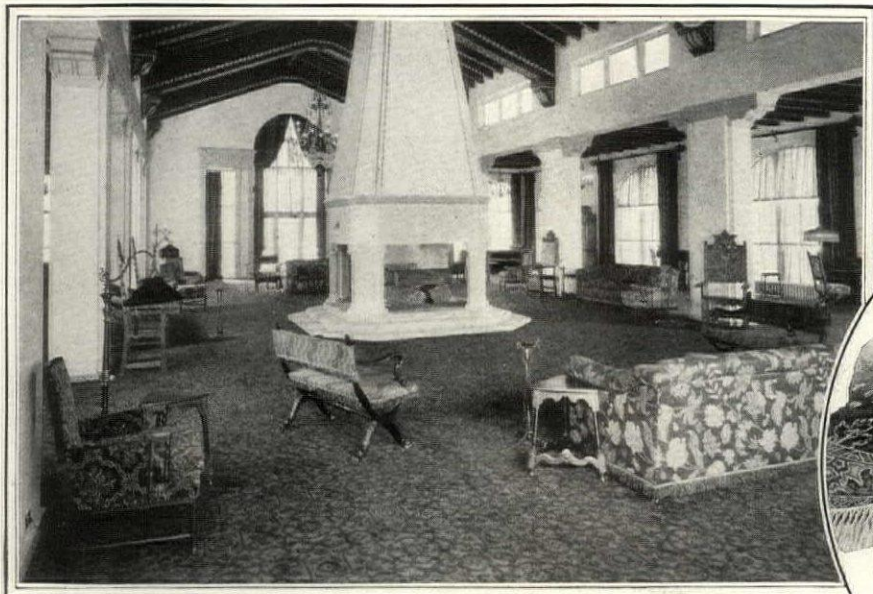
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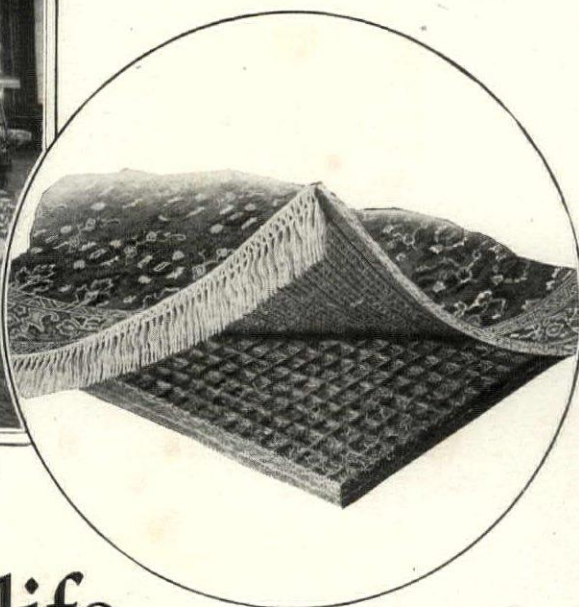
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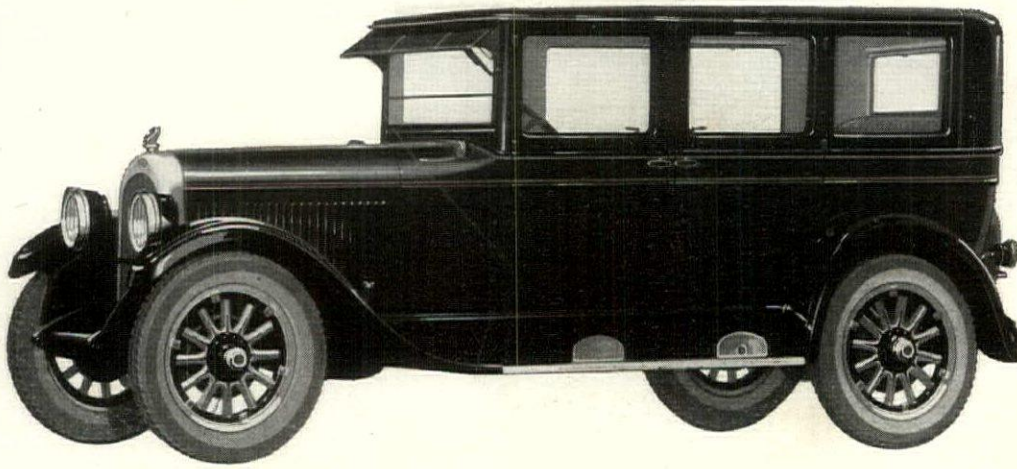
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With the creation of the Chrysler Six, there was accomplished an all-important evolution in motor cars no less valuable than the original invention of the automobile.

For the Chrysler Six is as different from all previous motor cars as the compact, visible-writing, modern typewriter is different from the clumsy writing-machine of Centennial Exposition days.

The Chrysler is the culmination of all past experience in designing and building cars.

It surpasses previous practices, just as the telephone of today excels Mr. Bell's first cumbersome instrument.

Its speed capacity of more than 70 miles an hour from a motor of 3-inch bore transcends all earlier power development.

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With a Touring Car weight, ready for the road, of 2705 pounds, the Chrysler Six can be driven in comfort at 60 miles and upwards over rutted roads and cobbled streets.

Its Chrome-Molybdenum tubular front axle and pivotal steering, with ball thrust bearing king pins, make the Chrysler as easy to handle at speeds of 60 to 65 as at 30 to 35. Chrysler-Lockheed hydraulic four-wheel brakes give perfect control at all speeds.

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Only by seeing and testing the Chrysler Six can you fully appreciate its beauty of appearance, its unprecedented performance abilities. We invite you to study at first hand the supreme quality of Chrysler workmanship and materials, the new standard of performance established by its scientific design and engineering.

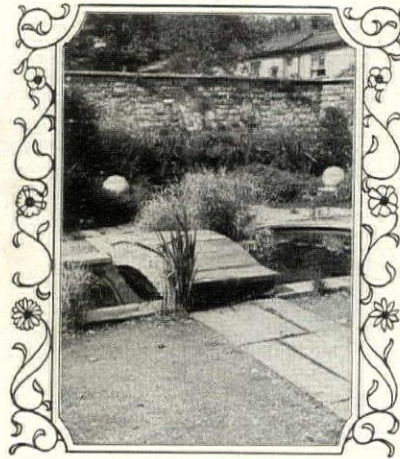
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The Chrysler Six

Pronounced as though spelled, Chrysler

House & Garden



Formal and informal gardens—mostly the latter—are discussed in the June Garden Furnishing Number. This is one of the gardens

IN Edna Ferber's latest novel "So Big" we read of a farm woman who experiences a strange and enlightening spiritual renaissance through her awakening to a sense of beauty. The desire for beauty was latent in her. Then she subscribes for a magazine, and she and her son pore over the pages of that magazine, look in wonderment and rapture at the terraces and the pools, the quaint houses, the quiet rooms. The magazine (for Miss Ferber names it) is HOUSE & GARDEN.

We had always hoped that something like that would happen, that we would have offered us some concrete evidence of how this magazine can awaken in people their dormant love of beauty, and, having awakened it, quicken them to the attainment of beauty in their homes.

Ugliness and lack of comfort are negative conditions. They belong to the powers of darkness. They cramp, stultify and deaden the spirit. They breed despair, they engender a sense of defeat, they narrow the horizons of life. Once you realize how potent they are, you can never rest satisfied until you have supplanted them with beauty and comfort.

Now and then readers suggest to us that we show the ugly and the beautiful side by side, that we contrast poor taste with good taste so that the lesson be more vivid. We are often tempted to do so, but it is not often feasible. Too many would be offended. It were better, instead of showing the negative and the positive, to show only the positive. Our daily papers are smeared with life's negations—murders and strikes and filthy divorce cases and political investigations. We grow tired of them all. We hunger for a clean newspaper, for magazines that deliberately turn away from the

negative, the sordid, the disheartening.

If it merely served that one purpose, if it merely awakened in its readers a desire to have beautiful and livable homes, HOUSE & GARDEN would amply justify its existence. It does more; it suggests how they can attain them. Its practical pages are its biggest and best features. Its readers have, moreover, the opportunity to solve their own individual problems through the HOUSE & GARDEN Information Service. They may shop through the HOUSE & GARDEN Shopping Service. A sort of Public Service Corporation for better homes, this magazine.

But, you ask, why do it? Why give all this service for nothing? Wouldn't people appreciate it more if they paid for it? Considering some of the voluminous and exacting letters that are sent the Information Service, and considering the work that is required to answer them, we sometimes think our readers would appreciate this service if they had to pay for it. The service is given freely and gladly because, in this age of enlightenment, a magazine of the sort that HOUSE & GARDEN purports to be only accomplishes half its aim when it produces a new issue each month. Its work must go beyond that. One of our most valuable assets is the confidence our readers have in our authority. And that authority is only valuable when it is functioning to help people have better homes and gardens. We cannot be satisfied to be "So Big," we must be bigger.

The remarkable fact is that this inspiration and this service comes to you by the mere act of walking to the nearest newsstand or sending in a yearly subscription.

Contents for MAY, 1924

Cover Design—By Marty	
The House & Garden Bulletin Board	53
The Entrance Front—By H. T. Lindeberg, Architect	54
Houses That Bloom in the Spring—By Pierre Duteil	55
The Dutch Colonial in Modern Dress—By Dwight James Baum, Architect	58
The Other Side of the Front Gate	60
A Sculptor's House and Garden	61
Fans of Yesterday	62
New Fabrics	64
Border Papers for Plain or Paneled Walls	66
An 18th Century House in Southern Maryland	67
Hardy Climbers for the Garden—By E. H. Wilson, V. M. H.	70
Gloss Fabrics for the House—By Mr. & Mrs. G. Glen Gould	72
A Little Portfolio of Good Interiors—By Elsie Cobb Wilson, Decorator	73
Restoring A Neglected Woodland—By Herbert Durand	76
What to Know About Wood Floors—By Mallack Price	78
Two Houses—By H. T. Lindeberg, Architect	79
The Cottage That Grew Up—By Schmidt, Garden & Martin, Architects	80
The Gardens of Edward F. Hutton, Roslyn, L. I.—By Marian C. Coffin, Landscape Architect	82
A Garden in Tulip Time	84
Lily Chintzes for Summer Bedrooms—By Margaret McElroy	85
Country House Glassware	86
The Care of the Floor—By Ethel R. Peyser	87
Dahlias: a Flower for All	88
A Shady Terrace Garden—By Antoinette Perrell	90
How Trees are Grafted—By E. Bade	91
Comfortable Furniture for the Porch	92
The Gardener's Calendar	94

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The
HOUSE & GARDEN
— BULLETIN —
BOARD



A GARDEN is made not only to look at but to live in. It should be so furnished that you want to live in it, that you want to entertain in it, that you make it a retreat from the complexities and worries of our modern life. The simplest garden seat can be a safe harbor. Because we believe so thoroughly in living in one's garden, we devote a special issue of the magazine each year to the subject of garden furnishing.

Much of the garden's furnishing depends on the garden's design, and the article on formal and informal designs makes a wealth of suggestions. Trellis is often a factor in garden furnishing, so we show some old French designs and some relatively new American schemes for trelliage. Statuary is a third element in garden furnishing and that is why we have selected for this issue views of the gardens of the late Augustus St. Gaudens. Garden houses being still another factor, we show several original designs for them.

In addition to these, Chinese Wilson writes on roses, Herbert Durand on native plants for the home flower garden, J. H. Melady on making and maintaining lawns that will live, Elizabeth Leonard Strang on a Colonial garden and Jack Held, Jr. makes some designs for country place house signs.

To accompany this, Matlack Price writes on the incidental decorative iron work that can be used around the house. Of the shop pages, one is devoted to pottery for the country house and the other to garden furniture.



IN addition to serving these purely garden furnishing interests, the issue will contain houses and decorating suggestions in abundance—two small houses from down South, an English thatched cottage and a Little Portfolio of a home done in the early American style. Harry Richardson designs some amusing valances for awnings. There is an article on mahogany. Sir James Yoxall writes on collecting Baxter prints. And to make the measure full, we begin a series of articles in June concerned with the problem of the average suburban lot and the kind of house to put on it.



A CERTAIN wag has observed that you can't be a good gardener and a Modernist in religion—so much of the good gardener's time is spent on the knees. We are not so sure that the analogy be sound, but we are sure of the necessity for knees in both gardening and garden enjoyment. You simply have to kneel when you weed; but did it ever occur to you that the beauties of vast quantities of flowers cannot be enjoyed standing up or comfortably sitting down? You have to kneel!



WE understand that there is a movement on foot to establish a National Botanical Garden and Arboretum near Washington. The garden would have an area of eight hundred acres which could be increased, eventually to two thousand acres. One hundred acres of this area would be devoted to a water garden and thirty acres to a bird sanctuary. From the activities of such a national botanical garden the American people could derive as much benefit as England has derived from Kew Garden. HOUSE & GARDEN hopes that Congress will see fit to authorize this desirable undertaking.

OUR Rural Delivery postman has been sick this winter. They say he's all used up after these long years of driving his wheezing Ford over our rutted Connecticut roads. We think of him and remember the poem about "The Old Postman" L. A. G. Strong put in his "Dublin Days". It goes this way:

Here he sits who day by day
Tramped his quiet life away;
Knew a world but ten miles wide,
Cared not what befell outside.

Nor, his tramping at an end,
Has he need of book or friend.
Peace and comfort he can find
In the laneways of his mind.



FOR twenty-three years HOUSE & GARDEN has devoted its editorial attention strictly to the home. It has taken the front gate as one limit and the back gate as the other limit of its interests. During those years it has by no means exhausted that subject, for the subject of the home is inexhaustible. By having such a restricted policy to which it adhered without wavering, it has grown, we feel, into a potent force in the lives of the American people and exerts an influence that commands respect.

Beginning with this May issue, on its editorial page (page 60 of this May number), HOUSE & GARDEN steps beyond the front gate. The problem of civic and national affairs as they touch on the life of the town and the home will henceforth find a place in this magazine. And they do touch on the home; that is a fact which cannot be gainsaid. The plundering of our forests had a direct bearing on the homes that the next generation of Americans will build. The zoning of our towns and cities exercises a decided influence on the home and its future prospects. The saving of our city and national parks, the obliteration of ugly signs, the proper lighting of streets and highways—all such affairs are matters that must be in the consciousness of people who have homes.

HOUSE & GARDEN's future policy in respect to these affairs is stated in this month's editorial. You will doubtless be interested in reading it.



IN a recent issue of The Architectural Review (London) the first pictures of the Queen's Doll's House appear. This miniature mansion, designed by Sir Edwin Lutyens, England's most popular architect, has been done so perfectly to scale that it is quite impossible, from photographs of the interiors, to tell that these are not life-size rooms; that the books, tables, chairs, even clocks, cutlery, ash-trays, and candles are not objects in the usual dimensions. Yet the whole thing is but one-twelfth natural size. The building is four feet high, eight feet long, four feet deep, and the Queen doll's powder puff is scarcely larger than a pea—a sweet-pea!



THE old case of Dog vs. Garden has never been unequivocally settled—perhaps it never will be. Such complaints as "Fido digs up all my Foxgloves" or "Caesar went sound asleep in the middle of the Poppy bed after chasing a young robin through the whole length of the perennial border" are distressingly frequent and heartfelt.

As a matter of fact, a frisky, untrained and unrestrained canine can bring destruction to an exceedingly large number of garden hopes in an astonishingly small number of minutes. So can a kitten, a hen from the neighbor's side of the fence, or (asking your pardon) a child of either sex between the ages of three and twelve years. The usual procedure is to lecture the child, shut the kitten in the house and throw clods at the hen. Only the dog, being a dog, has to bear the entire blame for damage resulting from his owner's negligence in not according him even that measure of training which is granted the marauding fowl.

That's the answer—training. The two words, "Stop it!" have a far more salutary effect on the properly educated pup than they do on the kitten, the chicken, or sometimes (whisper it!) the child.



HOUSE & GARDEN'S authors are a book-producing lot. It would seem that they spend most of their leisure time penning manuscripts that publishers are anxious to present between covers. Nancy McClelland will be represented this autumn by Historic Wall-Papers, the first really authoritative work on that subject. Stuart Ortloff comes out with his first, "A Garden Bluebook of Annuals and Biennials", to which the editor of HOUSE & GARDEN writes the preface. Robert S. Lemmon's "The Puppy Book" is going very strong and one of his short stories has just been awarded a place in the 1923 O. Henry Memorial Prize Stories. J. Horace McFarland has revised and enlarged "Roses and How to Grow Them". The editor of HOUSE & GARDEN comes out this spring with his thirteenth and fourteenth—"The Practical Book of Outdoor Flowers" and "A Small House and Large Garden".



AND speaking of new books, "The American Rose Annual" for 1924 has been distributed to the members of the American Rose Society. Much larger than previous editions, this Annual is an invaluable collection of Rose lore and Rose practice. The subject of the Rose seems almost inexhaustible. If the Rose Society offered no other advantage, this Annual would be sufficient justification for becoming a member.



MENTION of the Queen's Doll's House reminds us of the growing appreciation of architectural models. Lately in HOUSE & GARDEN we have shown two—one of a house in Florida, and one of a country place in British Columbia—which have caused considerable comment for their remarkable fidelity to the outward appearance of the subsequent real structure. Plans, even perspectives, have their limitations when it comes to getting the feel of a proposed building; the three-dimensional likeness is the only one that is absolutely dependable. The same thing is true of gardens, as witnessed by the models from the New York Flower Show to be found on some subsequent pages.

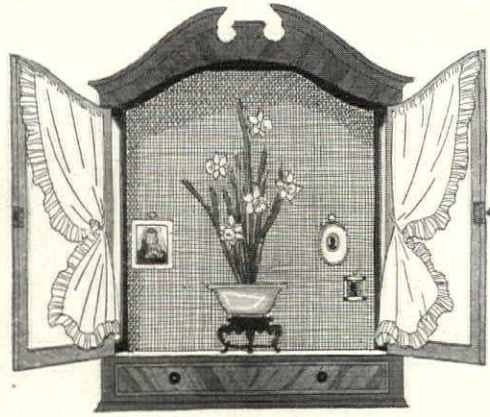


Sigurd Fischer

THE ENTRANCE FRONT

A whitewashed brick wall broken by an easy flight of steps to a grass terrace; simple brick piers surmounted by decorative lead peacocks; rhododendrons massed at the corners—of such simple elements is

made this entrance to the home of Bertrand Taylor, Jr., at Locust Valley, L. I. The house itself is of stucco painted white. Another view of it is found on page 81. H. T. Lindeberg was the architect



HOUSES THAT BLOOM IN THE SPRING

Often the Addition of a Piece of Furniture, Crisp Curtains or New Wall Paper Will Transform an Old Room into a Fresh, Inviting Interior

PIERRE DUTEL

THERE are many ways of spending money but to me the most satisfying and pleasant way is to spend it on the house, especially at this time of year when various rooms should put on a new, fresh guise in honor of spring.

A room does not have to be entirely redone in order to look spring-like and attractive. Just the right touches here and there are frequently enough to transform a drab and colorless interior into an inviting and delightful spot. A pair of new fresh chintz curtains in place of the heavy damask or velour ones, a new, comfortable chair, perhaps an occasional small table, or such important accessories as new lamp shades and cushions will work wonders in a room that has begun to look a bit passé.

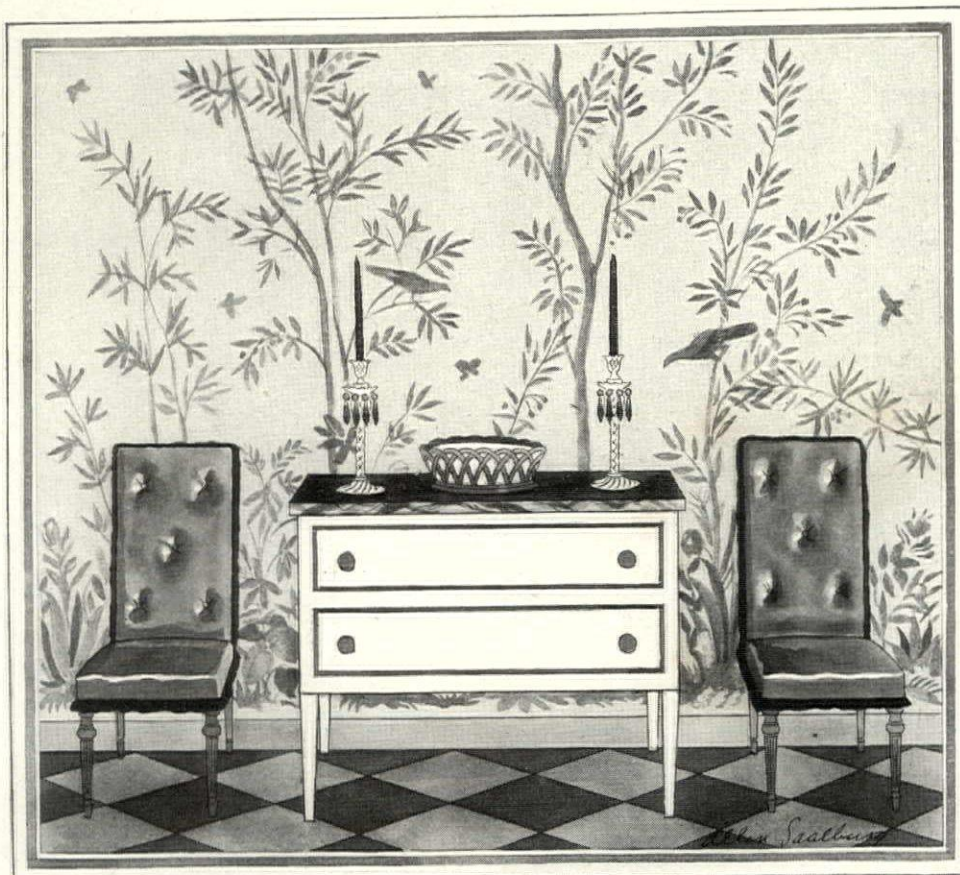
Nothing so quickly transforms a room as

fresh wallpaper. There are many new papers, gay and daring patterns as well as copies of old designs, that would be delightful in a simple, country house living room. One in particular reminds me of an old set of Chelsea china. It has a soft bluish background with an allover design of moss green leaves and flowers, and here and there through the deep foliage one gets a glimpse of a charming vista—a blue pond and some flowers in the distance with a pair of gray swans swimming on the quiet surface. With this the woodwork might be painted gray and the moldings touched up in moss green. The doors I should have green also and in each of the panels might be painted a design of the swans in gray.

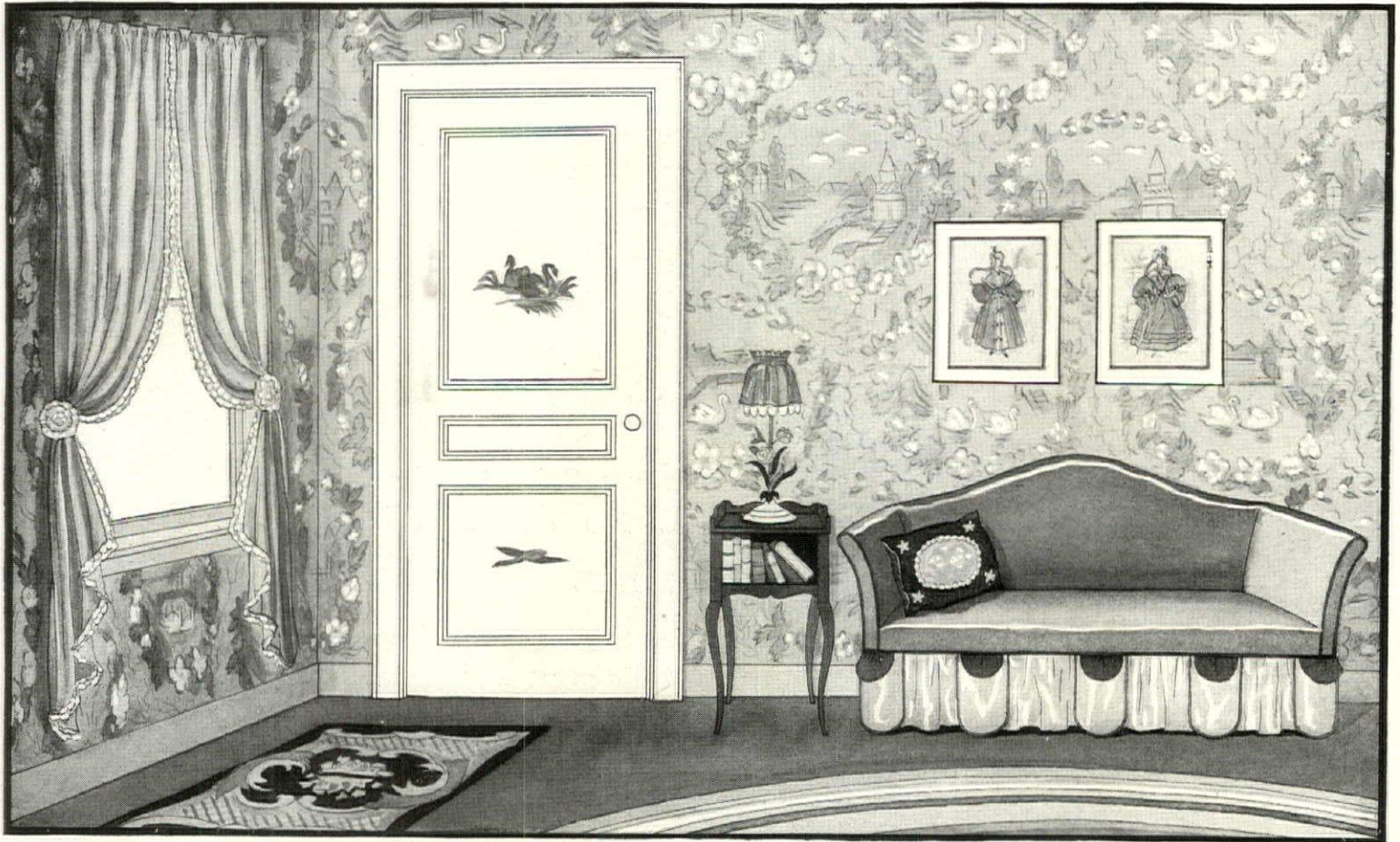
After wallpaper nothing makes so great an improvement in a room as new slip

covers. If the walls or curtains are figured these should be of linen or sunfast glazed chintz in a plain color, bound with some bright contrasting shade. In the room with the swan paper they might be of plain blue glazed chintz bound in green. New curtains of sunfast organdie in some soft, harmonizing shade, made with two sets of pleated ruffles will add immensely to the fresh, summery appearance of a room.

Another way of bringing interest to an old room is by the addition of attractive new lamps and shades. The lamps in the room above might be of black or green glazed pottery with green pleated shades and a shade of the wallpaper mounted on a frame and shellaced would look well on the reading table by the sofa. The floor should be painted a soft green and covered



An effect of space and a fresh, new look was given a narrow, dark hall by painting a delicate tree design on green walls. The chairs have cream satin slip covers bound with cherry red ribbon



A summery paper for a country house living room has flowers, vistas and two swans floating on a blue pond. The woodwork is gray with moldings in moss green and a green door has a painted design of swans afloat and a fly, suggested by the paper

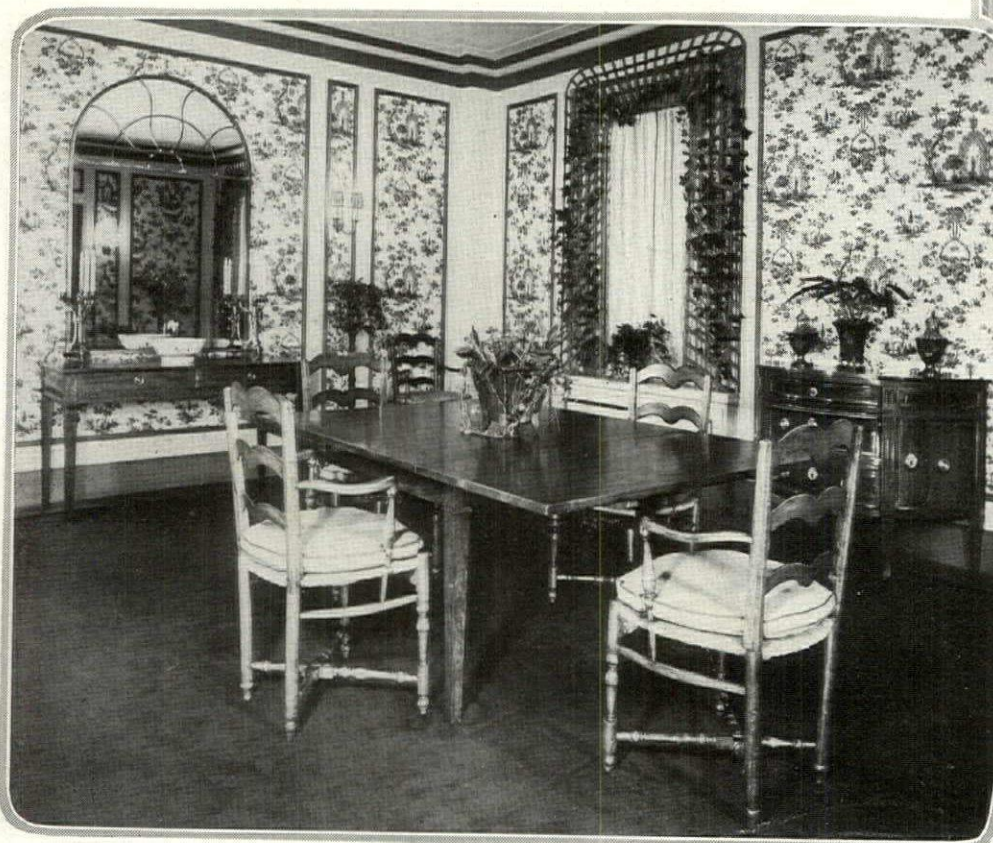
with washable, gray rag rugs bound in blue.

In a more pretentious house where the dining room is large enough to remodel into an octagonal shaped room, an unusual effect can be created by having niches cut into the corner partitions.

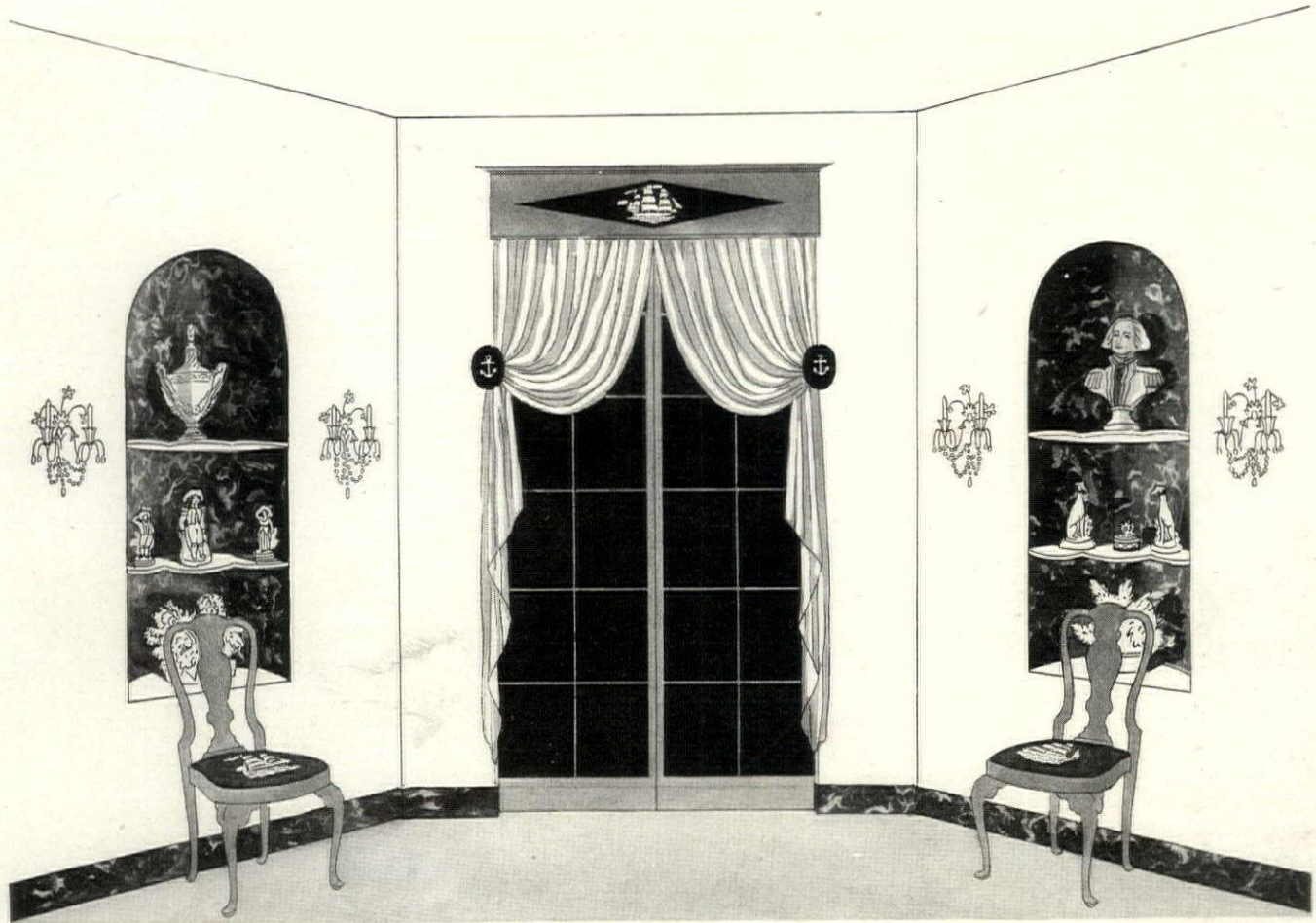
Paint the walls a rich bottle green and use a heavy oil finish to give a sheen. The insides of the niches marbleize in black and gold and treat the trim the same way. Blue glass shelves that have been cut to fit the curve of the niches can be fastened in with invisible brackets. On these place some choice plates



A tiny hall in a New York apartment has walls done in the colorful Isola Bella paper, green woodwork and an old star lantern with blue glass. Mrs. Buel was the decorator



The feature of this cool looking dining room is the lattice around the window which takes the place of overhangings. Diane Tate and Marian Hall were the decorators



When the dining room is large enough to remodel into an octagonal shaped room, an unusual effect can be created by having niches cut into the corner partitions, marbled black and gold inside. The shelves, holding choice bits of china, are blue glass



In the room above the walls are done in a flowered chintz paper with a cream ground. The woodwork has been painted blue and the material of the curtains is a blue gauze

or bits of china. This does away with the awkward china closet.

At the windows hang curtains of rich pinkish orange sunfast glazed chintz or a corded silk poplin made with French headings. Over these place valance boards made of wood painted the green of the walls. Diamond shaped inserts

of black glass with decorations of ships painted in blue and green will lend a note of distinction and formality to the room. Tie backs of glass, or decorated wood will hold back the draperies and show a vista outside. The floor here may be of black and white tile, or
(Continued on page 142)



A charming paper for a summer bedroom is this toile de Jouy design in red on a deep cream ground. Chapin, Harper & Dutel were the decorators of both this room and the above



Gillies

Nothing emphasizes quite so well the close attachment of the house for its site as the ease with which one may step from lawn to floor level. Here, to the porch, it is a matter of five inches, and one feels, from the window heights, that the living room, in its low wing, is settled just as snugly



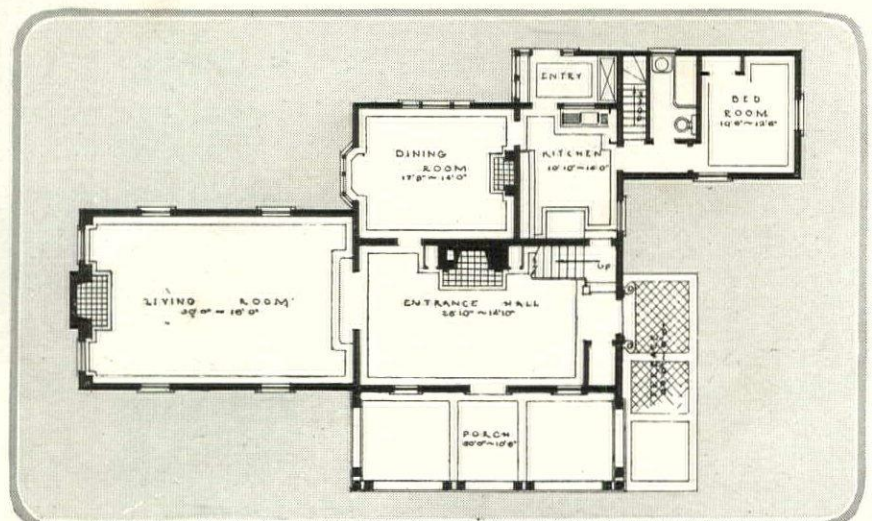
A detailed view of the living room wing shows the materials of the house and their treatment. The walls are shingled and stained white; the bricks of the chimneys are painted white and the solid paneled shutters are apple green. The ever-green planting of tall Conifers may soon be too robust

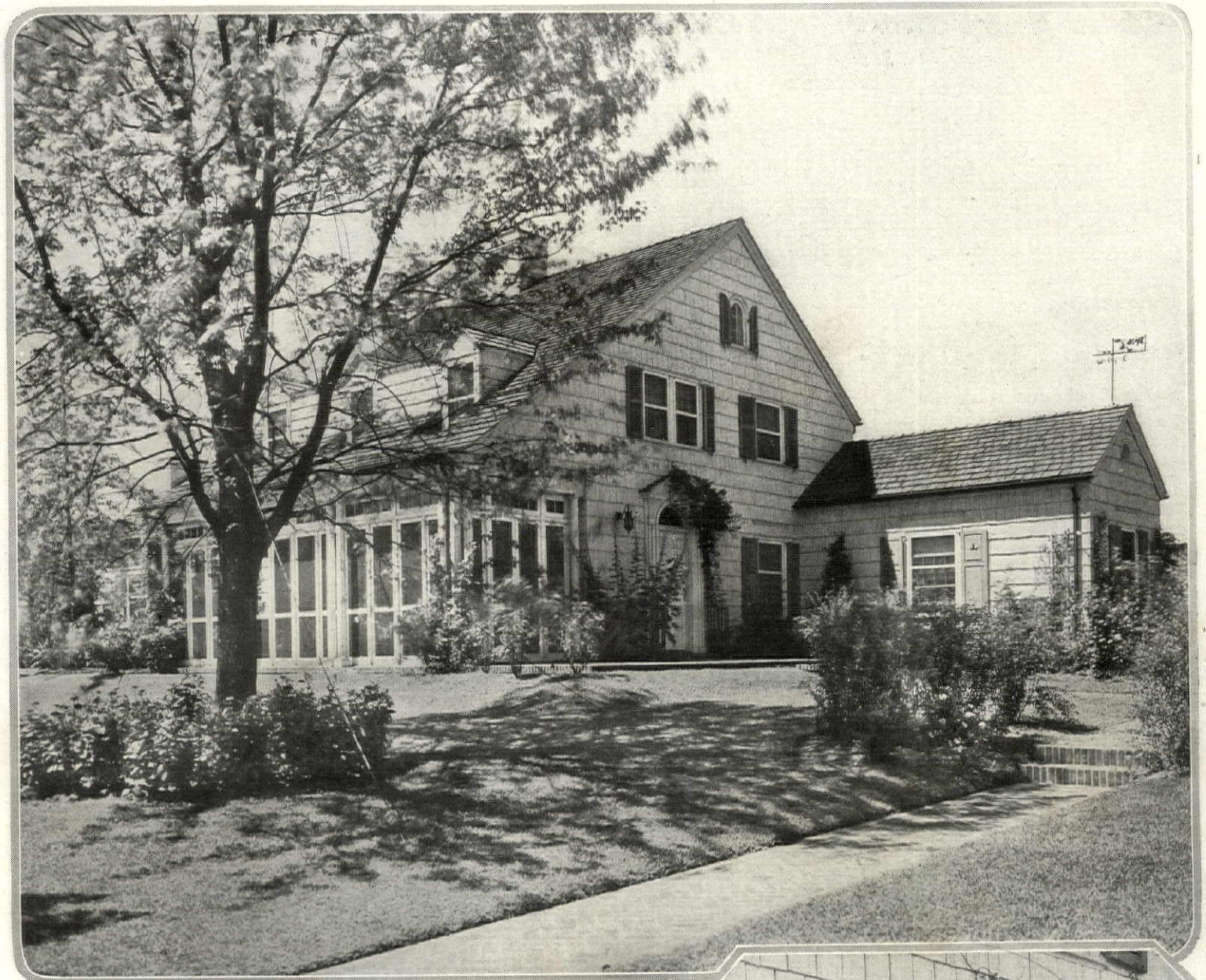
THE DUTCH COLONIAL

home of

MRS. G. F. McQUADE, FREEPORT, N. Y.

The living room is a space of splendid proportions on the plan, roof high, and lighted from three sides; the hall is generously sized and forms a fine connection between all the rooms and entrances of the first floor





Gillies

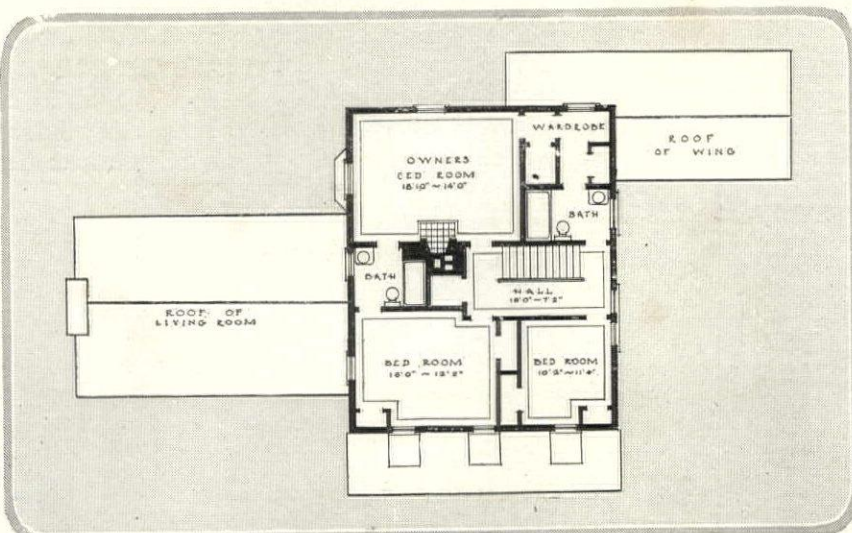
The view from the entrance angle proves that the main doorway to a house may be casually placed, architecturally speaking, yet be extremely effective. In the immediate foreground is a large Maple that has just been moved to this new location lending it shade, age and luxuriance

IN MODERN DRESS

designed by

DWIGHT JAMES BAUM, ARCHITECT

With the two wings running through but one story, the second floor seems that of a smaller house. The baths are well disposed, the bedrooms are of good, comfortable size, and the closet space is unusually ample



The entrance doorway, with its fine elliptical fan light, its well proportioned panels, and its slender pilasters, contains the same gracefulness which characterizes so much of Mr. Baum's work. Without some diverting it is possible that the Wistaria may soon smother much of this delicate architecture

THE OTHER SIDE OF THE FRONT GATE

A Statement of House & Garden's Policy Regarding The Exercise Of A National And Civic Conscience

JUST as soon as a man starts to make a home he realizes that his front gate has two sides—his and the other; that it opens upon two worlds—the world of the home and the world of the town in which he lives and the nation of which he is citizen. He may close the gate, but neither world can be completely shut out. So inter-related are they, so dependent one on the other, that if he has the slightest desire to protect and further the interests of his home, he cannot do so without protecting and furthering the interests of his town and his country.

The American people have just been passing through a rather strenuous purgation of spirit. The humiliating and nauseous investigations at Washington have revealed this fact—that, if we are any longer to boast of democracy, something must be done to quicken the civic and national conscience of Americans.

We are ready to defend the home whenever its interests are threatened, but are we equally ready to defend those things in our towns and cities and nation at large that bear a vital, if not immediately perceptible, relation to the home and its future?

The absence of this civic and national conscience is doubtless due to the fact that men and women generally do not realize that home interests are involved. They are involved in several ways—spiritually, esthetically and materially. Let us see how some of these effect the home.

The gradual reduction of our forests through wasteful cutting, fire and lack of reforestation may not worry the man in the suburbs of New York or any other great city of America. But it will become a distinct worry to that man's son when he builds his house, to find a lumber shortage. This will be purely a material effect. But the vegetation and beauty of the country will be destroyed. This would have a spiritual and esthetic bearing. For material, spiritual and esthetic reasons, then, a national conscience should impel this generation of citizens to support the bill presented to Congress to authorize the purchase of forest lands for the purpose of restoring their forests and providing a national supply of timber. It should cause him to support every effort made to reforestate our waste lands and to prevent the destruction of untouched timber lands by fire.

THIS same John Doe suburbanite may be horrified when he realizes that a group of influential and mis-guided enthusiasts plot a raid on Central Park to erect a musical and art center, thereby lessening the park space in which children of the metropolis can play and its citizens enjoy sunshine and pure air. Here health and beauty are involved. His very concern over them proves that he has a civic conscience. But he cannot be said to have a national conscience unless he realizes that, had this trespass on Central Park been legalized, it would have set the precedent for trespassing on the parks—the health and beauty—of every city in the land.

Or let him consider the National Parks. During the past fifty-odd years successive Congresses and Administrations have built up the national policy that our national park system shall contain only areas of extraordinary significance completely conserved from all industrial uses. These National Parks are

recreational areas reserved for the people; they conserve exhibits of our various land forms, our waters and wild life supported under absolutely natural conditions and in natural descent. Time and again powerful interests have tried to invade these nationally restricted areas. They are trying to invade Yellowstone National Park at present. Once Congress is permitted to weaken in respect to one park, a precedent will be set for the invasion of every other National Park.

How is the average citizen to prevent this? How is he to exercise his national conscience? For it is no use having a conscience unless it be aggressive. He can support those societies that watch and move threatening the prerogatives of the people. He can make his Congressmen aware of his interest in these matters. He can arouse other citizens to interest in them.

A CIVIC conscience functions much more readily because aroused by problems closer at hand. While these are matters of threatened injustice, they also concern themselves the economic and esthetic development of the town. They take immensely varied forms, ranging from such simple matters as lawn space and shrubbery planting around the railroad station to the vitally important subject of town zoning.

Consider just these two subjects: The railroad station is usually the stranger's first introduction to the town. If it is attractive, it adds to the town's merit. If it is unattractive, it is a sort of town he would like to live in. It is the sort of place he would prefer for his business. Like the front yard of a house, it sets a standard of beauty which cannot be neglected.

Zoning also has its economic, esthetic and legal phases. Through its administration certain areas are set apart for business and certain for residences. When factories and shops invade the residential district the esthetic and economic values of that district are threatened. It is no longer as good a place to live in. This zoning is being taken up enthusiastically in some cities and towns, but there are hundreds of others where no effort in this respect is being made.

On such matters the civic conscience must be aroused. These affairs have a direct bearing on the home and its future. It is the duty of every citizen to be alive to them and active in their support.

For over twenty-three years HOUSE & GARDEN has devoted its editorial pages strictly to interests of the home—to the construction and building of better houses, to their furnishing and maintenance, to the making and maintenance of their gardens. Over time it has, thanks to a rapidly increasing body of readers who have appreciated its authority, acquired an influence among the upper class of American citizens. Its interest has lain mainly on the other side of the front gate.

From now on it proposes to devote editorial interest to those affairs that lie on the other side of the front gate, to those things of national and civic betterment which have a direct bearing on the future of the American home. Its work along these lines will be just as authoritative and aggressive as has been its work on the home. In this endeavor HOUSE & GARDEN feels that it is the support of every loyal reader. It would be pleased to hear from you on these matters.





The fan used over this Korean cabinet in addition to being a decorative bit of color breaks the upright lines of the narrow bookshelves. It is made from a bit of highly colored old Chinese tapestry

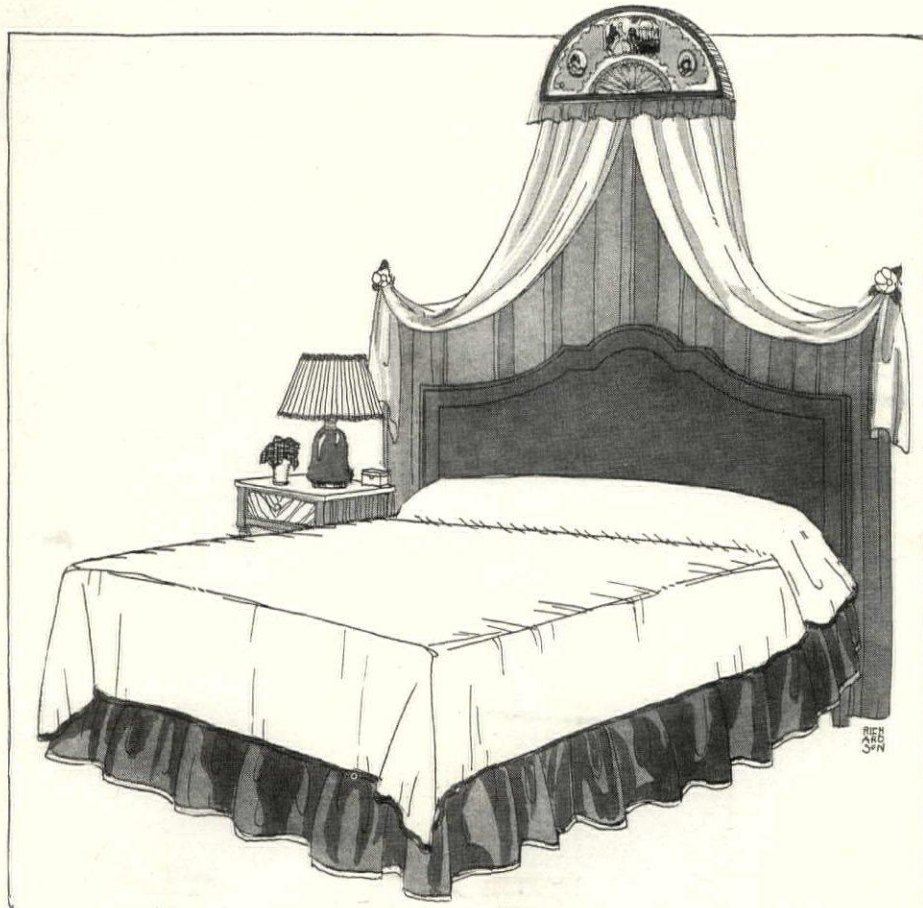
F A N S O F Y E S T E R D A Y

THE semi-circular fan is one of the most useful and interesting bits of color and form in decoration. Particularly difficult spaces, such as that over a long, low sofa or a high mantelpiece, can be successfully filled in with a graceful and colorful fan which brings a note of distinction to an interior not to be equalled by any other form of decoration.



F O R M O D E R N I N T E R I O R S

Beautiful old fans should not be hidden away. They can be used in many ways in the house and often are more effective than either a mirror or picture. The semi-circular shape is especially pleasing and in addition there is the interest of design and color. Various ways of using old fans in places where their circle-like shape fits, are shown on these pages.



The sketch in the center shows two uses for old fans. The quaint shapes on the mantel have a painted flower design and are used to shield the lights. The semicircular fan makes a decorative fire screen

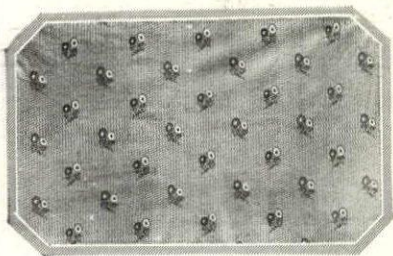
An old French fan with a design of pastoral scenes makes an unusual and graceful decoration for a bed canopy. The taffeta hangings and spread are blue and rose, to match the main tones of the fan



A mauvelattice and prim little pink flowers on a cream ground make this semi-glazed chintz unusually appealing. 50 inches, \$6.85

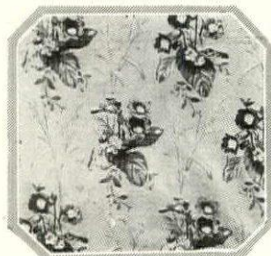


A charming semi-glazed chintz with an apricot ground and a design in delicate blue, green, henna and mauve. 25 inches, \$4

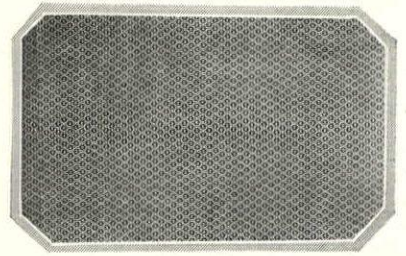


Stiff little flowers in rose, yellow and mauve on a light-blue, blue-green or tan ground. Semi-glazed or unglazed. 31 inches, \$1.90

Striped sunfast tafeta is an excellent fabric for country house curtains. Blue and beige, lavender and tan, rose and tan, mulberry and tan. 50 inches, \$5.25



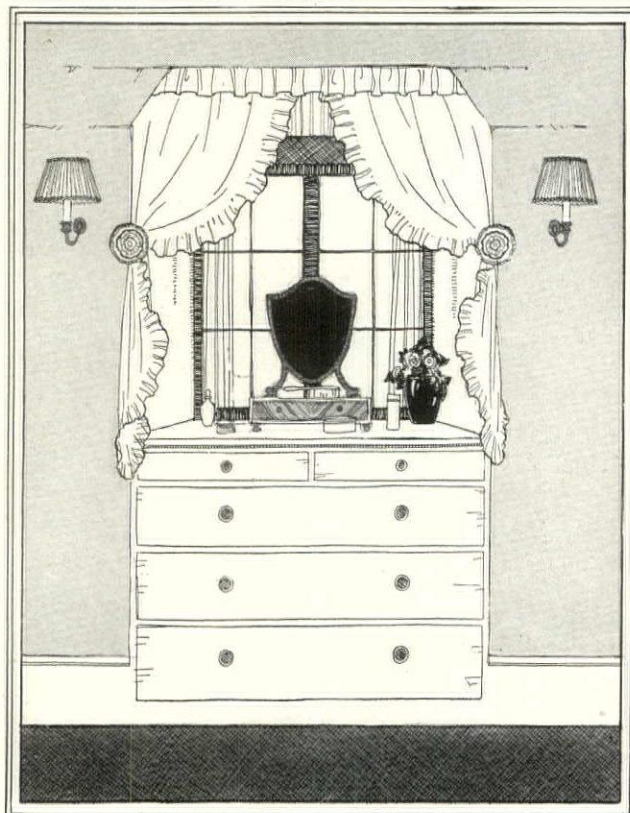
The chintz at the left comes either glazed or unglazed. Rose and mauve flowers on either a grayish mauve or black ground. 36 inches wide, \$4.40



English prints make charming curtains for cottages or children's rooms. All colors with quaint dotted designs. 32 inches, 80c a yard

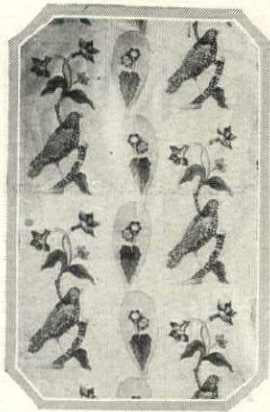


This chintz has a blue, black or tan ground and bunches of flowers in rose, green, white and yellow. 36 inches, \$1.49. Glazed and unglazed

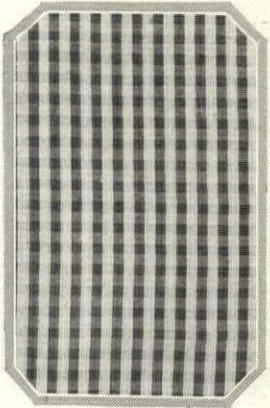


A linen with a decorative bird and flower design on a green, black or blue ground. 50 inches wide and priced at \$5.50 a yard

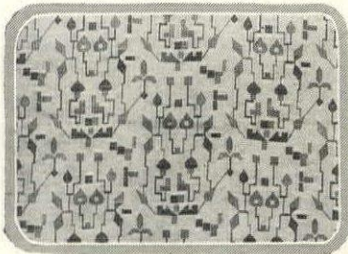
The simple curtains at the left are of sunfast organdie which comes in pastel tones. 45 inches wide and \$1.90 a yard



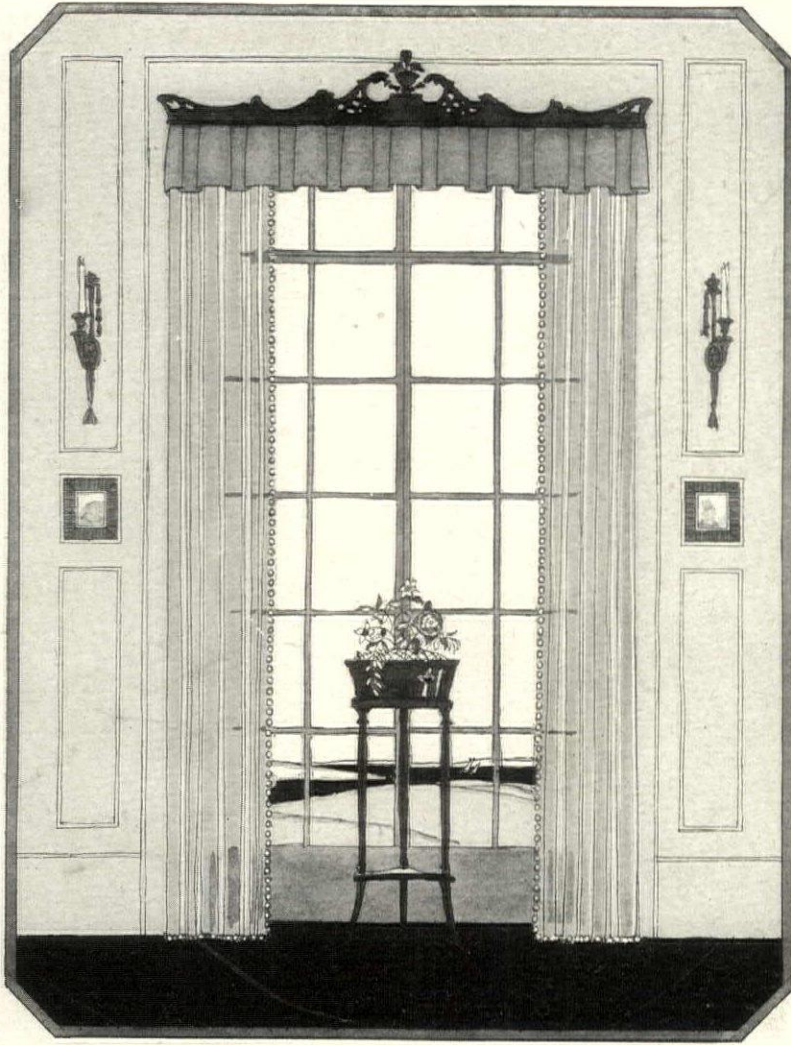
Glazed chintz, tan, blue or green ground with contrasting birds. 50 inches \$4.90



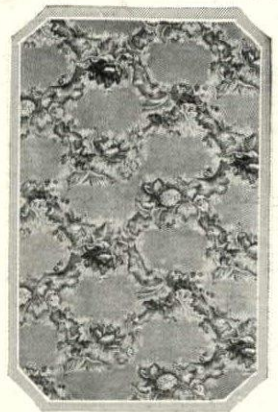
Checked linen in rose and gold to cover chair seats. 50 inches, \$2.75



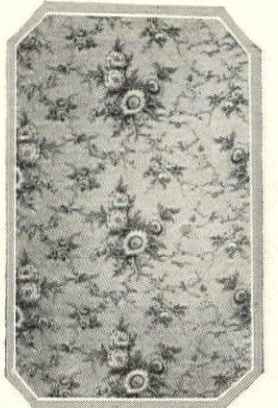
Left. Cross stitch print, white, blue or tan ground, design in red, blue green and lavender. 32 inches, \$1. Below. Casement curtains, yellow file net with cross stitch design and fringe. 38 inches wide, 2½ yards long. \$13 a pair



Curtains of gold colored lustre marquisette edged with green material, plain, 50 inches wide, is \$3.45. With an allover lace design, 46 inches, \$5.20 a yard



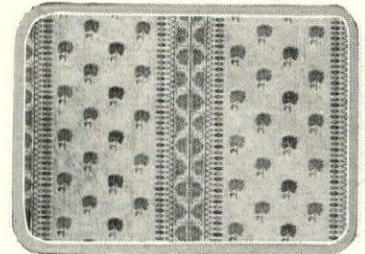
Glazed chintz, green ground, flowers in rose and blue, 31 inches \$3.60



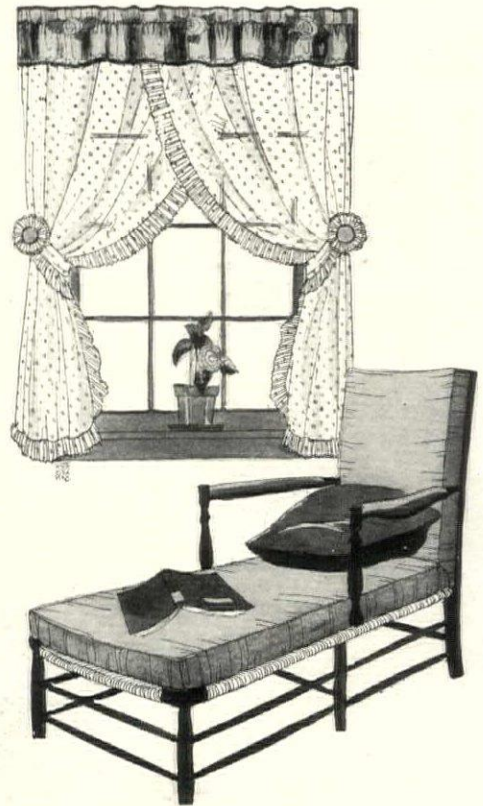
Chintz, tan ground, flowers in rose, mauve and yellow. 36 inches, 99c a yard

NEW FABRICS

The fabrics shown on these two pages may be purchased through the HOUSE & GARDEN Shopping Service, 19 West 44th Street, New York City. A service charge of 25 cents on articles up to \$10 and 50 cents on anything priced at \$10 or over is included in the prices

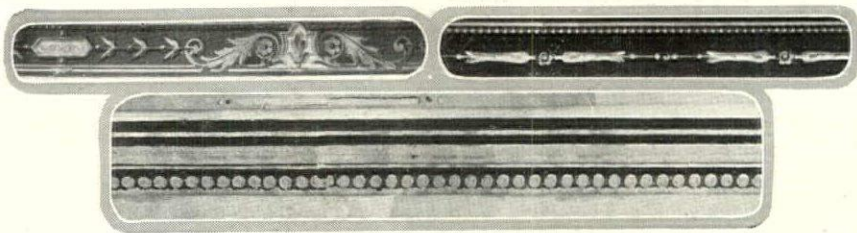


Right, above. Sunfast cotton fabric for upholstery. Yellow, natural or green ground, flowers in red, blue and green. 50 inches, \$4.60. Below. Ruffled curtains, dotted grenadine, \$8.50 a pair. white or ecru. Muslin with colored dots, \$5.25 a pair, 2½ yards long





A charming paper for a country house has a pale blue ground with white lilies and pheasants and flowers in delicate colors. The border is in tones of dull red and blue. These border papers are used on plain walls, with paper panels and on screens



Three striking border papers. Left. Green ground, design in café au lait and gold. Right. Green ground, white and tan design. Below. Turquoise ground, purple and pink stripes

BORDER PAPERS FOR PLAIN OR paneled WALLS

PAPERS FROM NANCY McCLELLAND



In a small house in Versailles a border paper in green and magenta is used at the chair rail and cornice

A border paper in a vigorous design on a black ground outlines the wood panels and Directoire paper in the room below





The drawing room of Sotterley is paneled in white-painted pine, with beautifully carved shell niches and an interesting mantel and chimney-piece, all done by a Colonial craftsman in the spirit of the then youthful English Renaissance



The furnishing and re-decoration of the dining room have been done with a fine feeling for its period, yet without that conscientious consistency which often gives re-invigorated old houses a self-conscious and museum-like quality

AN EIGHTEENTH CENTURY HOUSE IN SOUTHERN MARYLAND

THE RESIDENCE OF HERBERT L. SATTERLEE



The study, paneled with dignity and simplicity in pine and painted white, has been appropriately hung with Colonial prints and set with English furniture of the period. It opens directly upon the long terrace and garden beyond



The principal feature of the entrance hallway is the mahogany stair-rail carved in an extraordinary design by John Bowen, a King's convict, who was also the artisan of the more conventional paneling and carving elsewhere in the house



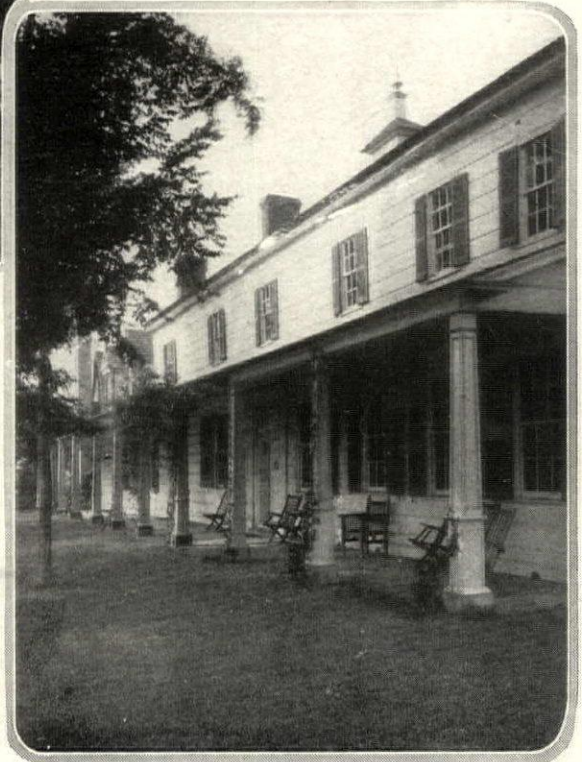
When George Plater built Sotterley in 1730 the West Shore of Maryland was clustered, though sparsely, with beautiful houses

This lovely brick gable end shows the unusual lowness and grace which have been given the roofs of the wings protruding



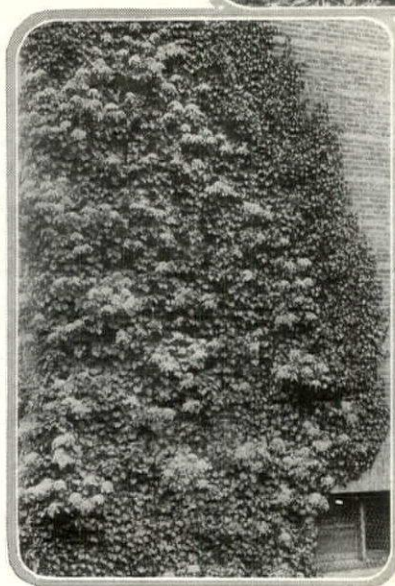
A small cupola above the white clapboarded facade, set with the carved crest of the family, marks the house's main entrance

From the long, brick-paved terrace a view may be had, under the grove, of the broad Patuxent River flowing to the Chesapeake

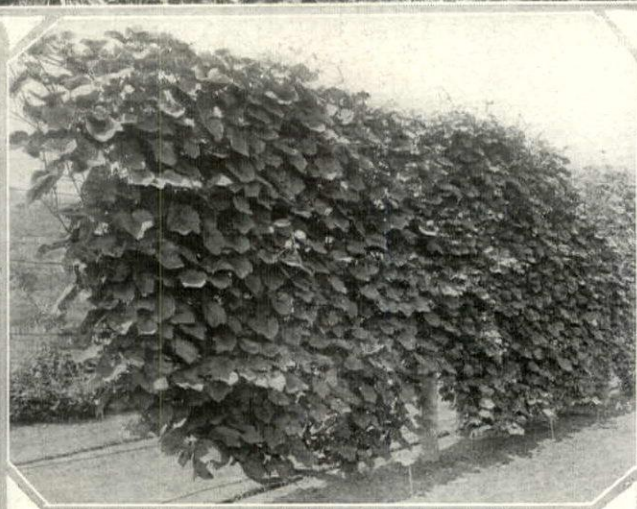


SOTTERLEY
 ST. MARY'S
 COUNTY
 MARYLAND

With its luxuriant growth, its scarlet autumn foliage, and with its black edible fruits, *Vitis coignetiae*, the Gloryvine, is one of the finest vines



Climbing Hydrangea, *H. pe'iolaris*, likes northern and western exposures, clings nicely to walls, and spreads itself with large white flower clusters in summer



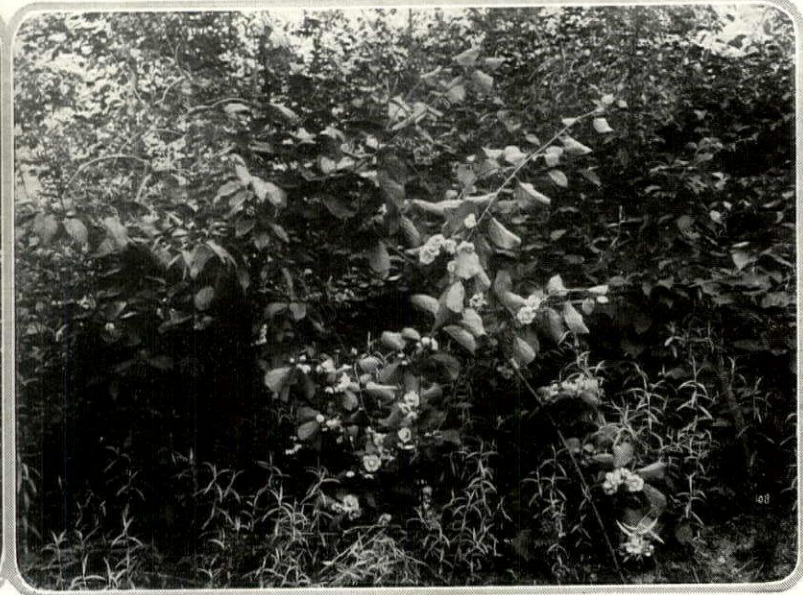
The beautiful heart-shaped leaves of the Gloryvine are among the most decorative of all climbing plants. Tendrils dart in graceful flights from the compact foliage

Japanese-Hydrangea-vine, *Schizophragma hydrangeoides*, resembles *H. pe'iolaris* but is smaller and lovelier



A glorified Honeysuckle newly introduced here from the Orient is *Lonicera tragophylla*, with its splendid heads of fragrant, long, rich golden-yellow flowers

One of the best of the new climbers is *Actinidia chinensis*, the Yangtao, which is white flowered and fragrant



HARDY CLIMBERS FOR THE GARDEN

From the Magnificent Wistarias to the Robust and Decorative Grapes there are Vines for Every Kind of Situation

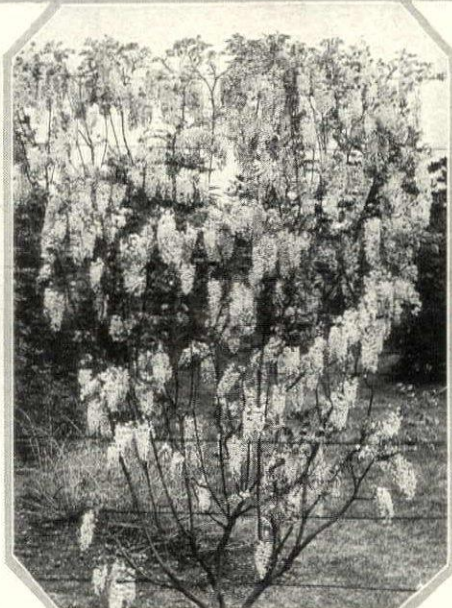
E. H. WILSON, V. M. H.

CLIMBING plants produce the most effective of all garden pictures and the nearest approach to tropical luxuriance attainable in northern gardens. Also they are of much value in screening from view or clothing with verdure objects not pleasing to the eye. The one difficulty is the provision of proper support for them to grow upon. Neat posts made of reinforced concrete and firmly inserted eighteen feet apart in the ground with stout copper or galvanized wire run through make a lasting trellis which, if ten feet high, will serve for all the perfectly hardy stem-and-tendrill-climbing plants. Climbers so planted display their beauty to the best advantage and this arrangement will form an excellent screen to the garden or it may be placed so as to form an avenue or arbor. Such a trellis, probably the simplest and strongest vine support, is illustrated in the center of the opposite page. Where one desires to preserve architectural relationships between house and garden more closely than this plain style is able, or where the feeling of the situation requires a different type of trellis, then the elements in this design which make it so successful in a practical way should be kept in mind. For whether the variation is a lattice in wood or wire, or a series of posts and chains, strength, adequate tendrill-hold, real support for vines, are the essential factors in devices of this sort, however consciously decorative.

Under the lee of a stone fence is an ideal site for all sorts of climbers and a far greater number will thrive under such conditions than on a trellis. Hook-climbers and many stem-climbers do well and look most effective if planted among or on top of large boulders where they can develop into a dense tangle. On such rocks if planted at the base, root-climbers and those which have discs at the ends of



In Japan the pale purple racemes of Wistaria floribunda macrobotrys hang, as here, in gorgeous, fragrant clusters, sometimes more than five feet long



A hundred years ago Wistaria sinensis was brought to this country from China, and has since become the most popular of all flowering vines



their tendrils do well. Root-climbers also thrive on the north and west sides of buildings and likewise on trees but in the latter case it should be borne in mind that sooner or later it means the death of the tree by strangulation and suffocation.

The most beautiful of all climbing plants hardy in cool temperate regions is Wistaria with multitudinous clusters of purple or white flowers. No plant blooms more abundantly and none other gives to the house or garden such an air of tropical luxuriance. Wistarias are natives of eastern North America and of China and Japan. The American species were first known and it was to them that the generic name Wistaria was given in honor of Dr. Casper Wistar. In 1818, *W. sinensis* was brought from China to English gardens and became the favorite of its family; indeed, nowadays, comparatively few people know that in eastern North America there are native species of Wistaria, so completely have their oriental relatives surpassed them in popular appreciation.

In scenes of Japanese gardens and temple ground and in Oriental paintings and embroideries most people are familiar with a Wistaria having very long racemes of flowers. This plant is known generally as *Wistaria multi-juga* but is really a garden form of the common wild Wistaria of Japan (*W. floribunda*) and correctly should be called *W. floribunda* var. *macrobotrys*. The type is abundant on the margins of moist woods and thickets and especially by the side of streams, ponds and ditches virtually all over Japan and has racemes of pale purple flowers one and one-half feet long. The forms with white and pinkish flowers with

(Continued on page 120)

The white-flowering form of Wistaria floribunda, as hardy as it is lovely, presents one of the most amazing sights of late spring

GLOS FABRICS FOR THE HOUSE

*An Outline of the Various Textures in Artificial Silks
And the Uses to Which They May be Put in Decoration*

MR. and MRS. G. GLEN GOULD

ARTIFICIAL silk has at last achieved a name of its own and will in future be advertised and sold by merchants and manufacturers as GLOS, pronounced like gloss. According to official figures it seems to bulk only one-fifth less than silk in the world of commerce, but the impression is general that glos already exceeds the use of silk and is mounting in importance with extraordinary rapidity.

There are comparatively few persons who can tell silk fabrics from those made of glos, except in the cheaper, coarser grades. These have a stiff feeling, take a stiff fold in drapery, have a very glassy sheen, and a slippery feeling, while silk takes a softer fold and has less glaze to its sheen, except when given a very high lustre under heat and pressure for special fabrics. It has been complained, too, that glos fabrics are apt to pull apart or "slip." If they do, this is no fault of the fibre itself but of the way it is woven. Silk will do the same thing when badly woven.

GLOS is mechanically prepared cellulose, which is obtained from natural plants or trees. The cotton plant and the spruce tree are largely its sources. Spruce is made into wood pulp which is reduced to cellulose, and then run out in a fibre that can be wound into a continuous thread of any length and of any thickness or fineness required for weaving. It is from one-third to one-half as expensive as silk but considerably more expensive than cotton. A good deal of suspicion and not a little onus has attached to this product, during the ten or more years it has been a commercial factor in the textile trade, from the fact of its being an "imitation." People who could afford real silk shunned its imitation—when they knew it. Many persons undoubtedly have glos drapery and upholstery in their houses who honestly think them to be silk. The very high glassy lustre which recommends it so highly to *hoi polloi* makes it taboo to the interior decorator. Glos is now being deprived both of this glassy shine and the stiffened texture. Manufacturers are preparing to put out a fabric so soft and dull that it looks like a washed silk that has been through many a tubbing. This may meet the decorator's requirement of a dull antique appearance.

The present vogue for dull finished silks will doubtless split before long to go two different ways: one to revert to shiny satins of the Mid-Victorian and even Empire periods, the other to go on logically to the costly silks of India and the Near East, whose soft, downy surface is considered its highest beauty, a beauty which requires almost as much cultivation to admire

understandingly as do fine Chinese porcelains and jades.

Glos is usually advertised and sold under trade names copyrighted by various manufacturers, so that if you ask for a taffeta of glos the salesman, who does not understand what a taffeta weave is, may have no idea what you wish. If the customer is able to explain the sort of weave desired, many fabrics may be shown which the salesman would ordinarily know only by some advertised trade name.

Some of the plain fabrics are:

TAFFETA. A plain over and under weave like darning, made in solid colors or in two colors giving changeable effects. It is also woven in *strié*, streaked, effects in three shades of the same color or in different colors. Used for over-draperies, bed draperies and spreads, couch covers, cushions, vanity and sewing table accessories, and lamp shades.

SATIN. So woven that the warp, or lengthwise, threads form a more or less solid surface. Glos satins have a very high lustre but may soon be made duller. Changeable effects give interest to this fabric. Silk satins are sometimes woven with a ground of the higher lustre glos in another color making beautiful hangings. *STRIFÉ* satins are also woven. Used increasingly in living rooms as well as boudoirs and sleeping rooms.

GAUZE. Plain over and under weave of thin veil-like texture in solid colors or changeable effects. These have a lively glitter and are well liked for casement windows and French doors. They fold a bit crisply like starched curtains or metal tissues, but this quality seems to be liked, for they sell enormously in oyster color, pongée tones, gold, blue, and rose; the blues often have a warp of black or darker blue; "antique" or dull golds have a tan warp.

NET. A gauze woven with threads spaced more or less widely, producing the effect of a netting. Highly lustrous nets are used popularly for curtains, not only for casements, but in various changeable effects as cheap over-draperies.

MARQUINETTE. A somewhat heavier fabric than the old marquissette weave, often called net; given an up and down ridged look from the cotton warp threads. The woof, crosswise threads, is glos lightly crinkled or crimped. The glos and cotton threads may be of different colors. Much used for inexpensive over-draperies in gold, buff, blue, green, and rose.

FANCY WEAVES. A number of plain fabrics are made in fancy weaves giving pebbled, stippled, and other effects, in

single or changeable colors. These may be very thin for casement curtains or a little heavier for over-draperies. Much used for sun parlors and breakfast porches. This is the "popular drape" for the victrola or radio. Coarse and rough effects are produced by weaving in uneven or matted threads, making a fabric well liked by decorators for hangings.

STRIPES are woven in every type of these fabrics, taffetas being in great demand, as are satins. Striped and blocked gauzes are popular.

GAUZE. Figured gauzes for casements and French doors in panel designs or by the yard are very popular. It seems possible that the vogue for things Spanish having lent interest to Spanish laces, has attracted attention to glos laces which suggest them. Their use is increasing.

DAMASK. A fabric in which the figured design has a satin weave on a plain ground or the reverse, as in a table cloth; of a single color or two or more combined. Glos damasks are used in enormous quantities for upholsteries and draperies. Good ones very closely resemble silk damask, having a little higher lustre not easily distinguished even by close comparison.

BROCADE seems to be as successfully woven in glos as in silk. The less expensive glos makes it possible to obtain a heavy brocade hanging with a full rich fold impossible except in a much more expensive silk. The brocade weave originally simulated hand embroidery, but modern brocades are simply figured fabrics and have lost the raised look of embroidery. Broché, brocattelle and lampas still keep something of the outstanding effect of needlework.

BROCHÉ. A light weight brocaded fabric with a surface pattern. Few, if any, real broché weaves are attempted by manufacturers, for most of the crisp, thin, wiry figured glos of this type is really light weight brocades.

BROCATELLE. A heavy figured damask with a raised design. This weave too is being tried out experimentally. One manufacturer offers a damask resembling a brocattelle in an effective gun-metal gray.

LAMPAS. A very heavy upholstery damask with jute and other heavy fibers introduced to add thickness. This ancient Chinese textile is being revived. A strikingly designed lampas is just out this season.

TAPESTRY for heavy upholstery combines glos with wool, cotton, etc.

Velvets and other pile fabrics have not yet been very successfully woven in glos for household use, as the pile tends to lie flat, instead of standing upright; but

(Continued on page 102)



Drix Duryea

The walls in the dining room of the Bliss house are old white and the hangings faded red silk. Other color notes are introduced by the painted screen in blue-green, gold and silver and the gros point seats on the antique Chippendale chairs. A fine example of an Adam console and pedestals with carved urn knife boxes occupy one side of the room



This effective and dignified group is in the library of the same house. Blue walls, arched doors with carved fan motifs, a Colonial black marble mantel and bookshelves set into panels on either side of the fireplace make a charming background for the comfortable, chintz covered furniture and Italian and English pieces. Elsie Cobb Wilson, decorator



The charming and very livable room above is the children's sitting room in the Cornelius N. Bliss house. The paneled walls are white and the curtains blue glazed chintz made with pleated ruffles and tie backs. On the overstuffed furniture is an old chintz in soft, dull colors. The rug is neutral in tone and the furniture Eighteenth Century Italian



In the library of the same house is an interesting and nicely balanced group consisting of an old Sheraton secretary bookcase with brass grilles, two small Italian walnut tables and a pair of old English globes. The graceful arched windows are hung with copper colored antique silk and the walls are blue. Elsie Cobb Wilson was the decorator of the house

RESTORING A NEGLECTED WOODLAND

How Careful Planning and Planting Brought Back

Its Native Charm to a Dilapidated Farm Wood-Lot

HERBERT DURAND

THIS is the story of a neglected ten-acre wood-lot and what was done to restore its original charm and transform it into the sylvan paradise it is today.

Four years ago last October I received a letter from a dear old lady who has a summer home in the hill country, about seventy-five miles north of New York City. The letter said, in part:

I want you to come up here and see my woods. They don't cover much ground and they have been badly treated, but there are still many magnificent oaks and maples and any number of beautiful bushes, wild flowers and ferns.

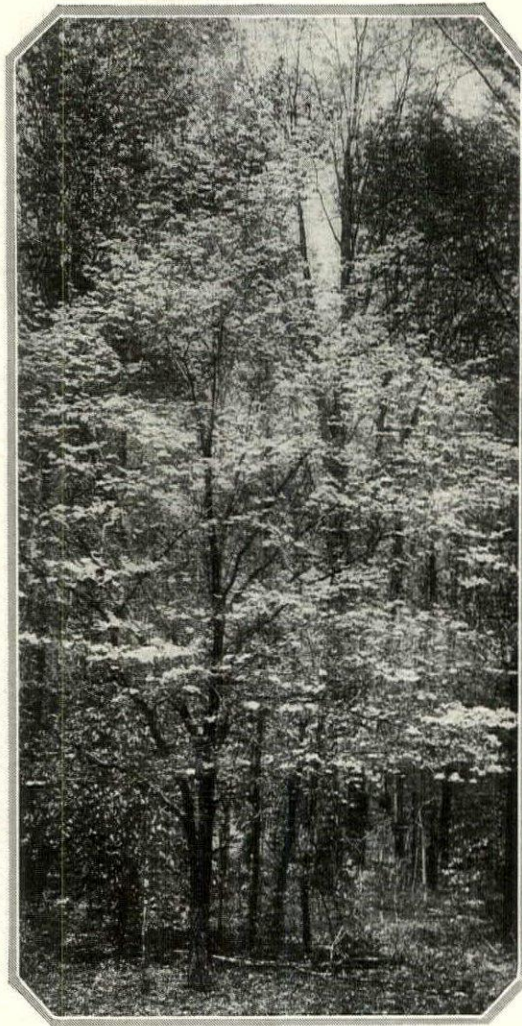
It is my dream to make these woods a delightful place of quiet retreat, with frequent rustic seats and shelters. There must be cool, shaded rambles and pleasant, open glades, where the trees and flowers, the birds, and all forms of wild life can be enjoyed and protected. And I want to have their variety increased and their beauty enhanced. Won't you come and help me?

This letter indicated that here was an owner who realized and appreciated the esthetic and recreative value of her bit of woodland. It convinced me that she would undertake its improvement with enthusiasm and make all necessary provision for its maintenance and permanent welfare. So I was glad to respond to her call.

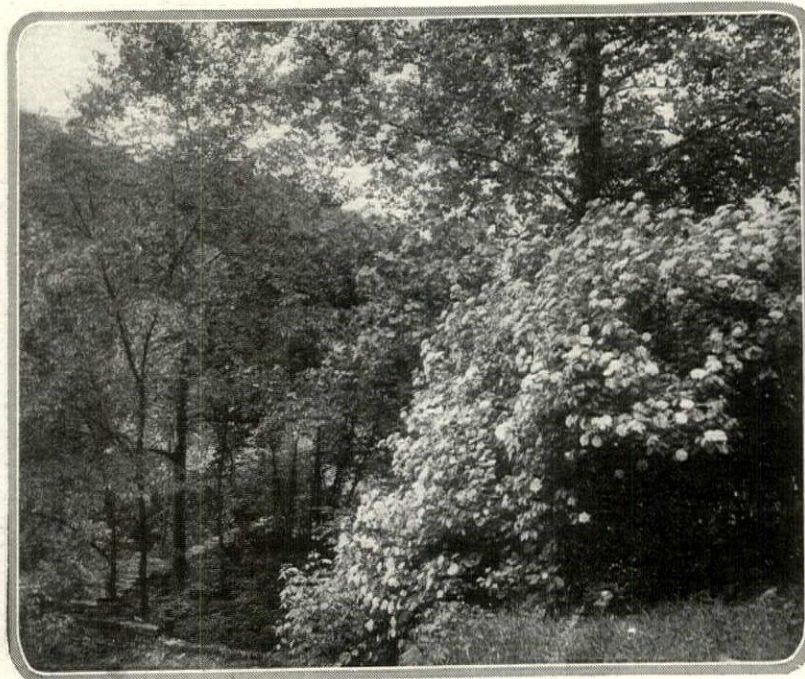
The place is a modernized upland farm. It is typical of thousands of recently acquired "estates" lying within easy motoring distance of our large cities. The grounds about the attractive Colonial residence are "landscaped" in conventional fashion.

The woods were, of course, what was left of the old farm wood-lot, and I found them in a most deplorable condition. In many places the snarl of brambles, weeds and trash was almost impenetrable, and there was a pervading aspect of desolation and decay, accentuated by the stark boles of numerous lifeless trees.

Obviously, the first thing in order was a general clean-up. We were fortunate in finding an intelligent and reliable contractor for this usually destructive proceeding who followed instructions strictly and did the work carefully and to our entire satisfaction. Rubbish



A fine Dogwood at the thicket edge opens countless white blossoms in the May sunshine. The open area below it was later filled with a planting of native shrubs



At the entrance to the Sanctuary path a full-grown Withe-rod points downward toward the brook. In June its branches are heavy with flower panicles

heaps, the accumulations of years, were carted away. Dead and dying trees were cut down, sawed into portable lengths and hauled to a nearby pasture, to be converted later into firewood. Dead branches were lopped off otherwise healthy trees and added to the woodpile. Then each man was given a pair of gloves and a mattock, and a determined onslaught was made upon the numerous tangles of poison ivy, cat-briars, black-berry bushes and interloping weeds. This is always an exasperating job, but we kept at it until every visible plant pest had been grubbed up by the roots and consigned to the flames. It pays to be thorough with such nuisances. Cutting them down with a bushhook (the usual practice) merely increases the number of shoots and causes them to grow more vigorously than before.

The next step was to prepare an outline map of the area on scale paper. The old lady, after much rummaging, produced a blue-print of a survey, which helped to define the boundaries and saved a lot of measuring. We then explored every nook and corner of the woods, and with the aid of a pocket compass and a steel tape, located on the map the following natural features:

The course of a clear, mountain brook which meanders through the eastern half of the tract.

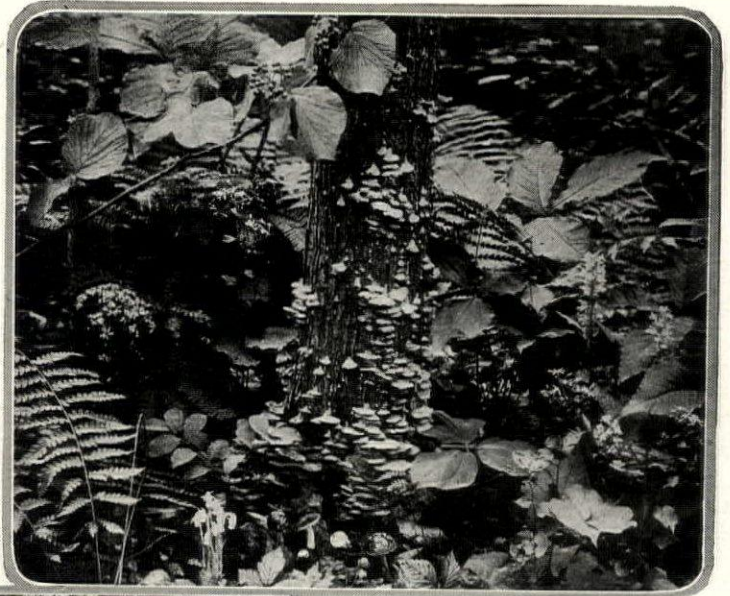
Two picturesque rock outcrops and a number of huge, moss-grown boulders. Individual trees of notable size and beauty.

Several fine groups of both deciduous and evergreen trees, over-arching embryonic glades.

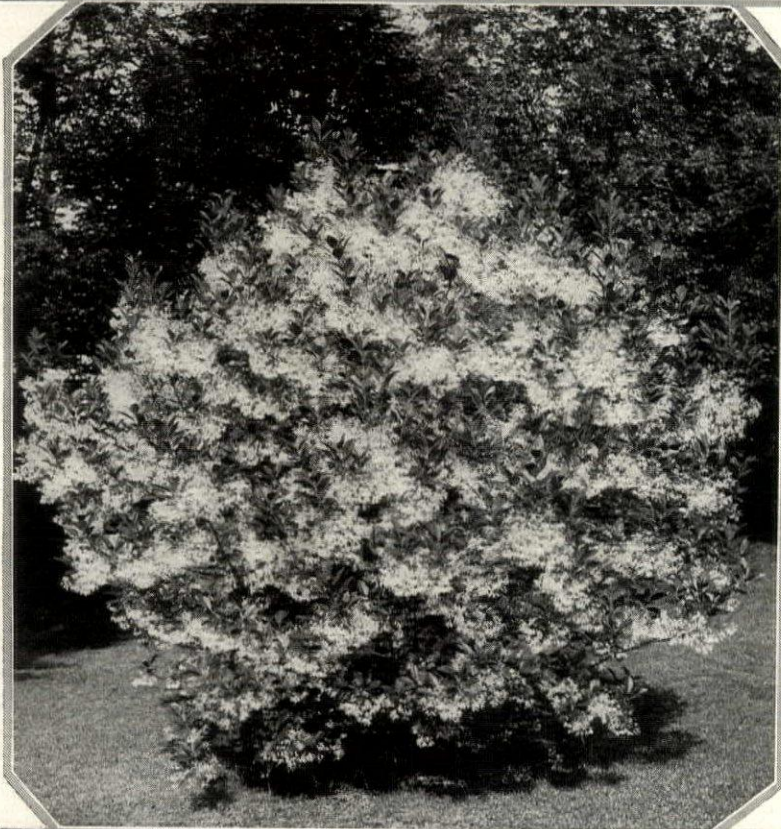
Particular attention was given to the character, texture and chemical reaction of the soil, which was found to be intensely acid on the oak and pine-clad crests of the ridges, less so on the slopes, practically neutral in the low places and slightly alkaline on the sunny, southernmost rock outcrop. Notations accordingly were made on the map and lists were prepared of the indigenous bushes, ferns and flowering plants prevailing
(Continued on page 138)



Under the hemlocks in the Sanctuary, where they are hidden from the sight of chance intruders, flourishes a happy colony of pink Ladyslipper, one of our increasingly rare native flowers that are in need of protection



As an illustration of real wild-flower conservation, this nook is shared by two species of Fungi, three of Ferns, a Hobblebush, Purple-fringed Orchis, Indian Pipe, Trilliums, Bellworts, Woodland Aster and Swamp Blackberry



Shining Sumac is excellent for border plantings where, with Mountain Ash, Sassafras and other native trees and shrubs, it keeps out drying summer winds and winter storms. As a decorative growth it has few equals

In June the clouds of bloom on the Mountain Laurels give the impression of long snowbanks. Even during winter this hardy broad-leaf shrub greets the eye with the sight of living green, always welcome at this season



The White Fringe is one of our most effective native species. A superb specimen of it stands close to the entrance into the reclaimed woodland where its cloud of blossoms forms a delightful introduction to what lies beyond



WHAT TO KNOW ABOUT WOOD FLOORS

*Simple Facts of the Material and Construction of Floors
That a Prospective Builder Should Understand*

MATLACK PRICE

IT is safe to say that people would find less cause for after-worries and after-complaints in their building enterprises, if they were to use logic and reason in determining the causes of the disappointments they may experience. The wish to economize to the limit is often necessary (even when immediate economy may prove poor ultimate economy), but with their cost-slashing zeal people should also bear in mind the consciousness that building economies must result in many compromises, and that if they have decided to save five hundred dollars on flooring, for instance, they should not feel resentful if their floors look half as handsome as they might have looked on an expenditure of a thousand dollars.

But before considering various kinds of woods usually used for flooring, how about the carpenter work that precedes the laying of the finished floor? All other things being equal, any floor is as good as its underpinning, as good as the structure over which it is laid. If a floor is laid on joists that are of too small dimension, or too widely spaced, or inadequately cross-bridged, the finished floor will sag and squeak and give under foot and open up cracks, whether the boarding be fine selected oak, or the least expensive substitute.

Integrity of construction rests largely with the contractor, and poor construction is often one of the bad economies of accepting the very lowest bid. It is often, too, the besetting sin of the speculative builder, whose interest in the enduring qualities of the houses he builds does not live beyond the date of sale.

IN the cellar of a house, looking up at the bottom of the floor above, you may have noticed, between the floor beams, or joist, small wooden braces, nailed in cross-wise, like an X. This is called cross-bridging, and in a well built floor there is plenty of it. It stiffens the whole floor structure, and characterizes good building, while insufficient cross-bridging, or none at all, characterizes bad building. The cross-bridging of the joist of the upper floors you cannot see in a finished house, because the ceilings below conceal it, but it can, and should be noticed in a house in construction. If you ever notice an old house, built as long ago as the eighties, being demolished, you will see row upon row of sturdy cross-bridging between the floor joist, and you will also see much heavier dimensioned structural lumber. Neither lumber nor labor cost so much in those days and people almost made up in good construction what they lacked in architectural taste.

So then, if your floor is badly framed, meaning inadequately constructed as to

the spacing and bridging of the joist, do not blame a bad floor on oak or pine or whatever finished flooring you select.

Floors, too, should be laid double—the finished floor over an under-flooring, with building paper between. This would seem obvious, perhaps, and no doubt many people who think about it at all think that all floors are laid double. Again the too-close contractor and the speculative builder sometimes figure a small saving here, and the result is not a good floor. Under-flooring, usually six or eight inches wide, ship-lap, is laid diagonally on the joist, and where a sound-proof floor, or a floor especially exposed to cold beneath is laid, building or deadening felt should be laid between the under and finished floor, instead of building paper. And where building paper is used, good builders advise against any of the rosin-sized papers for between-floor use.

THE woods most used for finished flooring are oak, hard pine, birch, red gum, maple and beech. Of these, oak is oldest in lineage as a flooring material, and hard pine the most used. If it were not for expense, the seeker for the unusual in flooring could borrow the custom of the West Indies and floor with mahogany, or of the Far East, and floor with teak, which, in the days of wooden vessels was a great ship-building wood.

READERS wishing to secure direct data on flooring and floor finishing will do well to write for the following booklets.

- "Beautiful Birch for Beautiful Woodwork". Northern Hemlock and Hardwood Manufacturers' Ass'n., Oshkosh, Wisconsin.
- "Red Gum". American Hardwood Manufacturers' Association, 1339 Bank of Commerce & Trust Bldg., Memphis, Tenn.
- "Beauty Plus Service in Floors". Southern Pine Association, New Orleans, La.
- "The Perfect Floor". The Long-Bell Lumber Co., R. A. Long Bldg., Kansas City, Mo.
- "How to Lay and Finish Maple, Beech and Birch Floors". Maple Flooring Manufacturers Ass'n., Stock Exchange Building, Chicago, Ill.
- "Modern Oak Floors". Oak Flooring Mfr's. Ass'n., 1014 Ashland Block, Chicago, Ill.
- "The Proper Treatment for Floors, Woodwork and Furniture". S. C. Johnson & Son, Racine, Wis.
- "A Book of Painting and Varnishing Specifications" (50c). Sherwin Williams Co., 116 W. 32nd St., New York City.
- "How to make your floors, furniture and woodwork beautiful". The A. S. Boyle Co., Cincinnati, Ohio.
- "Architectural Varnishes, Stains, Fillers and Enamels". Standard Varnish Works, 443 Fourth Ave., New York City.
- "Modern Wood Finishing". E. I. Du Pont De Nemours & Co., Inc., Wilmington, Delaware.

The floor of unusual appearance here is achieved by the use of extra wide oak planks, dowelled at the joints, and with the screw-holes conspicuously plugged with wooden pegs. This type of floor, specially suitable in an Elizabethan or Jacobean room, is simply a revival, like so much of our furniture, of an antique method of flooring which was evolved before modern mill machinery gave us the useful tongue and groove.

THE standard dimensions of oak flooring today are two inches or two and a quarter inches wide by thirteen-sixteenths of an inch thick, and one and one half or two inches wide by three-eighths of an inch thick. These narrow oak boards are not only tongued and grooved on their long dimensions, but milled for end-matching with a tongue and groove. It is thus possible to blind-nail the entire floor. Blind-nailing means the driving of nails into the tongue of the board so that the groove of the next board conceals the nail-head, and no nails are visible. The nails recommended for use are called "Cement Coated Flooring Brads", and the "8-Penny" size, driven sixteen inches apart are used for thirteen-sixteenth inch flooring, and the "3-Penny" size, driven eight inches apart, are used for three-eighth inch flooring.

The use of White Oak or Red Oak is more a matter of choice than of expense.

Prospective builders should not think of their specifications with the idea that hard pine (usually called Southern Pine, and noted on plans as "Y-P," Yellow Pine) is a cheap substitute material. I have no figures, but conjecture that at least eighty-five per cent of hardwood floors in the United States are of various grades of hard pine. The lower cost of hard pine as compared to some other hard woods is due to the plentiful supply, and not to inferiority as a flooring wood. The best grades are quarter-sawn, and edge-grain pine, and in cases where the scheme of a room does not allow of the natural light tone of pine flooring, it can be stained in any color.

Birch, one of the hardest of the hardwoods, is one of the standard flooring materials, and is stocked in its natural slightly reddish colors, or in lighter coloring, which can be brought to any desired tone by staining.

Red Gum is considered a good flooring wood, because it does not shrink or sliver, wears evenly and smoothly, takes any stain and has an attractive natural grain.

Maple is one of the hardest of all woods used for flooring, and its wearing qualities are often considered as quite offsetting its lack of conspicuous grain or figure. It is often used in parquetry, with other woods.

(Continued on page 134)



Sigurd Fischer

The home of Bertrand Taylor, Jr., at Locust Valley, L. I., of which another view is found on page 54, is a simple development of three units—a middle unit flanked by a service wing in stucco and half timber and a library wing that helps to enclose the terrace

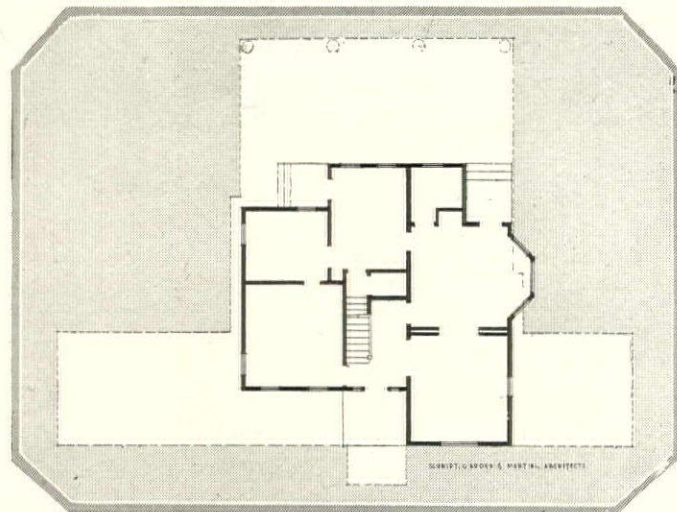
TWO HOUSES
by
H. T. LINDBERG, *Architect*

The home of Mme. Galli Curci at Highmount, N. Y., is a low-lying group in stucco, half-timber and stone of the locality, set on the brink of a Catskill gorge. This entrance front view shows the studio wing; the main portion of the house and the service





Above is shown the house after it had completed the first stage of its development from farmhouse to, ultimately, a country house of considerable size



The white space beyond the floor plan of the original house shows the area covered by the projected development of the first stage in its gradual growth

THE COTTAGE THAT GREW UP

From a Small Farmhouse Beginning, But with a Definite Plan of Growth on Paper, This Place Reached its Successful Conclusion.

ONE of the great delights of a country home lies in watching the gradual growth of a well-conceived and carefully worked-out plan. This has been especially true of the house and grounds shown here because their development has been consistent, from farmhouse beginnings to the present well-equipped country place of ample proportions.

The first small dwelling was remodeled several years ago. This step decided the architectural character of the house and gave it the domestic charm of a liveable home, its size seemingly lessened from the outside because of the low eaves and one story wings. The plan of the original house was very simple; but there are latent delights in almost every building to the careful

home seeker who cooperates with his architects, and in the first stage of this development there were found to be many. The addition of the symmetrical wings gave unusual interest to the house besides making a practical plan.

There are three things for which an architect strives in planning a successful dwelling, no matter what its size. First, a private home-center, or living room, away from the interruptions of the occasional visitor. In larger houses a reception room may be provided to keep the principal living rooms free, but as the house diminishes in size, a solution must be sought in other ways until in the smallest houses it is often accomplished with a simple vestibule. The second desirable feature lies in pro-

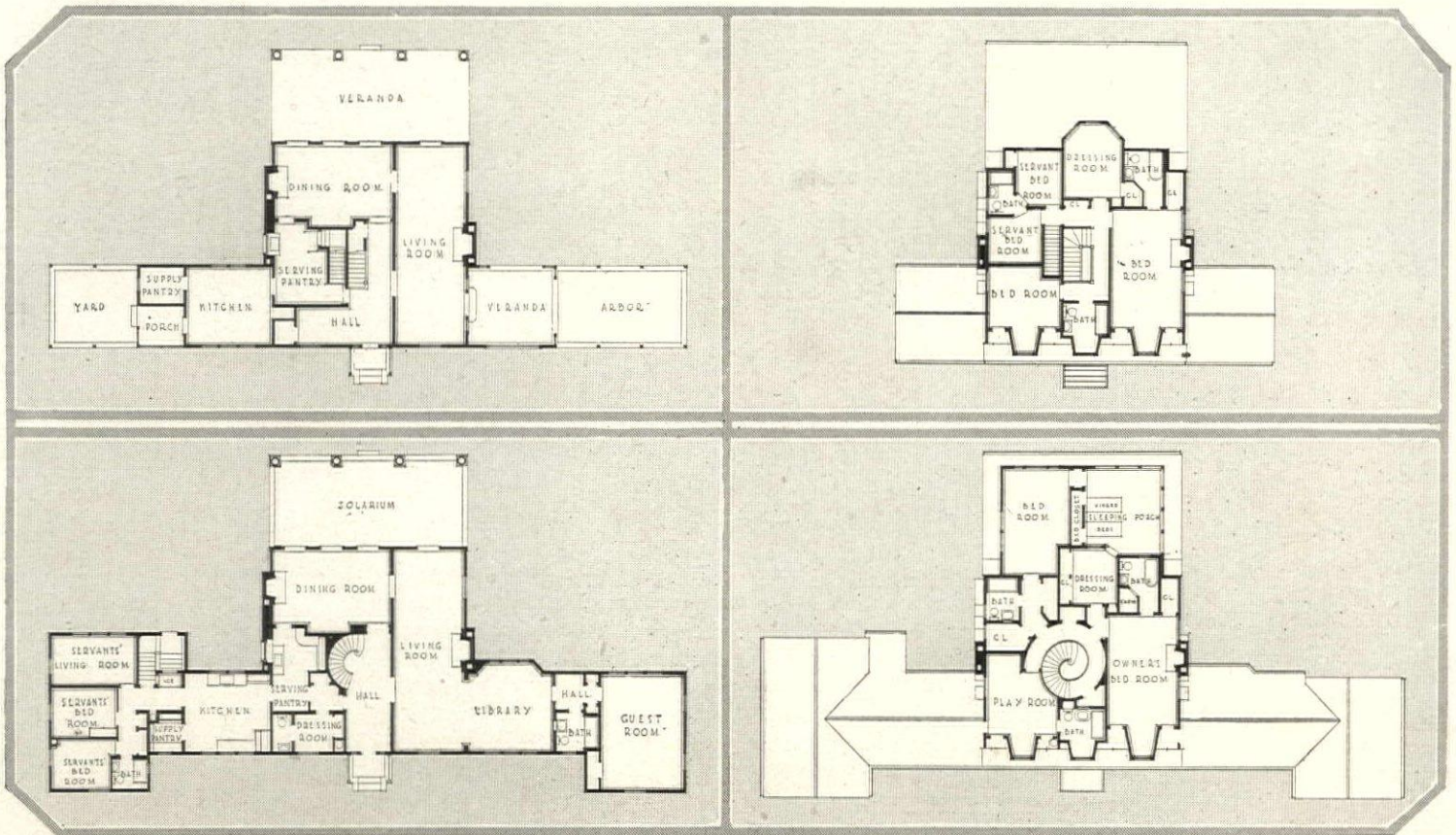
viding convenient access from the service rooms to the front door and upstairs without disturbing in any way the family living rooms. The logic of this is obvious whether there are many or no servants. There is some dissension over the third feature—a dining room which can be practically, if not entirely, closed off from other living portions of the house. All of these features obtained in the first enlargement, along with many others that help to make a good plan, not the least of which is the three-side exposure of the living room.

The skill with which the final enlargement was made is shown in the photographs and floor plans. Nothing is lost and much is gained. The family rooms on the second

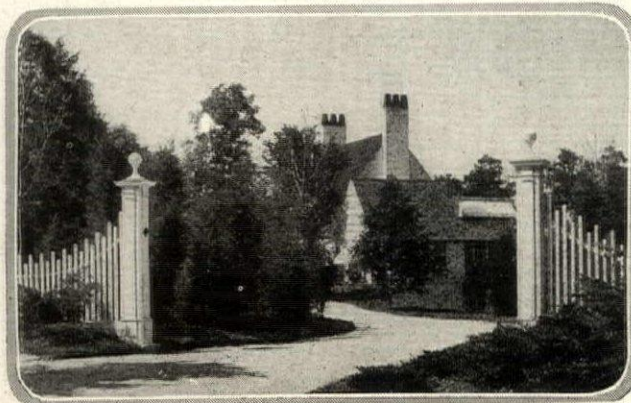
(Continued on page 96)



The house as it stands today, long, spreading, gracefully composed, and faced with white stained shingles, still preserves the spirit of its nucleus. Warren D. Owen, owner; Richard Schmidt, Garden & Martin, architects; Jens Jensen, landscape architect



The two upper plans show the first and second floors of the house in the second stage of its development. The stairway has been but slightly changed, but the whole layout of the central structure has been simplified and the rooms enlarged. A short service wing has been added to one side and a porch and arbor to that opposite



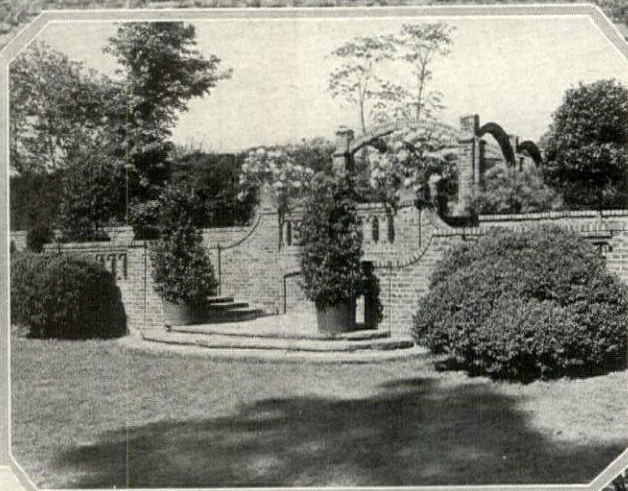
The under plans show the house as it stands today. On the ground the most noticeable change would be that of the lengthened wings and their terminating gabled ends which house the guests and the service. Inside the staircase has become circular, a porch made into a library, and bedrooms added. At the left is the driveway entrance



Gillies

The garden is built almost entirely of brick: walls, paving and seats having been derived from that pleasant material and held together with an interesting diamond-shaped pattern

These steps descend upon the putting green. On their upper level begins a long arbor whose flat and graceful arches have been ingeniously and unusually constructed of reinforced brick

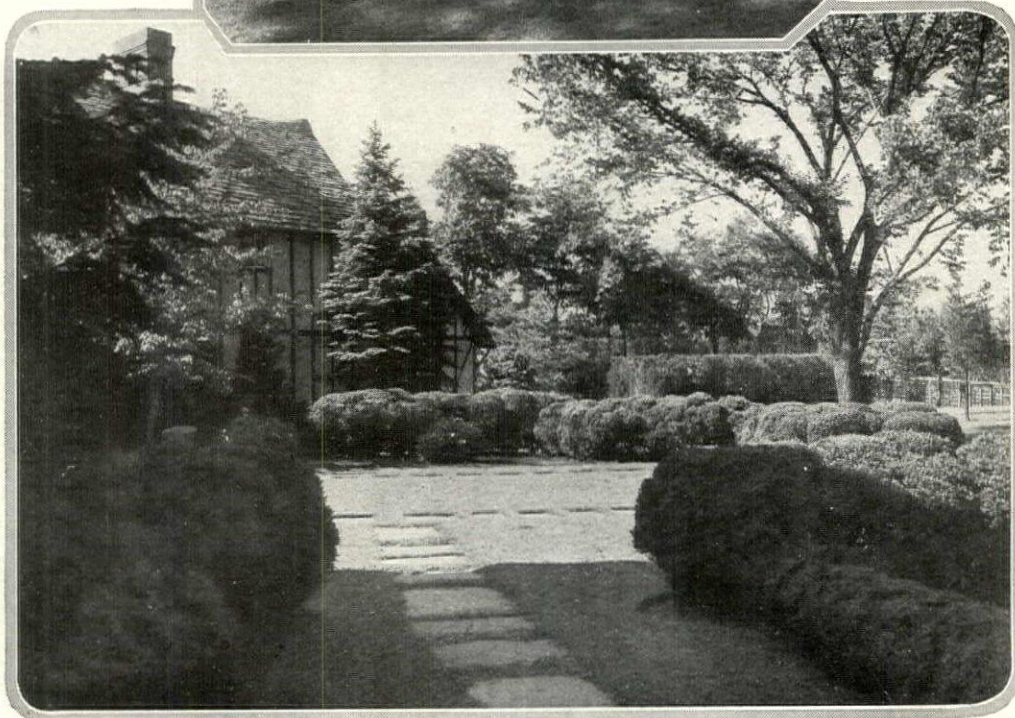


THE GARDENS OF
EDWARD F. HUTTON

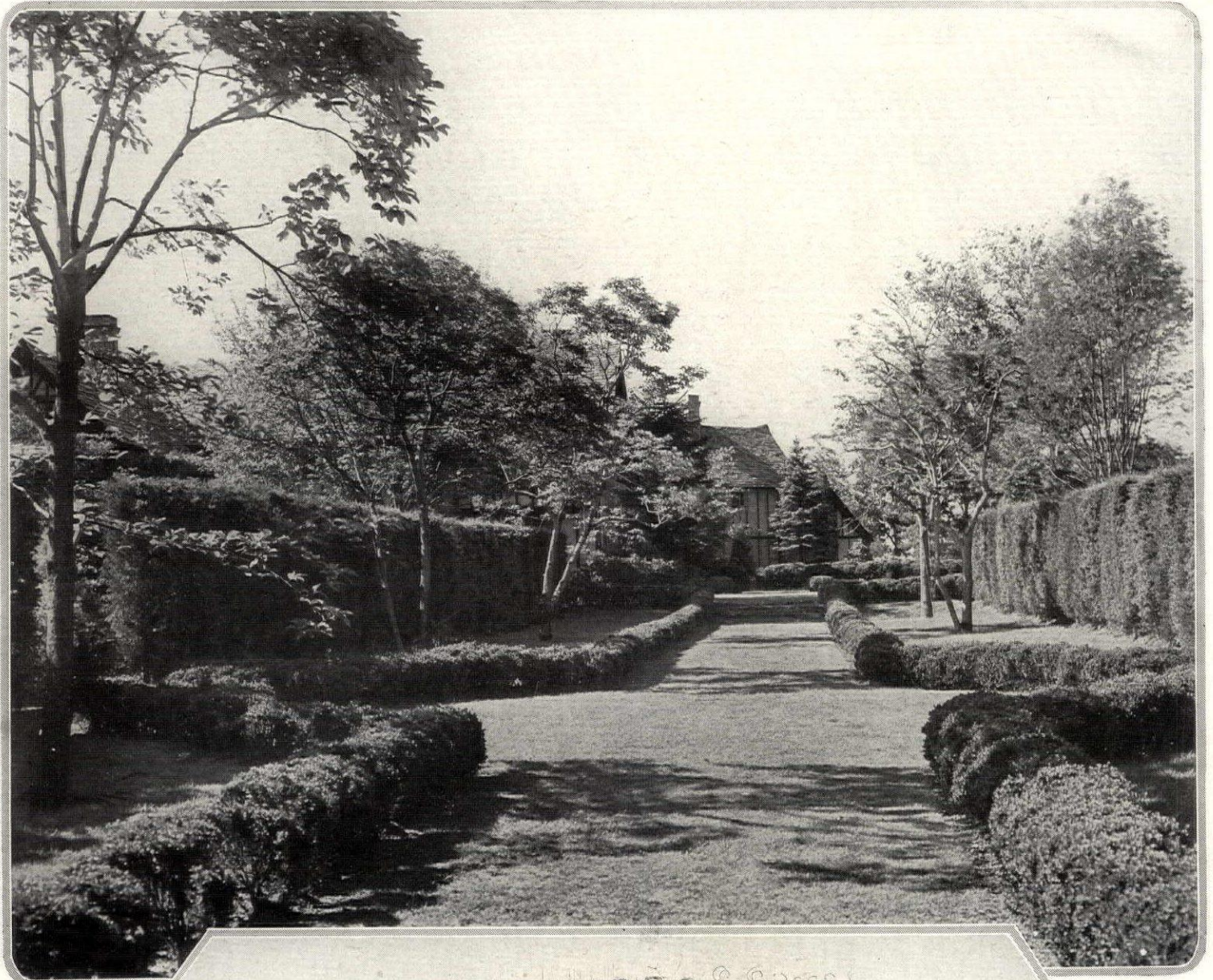
Roslyn, New York

MARIAN C. COFFIN

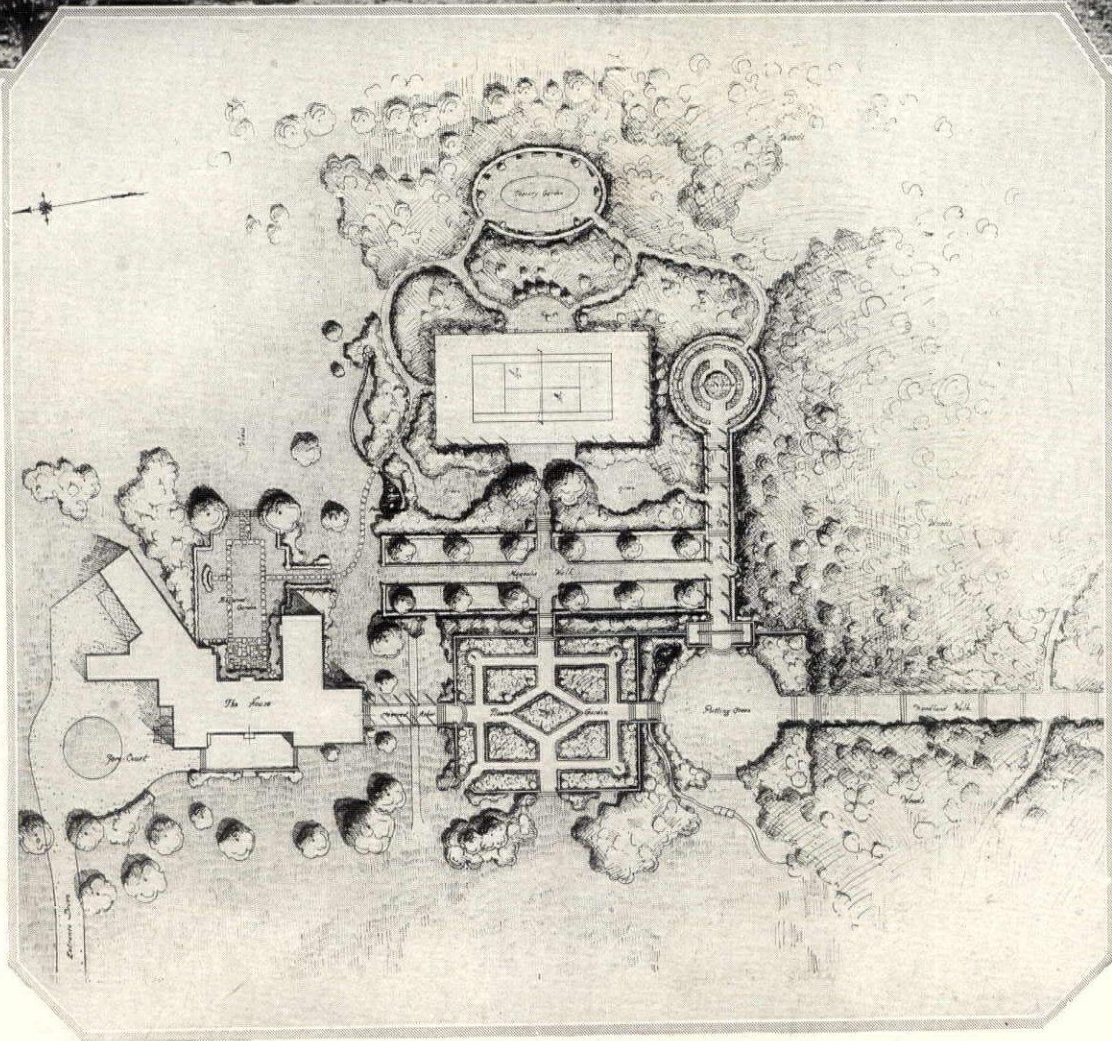
Landscape Architect



A glimpse of the boxwood garden, which springs from a paved terrace on the eastern side of the house, gives an impression of great age to a spot that has existed in this state for scarcely more than a year

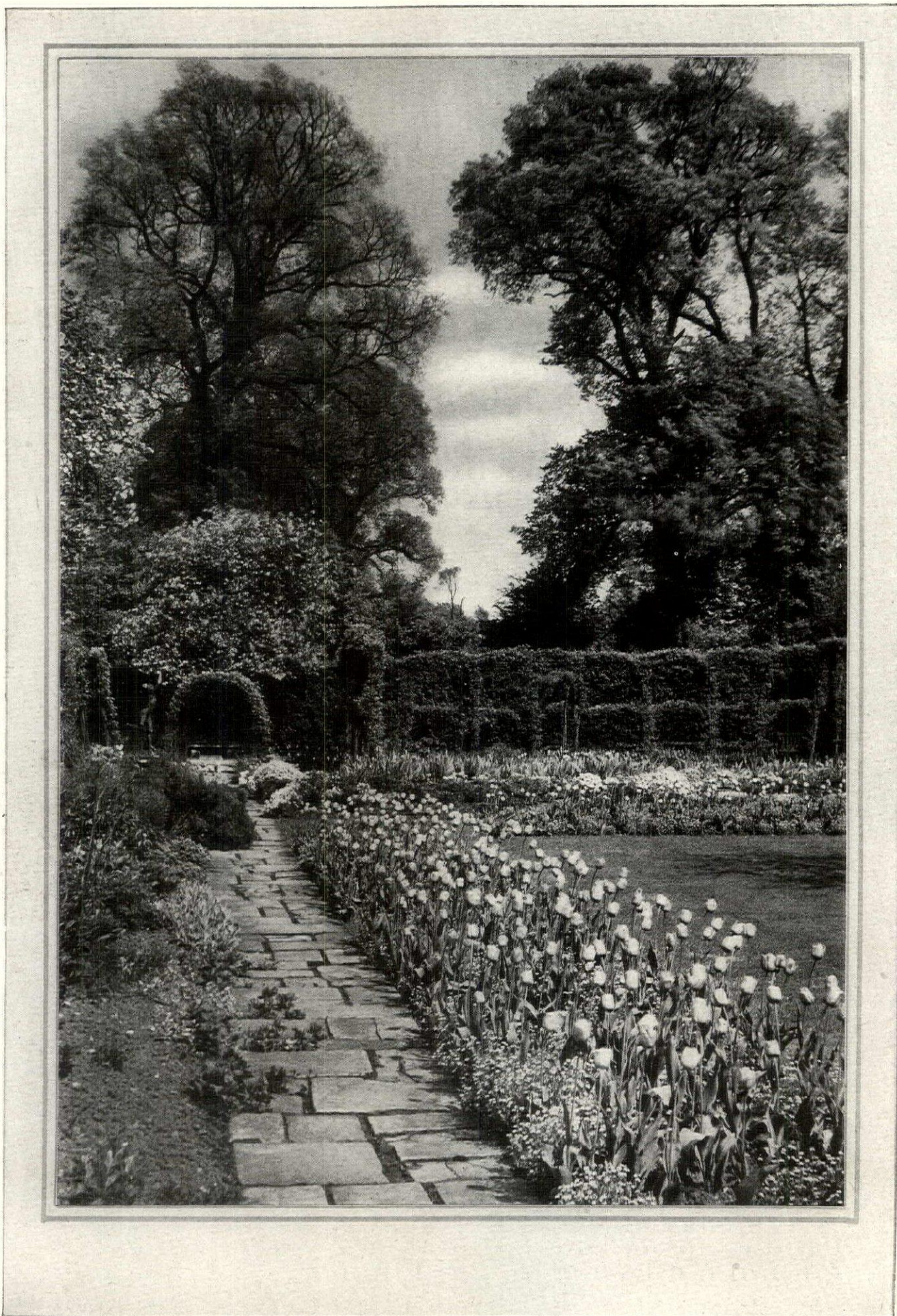


Gillies



The plan of the grounds shows an interesting arrangement of the various parts of the place. The flower garden is the central feature, and from its two axes the skeleton of the scheme develops

Four plant types make the Magnolia Walk a tremendously effective vista: Boxwood, Magnolias, Cedar hedges, turf, and nothing else. At the time of photographing these had been in place a year



A GARDEN IN TULIP TIME

May, the season of Darwin and Breeder Tulips, is one of the most colorful in the garden year. Here the Tulips are planted along the walk that surrounds a lawn. Clipped hedges enclose the garden and tall trees give it background. The mauve, yellow, orange and purple Tulips rise above a feathery ground cover of pale blue Forget-me-nots

LILY CHINTZES

for

SUMMER

BEDROOMS

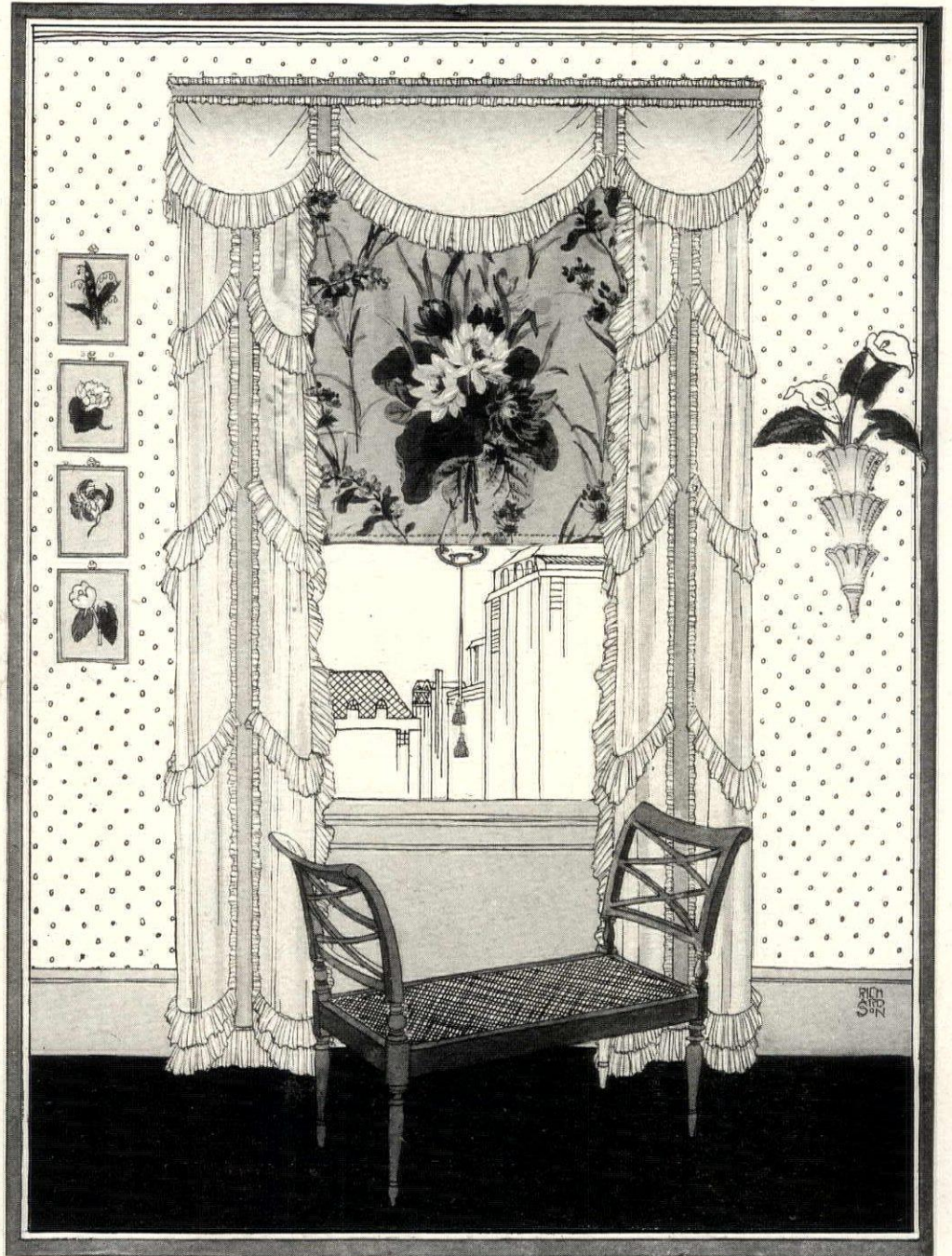
MARGARET McELROY

LILIES, from the gentle Lily-of-the-Valley to the swanlike Calla Lily, are so decorative and coolly colorful that they have been the inspiration for the designs of many charming chintzes. These are especially suitable to summer bedrooms where the effect should be restful, colorful and cool. A color scheme based on the green of the leaves, the soft yellow found at the heart of the flower and the creamy whiteness of the petals would create a restful room as well as a colorful and interesting one. The note of blue might also be added, a clear strong blue, the color of a woodland lake under a June sky. This would in no way detract from the effect of coolness and repose and is charming with green and yellow.

A room of this kind is shown at the top of the page. Here the woodwork is green and the walls are papered in a quaint, old-fashioned paper with a white ground and a design of green polka dots. The curtains, which, in spite of their airy, fragile appearance are both durable and washable, are made of sunfast organdie in a soft green shade to harmonize with both the wallpaper and the glazed chintz roller shade. This has a green ground and a Lily design in white, a little yellow and green. Some blue-green appears in the leaves and there is a spray of tiny bright blue flowers.

In this room the furniture might be painted white with green lines and a chaise longue and one overstuffed chair should be covered in the Lily chintz. Another chair might have a slip cover of blue sateen piped in green and made with a box pleated ruffle. Drape the dressing table in green organdie over white sateen. The organdie should be scalloped and ruffled in the same manner as the curtains. Over this hang a mirror with an old, dull gilt frame. The bedspreads can be of taffeta, sateen or corded silk, the same tone of green as the curtains, scalloped and bound in blue. A little slipper chair done in yellow would bring a bright, contrasting note, and old flower prints, preferably of various kinds of Lilies, might have narrow, bright blue frames. The rug should be taupe color.

This same Lily chintz with a black ground is shown at the right. This would make effective curtains in a man's room with walls and woodwork painted blue-green, the color of the leaves. Furniture painted black with blue-green lines would be masculine and in harmony with the curtains and there should be at least one comfortable chair done in either deep blue-green silk or red leather.



The curtains above are of cool green sunfast organdie trimmed with pleated ruffles. Glazed chintz makes the roller shade. From the Chintz Shop

An old-fashioned paper with a white ground and a design of green polka dots has been used in the room above. From Thomas Strahan



The glazed chintz at the top has a black, blue, yellow, lavender or green ground. It is from the Chintz Shop

(Above) Calla Lilies on green. Wanamaker's. (Left) Lilies-of-the-Valley on yellow or white. The Chintz Shop

Above is a graceful Lily design on a green, gold or orchid background. From Mrs. Gillette Nichols

COUNTRY
HOUSE
GLASSWARE



Harting



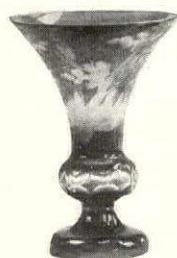
For tea on the porch comes a new icetea pitcher in cool green glass with an attractive ribbed design and an amber foot. The Steuben Glass Works

Vases of every size and shape are in constant demand in a country house, especially one with a garden near at hand. Above is a collection of graceful shapes in clear, deep green glass. From the Steuben Glass Works

At the right is a pair of vases, reproductions of old designs, in opaque glass—soft pale green and alabaster white. This cool coloring is especially effective with white flowers. From the Steuben Glass Works



This vase, made in Czecho-Slovakia, is dark green and white



White flowers look particularly well in deep green glass



THE CARE OF THE FLOOR

The Way in which Floors and Surfacing are Laid, and the Treatment They Receive, are as Important as the Materials of which They are Composed

ETHEL R. PEYSER

THE care of floors and floor coverings is not confined to laying them well and treating them with careful consideration, but includes at the beginning the most intelligent selection. All the care in the world will not redeem poorly chosen materials.

Of all the floors we know, the newest comer, rubber tile, seems to need less attention than any others. Here is a flooring which is adapted to every room in the house, including conservatory and porches, on whose surface nothing seems to make an impression, a floor which does not wear at over-used points, such as the foot of the stairs. The only thing necessary on such a floor is soap and water. Powder or abrasives cannot hurt it, yet it is unnecessary to use them. The laying of the floor is the chief asset in its upkeep: badly laid, it is a curse rather than a benefit.

The linoleum floor, which needs no further eulogy here, is one of tremendous utility in all parts of the home. Whether laid over felt, as is recommended by some makers, or without felt, as is recommended by other manufacturers, it is enduring and delightful. This, too, should be laid, with care, over wood or concrete by skilled workmen.

The two great classes of linoleum are the inlays and prints. The former has the pattern imbedded from front to back, the latter has it printed on the surface only. Therefore you can see which is the most enduring. The printed kind will never wear out but will wash out: therefore a little attention must be given it to keep its face in pristine condition. Linoleum, being made of linseed oil, cork, flour, and other ingredients mounted on a backing of burlap (the silver lining of these mighty floors), it improves on usage if occasionally (once or twice a year) it is sparsely mopped with a floor wax swab, a weighted brush permeated with a good floor wax. This feeds back to the linoleum the elasticity which is apt to go with time, and keeps the linoleum in flexible condition. Of course this floor must be washed regularly with a mild soap. It is wisest to swab off a yard at a time, drying off one yard before entering the next.

ALL linoleum should be in the home for at least forty-eight hours, especially in winter, to insure its acclimatization, so that after it is fixed in place it will have done with any caprice of stretching, or whatever it may want to do. But, as we said before, you should go to a good maker and have an expert install it. A good linoleum floor is a thing of beauty and a joy forever, and we could sing its praises in far more space were it our lot to have it in this article.

As with the above floors so with the tile floor . . . All should be laid with the sanitary cove, or curved finish, where the wall connects with the floor. This sort of joint insures comfortable cleaning and prevents the formation of dirt and vermin haunts.

The tile floor is a regal floor, of course, except that it is a bit tiring on steady pedestrianism and should be covered with mats to give the feet the resiliency that walking on a floor should give. Linoleum, or any of its near relatives, as mats, and rubber mats (of non-skid variety) too, make good ease spots for tiled floors. These floors need washing only, and excellent installations. The small tile wears better for floors where there is much traffic. It is sometimes possible to have a vent in the tile floor, so that a hose which has sufficient water can wash off the floor swiftly and well, without too much work. Sometimes the cement will bob up, but this will not occur in a well laid floor. So again, as with children, the better the initial care, the better the chances for lasting strength.

COMPOSITION and concrete floors, brick and other floors, need washing and swabbing. Some of the brick types are waxed and give a delightful effect and, of course, wear exceedingly well.

There is no doubt that the wood floor carries with it a dignity, intertwined with tradition, that no other flooring has. It is about as old as the marble and stone floors of the ancient Egyptian, Roman and Greek days. In this country we have fallen heir to the old Colonial floors, and floors of other periods, and treasure them because we feel them tied to us with history and family memories. No one can say that the wood floor is not enduring, for there are many in use today which were laid hundreds of years ago.

The reason we have inherited the old and lovely 18-inch planks is that before they were laid they had been seasoned outdoors in no hurried fashion. Today we take no time for real seasoning, which is but subjecting wood to the seasons' caresses. Our wood today is kiln-dried because of the different tempo of our lives in this generation. However, the correct kiln-seasoned wood is almost perfection. "Cut and dried" should have no sinister meaning when applied to wood,—for the best floors are those which are cut and dried to the proper points. Going to the best makers of wood floorings is the best you can do to insure a good floor—and do not pass this suggestion thoughtlessly.

In the case of an old floor, the thing to do, after you have made sure that it is as level as possible, that there are no hazards

or furrows or projecting nails, that all the boards are even, that there are no overlapping edges and everything tightly in place, is to give it the finish that will last. There is a long process and a short one, and the short one is very popular now. Engage a man with an electric scraper. This takes off the old finish, spots and discolorations. If the floor is still imperfect, let him go over it again and perhaps apply some oxalic acid if stains still persist. Then use a filler for the cracks and another filler for any pits in the wood, after which treat the floor with a floor wax of some approved make, whose pedigree is irreproachable. Where color is necessary use a dye (stain) and then wax for the finish.

After this, rub the floor over with a block of wood covered with Brussels carpet permeated with wax.

The longer way in which to resurrect the floor is, briefly, this: (1) Plane the floor. (2) Bleach it rapidly with oxalic acid so that it will not get fuzzy from the acid. (3) Use a filler bought from the best manufacturer of fillers and tell him the color you want according to the floor. (4) Let this harden. (5) Rub off with excelsior, and rescraper if the old color remains and bleach and allow to harden. (6) Smooth it off with a rubbing of steel wool. (7) Let the floor remain untenanted for 12 to 36 hours in order that it may get perfectly dry; the length of time depending on the weather. (8) Sand paper the floor to its final smoothness with a wood block covered with sandpaper. (9) Brush the floor carefully with a brush of hair to remove scrapings and go over it again with a cheese cloth mop. (10) After a few hours apply the floor wax with a weighted brush, then brush over with the weighted Brussels carpeted block. It might be well to keep this block for future use.

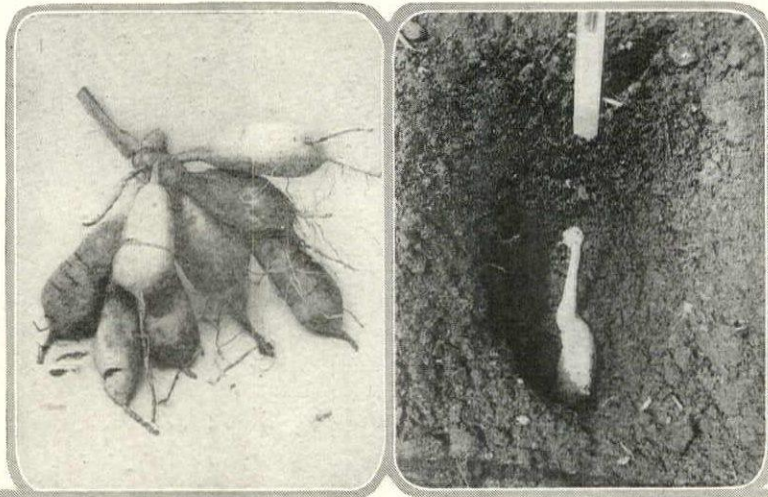
NOW your floor is in fine condition and all that is necessary to do is to give it twice a year a treatment of floor wax. If, however, the floor is situated where there is much traffic, such as in a hall, in the nursery, the wax can be applied oftener. But in any case the Brussels block hovering over it once or twice a week is all that is necessary to keep the floor in lovely condition.

Never wash these waxed floors; you will but lose time, beauty, and waste the money you have expended.

In the new floor all you have to do is keep the wax surface "burning bright," and you will have a floor that will outlive you and the rest of the house, for this wax not only gives charm to the floor but is a protective covering that saves the floor and saves you trouble.

(Continued on page 124)

The clump as dug up in the autumn. In the spring it is cut apart, with a sprouting eye to each tuber, the tubers planted separately



In mid-May the tuber is laid on its side in a hole 6 inches deep and with the sprouting eye up. Drive in the stake at the same time



In a month's time the tuber has sent up several sprouts. The next process reduces these shoots to one stalk. Note that the stake is labeled

Where the tubers are planted close together, cut off the bottom laterals in July, giving foot room, and strength to upper branches



Cut away all the side shoots, leaving one stalk. Thus the strength of the plant is forced into this one development. This is done in mid-June



Toward the end of July the healthy plant should have grown up to the top of the stake. When this is done you are now ready to dis-bud

DAHLIAS: A FLOWER FOR ALL

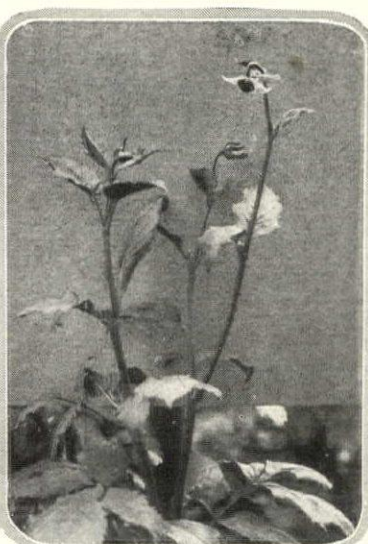
THE Dahlia is the busy man's flower—robust, reliable, repaying a small amount of care with a wealth of bloom at a season when the rest of the garden too often is at tag-ends. A flower, too, for one who likes to build up a stock of his or her own raising, for the increase each year is four-fold or more. No sunny spot of ground that is reasonably well drained need be without its Dahlias, for they are immensely adaptable. Any natural lack of soil fertility can be made up by artificial means.

The photographs on these pages were taken by Harry Coutant, an expert with flowers as well as with the camera. They represent in an interesting way the cycle of Dahlia growth during a single season.



Dis-budding includes the removal of the two side buds in each group of three. Thus the strength of the plant is concentrated in single flowers

Even the secondary lateral shoots will form many more buds than should be allowed to remain if blossoms of first quality are desired



Here the buds of the secondary shoot have been reduced from twelve to three. Such thinning is of marked benefit to the development of plants



A result of dis-budding appears below, a splendidly formed, strong stemmed blossom 7 inches in diameter



A single lateral shoot with three buds at the top and two tertiary laterals a few inches below

The shoot at the extreme left was thus dis-budded to produce the blossom in the center



The properly grown Dahlia, with its single main stalk, forms a sturdy, evenly developed plant. The effect of judicious pruning, is clearly apparent

Another example produced by the growing methods illustrated in these pages. It is interesting to note how well the plant is supported yet the stake concealed

It has been charged that Dahlias run too much to foliage and not enough to blossoms. The fallacy of such a criticism is proved by every well-cared-for plant



Perrett

Part of the area in front of the house is an open glade with rough stone paths and planting around the edge



Among the pleasant features of this garden is a shady terrace and, below it, the mirror of a little irregular pool

Making a garden in a shady front yard is not easy, and yet, by selecting the right plants, it was successfully done here, on the place of Mrs. H. L. Servoss, Madison, N. J.

A SHADY TERRACE GARDEN

ANTOINETTE PERRETT

MOST people have a difficult time growing flowers under trees. How many I have known who have given it up in despair! And yet it is all quite simple, if you are only wise in your choosing, if you only know what to grow. For that reason, the garden illustrated on this page ought to be not only a lovely spot in itself but a great help and inspiration to others.

It is in a suburb where the tall-trunked Oaks are just thinned enough to make the ground habitable. It is just a little space in front of the house, between the stone-flagged terrace and the street, all tucked in with high shrubbery boundaries, and as secluded as can be. It couldn't be more charming in its setting or more various and interesting in its plant material! Of course, you really ought to be entertained on its terrace on a warm summer afternoon to realize its full charm, to appreciate the trees,

(Continued on page 134)



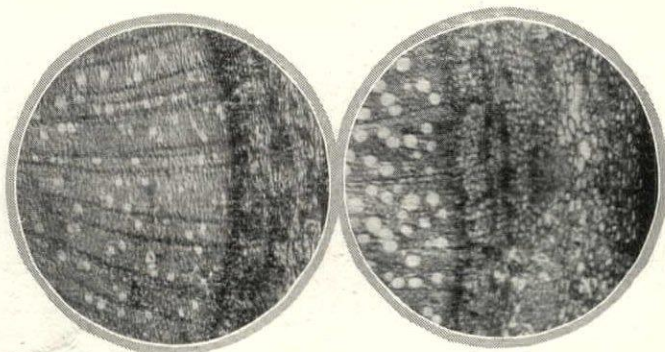
HOW TREES ARE GRAFTED

The Methods by Which Two Different Varieties Are United Without Losing the Characteristics of Either

E. BADE

THE basis for the production of new plant forms or species is found in the variability of each individual plant when it is multiplied through seeds. The variations in the forms thus produced react differently in different cases. Some of them improve when multiplied, while others return to their natural inclinations and characteristics when the seeds are taken from the cultivated forms.

It follows, therefore, that the



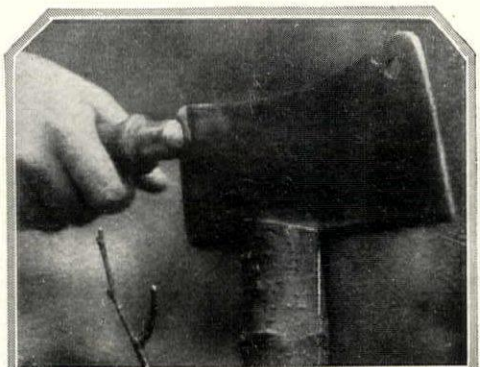
A cross-section of an Apricot branch, magnified 150 times. The darkest line marks the cambium

The cambium layer in this Apple cross-section is the last vertical line on the left hand side

reproduction of certain desirable forms without loss in variability can be accomplished with certainty only through budding or grafting. These are an organized union between a living fragment of one plant and that of another. The cambium, or growing cells, of the scion are joined mechanically to the rooted stock so that growth between their tissues is made possible. The two parts which are thus united form, on

their wounded parts, a callus or thickened growth produced by the unwounded cells. Only the cambium and the woody cells combine to form the parenchymatic tissue. The stock does not influence the scion to any extent; it, with all its parts, remains wild and all branches produced upon it must be grafted. The

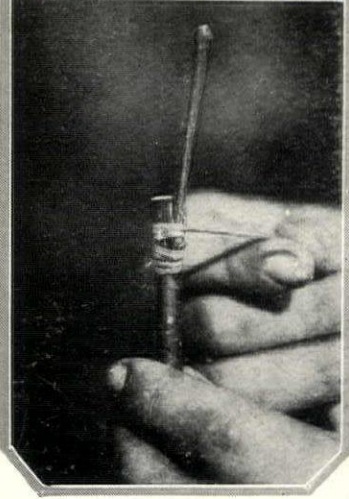
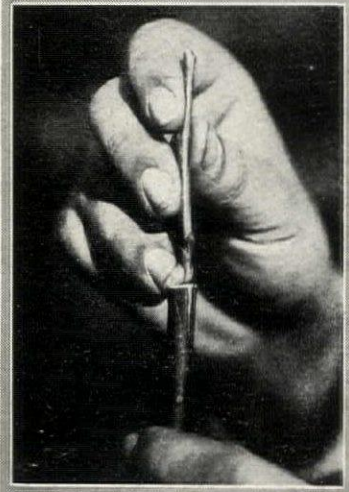
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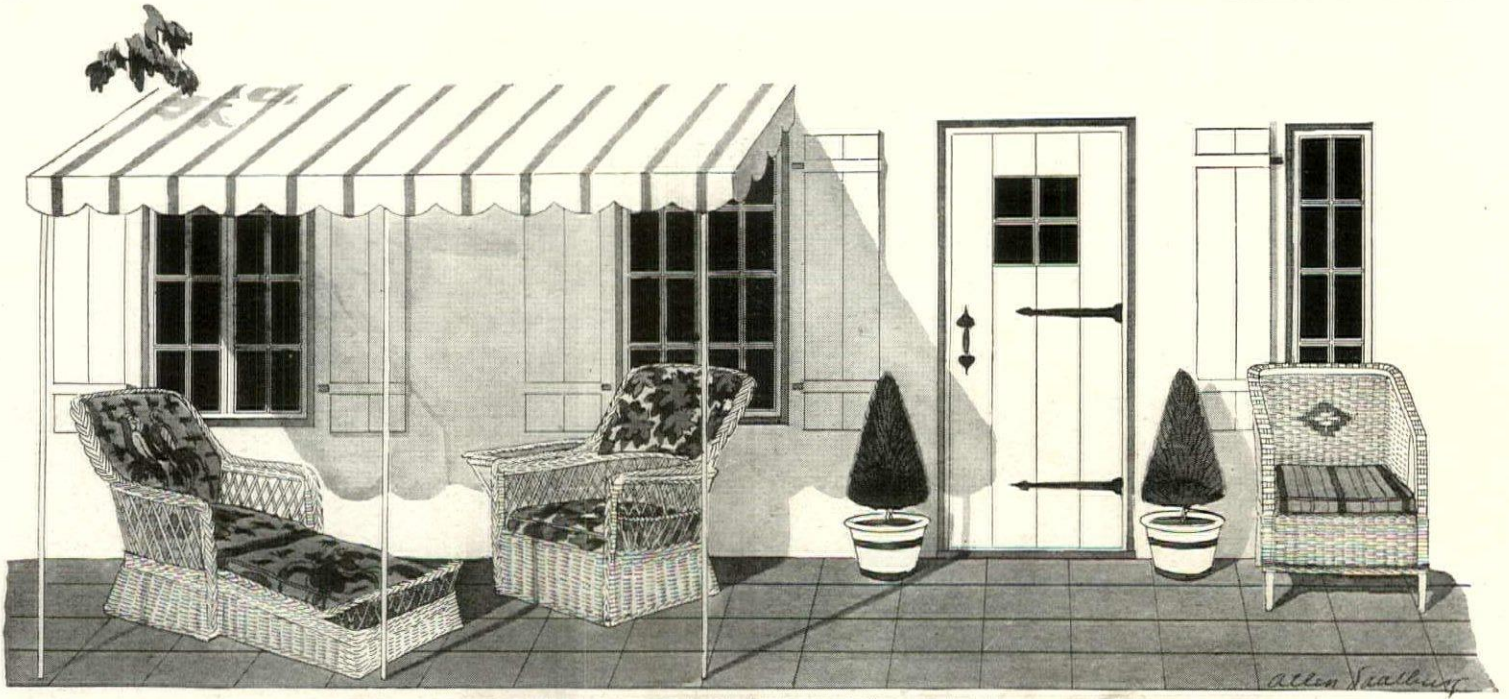


The first operation in making a cleft graft is to cut off the stock squarely and split it with a suitable tool. In the cleft thus made the scion or scions are inserted in such a way that their cambium layers coincide with that of the stock

The topmost picture at the left illustrates scion and stock about to be joined in a whip graft. Below it is shown the method of cutting for a veneer graft. At the bottom, a splice graft is shown ready to be joined

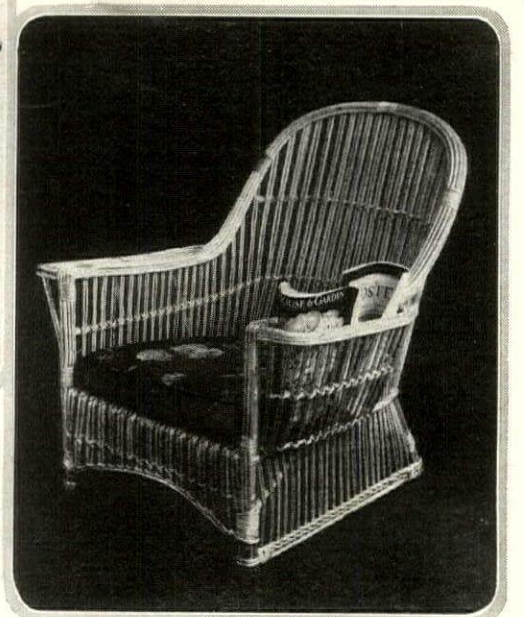
(Right) At the top, the bark of a side graft being loosened with a knife. Next, the side graft scion being inserted. And lastly, the scion being bound in place until it shall have become joined to the stock by growth





(Above) A comfortable chair in two sections, enameled any color, \$36.50. Cushions extra. (Right) Willow lounging chair, unstained \$21.50, enameled \$25.50

(Above) Chair of flat reed enameled in two colors with silk floss filled cushion covered in sunfast stripe, \$25.50. Four foot settee to match, with cushion, \$50.50



The chair above is of fine reed. Enameled one color, \$35.50. Two tones, \$39.50. Cushion extra. Table, with wood top 20 x 14 inches, \$22.50 in plain enamel. Two tones \$24.50

Chinese rattan furniture is unusually comfortable. (Below) Hour glass chair with arm rests, \$14.25. Table, 24 inches high, \$14

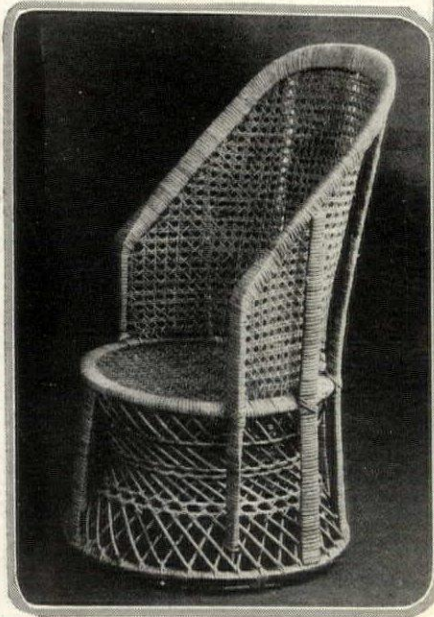
(Right) A smart stick willow chair suitable for porch or terrace. In natural finish the price is \$28. Enameled, \$31. Cushion extra

(Above) There is always space on a porch for a willow chair of this kind that may be purchased unstained for \$8.50. The cretonne covered cushion is \$4.25 extra

Low, comfortable chair of wood and striped canvas. \$35.50. Wrought iron table, marbleized top \$28.50. Cantigalli tea set, white and yellow, \$28.50. Striped pitcher, \$2.50



The furniture on these two pages may be purchased through the House & Garden Shopping Service, 19 West 44th Street, New York City. Kindly send money order, certified check or check on a New York Bank



This Chinese rattan chair has a seat only 12½ inches from the floor. It is very comfortable and may be used on a porch or terrace or in a garden. \$13



A porch is not complete without at least one long, easy chair. The one above of Chinese rattan is comfortable, durable and cool. It has an adjustable back, sliding foot rest and a pocket on the side for magazines. \$26



An amusing and comfortable small chair of stick willow is \$15.50 in natural finish. Painted color, \$18.50. In two tones, \$20. Cushion extra

COMFORTABLE

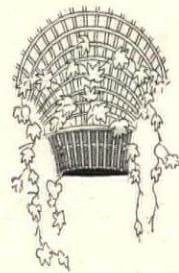
FURNITURE

FOR THE PORCH

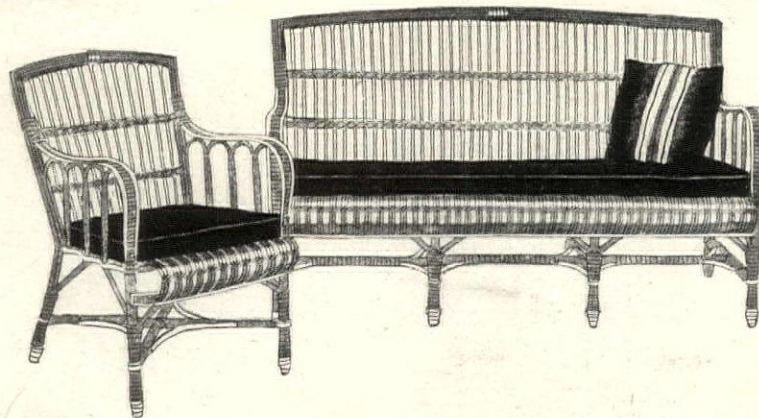
The chair at the right is painted black with green trimmings. \$32. It may be had in other color combinations. In natural finish, \$27.50. Cushion extra



A chair that combines well with either enameled willow or painted wood is of Chinese peel rattan decorated with black motifs. It is both durable and comfortable. The price is \$17



The stick willow chair at the left is \$15.50 in natural finish, \$18.50, painted any color and \$20 in two tones. Five foot settee, \$38 natural finish, \$50 one color, \$56 in two colors



The GARDENER'S CALENDAR for MAY

SUNDAY MONDAY TUESDAY WEDNESDAY THURSDAY FRIDAY SATURDAY

This calendar of the gardener's labor is designed for the Middle States, but it should fit the whole country if, for every one hundred miles north or south, garden operations be retarded or advanced from five to seven days. This is for a normal season.

*There the clouds part,
Swallows soaring between;
The spring is alive,
And the meadows are green!
I jump up like mad,
Break this old pipe in twain,
And run to the meadows
The meadows again!*

EDWARD FITZGERALD

1. If the weather conditions are post-poned planting any long if you want good results. Potatoes are a cool crop and late plantings of them, however well cared for, are rarely successful. Use a fertilizer with 1% potash.

2. It is unwise to postpone potato planting any longer if you want good results. Potatoes are a cool crop and late plantings of them, however well cared for, are rarely successful. Use a fertilizer with 1% potash.

3. The early sowings of vegetables must be properly thinned out; plants that are unduly crowded become thin and spindly and never develop into healthy vigorous specimens. Thin the plants when small.

4. Tubbed plants of all kinds used around the grounds for decoration may be taken from their winter quarters and moved into place now. To maintain growth, these plants should be given liquid manure.

5. Do not stop sowing those crops that mature quickly, such as spinach, peas, radishes, lettuce, etc. Frequent sowings in usable quantities are the first step toward success. If there is any surplus it can be canned.

6. Crops that are more or less inactive and are not growing well should be stimulated with an application of nitrate of soda or some other strong fertilizing element used in liquid form to bring about quick results.

7. Most of the more common annual flowers may be started out of doors now. Have the soil in which they are to go well prepared far enough ahead so that it will pulverize when being worked. Sow the seed thinly in drills.

8. Maple trees should be pruned just as the buds are bursting; there is no danger of their bleeding. Any large scars which may result should be painted with proper tree paint to preserve the wood until the cuts heal.

9. Carnations intended for forcing in the greenhouse next winter can now be planted out in the garden. Have the ground well fertilized, keep them pinched back, and see that the soil between them is cultivated.

10. All the summer-flowering bulbous plants may be set out now. To assure a continuous supply of gladioli, they can be planted at bi-weekly intervals. The rule is to plant all bulbs twice as deep as their diameter.

11. Do not delay cutting the lawn until the grass is so long as to necessitate raking. Good lawns are the result of liberal fertilization and frequent mowing, the latter in some cases twice a week in growing weather.

12. The edges of walks, flower beds, shrubbery borders, etc., should be trimmed cleanly and neatly with a tuffing iron every few weeks through the season. This finishing touch is necessary to complete your grounds.

13. Now that the garden work is in full swing, invite yourself to get acquainted with the use of a wheel-hoe. These implements do the necessary work of cultivation more efficiently and with less effort than any other.

14. Weed killers are very necessary in stone gutters, blue stone walks and drives, and other places where it is unwise to use a hoe. One application now will destroy all undesirable growth for the season.

15. Make a small seed bed for the accommodation of late cabbage, cauliflower, kale, Brussels sprouts, etc. These should be sown now. Keep the young plants in separate beds until it is time to plant them out.

16. Just before the general flowering season begins in the perennial garden it is a good practice to top-dress the beds with bone meal or other concentrated fertilizer. Scatter it on the surface and rake it into the soil.

17. Roses for flowering in the greenhouse next winter should be planted in the benches now. Use a rich, heavy soil for them, firm the beds thoroughly after planting, and top-dress occasionally with raw bone meal.

18. Leaf-eating insects will also soon be working in the garden. For them a poison spray on the foliage is the thing to use. Cover the squash vines with nets made out of mosquito bar, to protect from squash bugs.

19. A barrel of liquid manure in some convenient corner of the garden will be a valuable accessory for treating plants that are not doing well. Alternate applications of this with solutions of nitrate of soda.

20. It is unwise to postpone the sowing of farm crops any longer. Mangels, sugar beets, carrots, turnips, etc., should be sown. As size is the important factor with these crops, early sowing is needed.

21. Leaf beetles of various types will soon be at their destructive work. Spray the currant bushes, gooseberries, elms, cherries, etc., with arsenate of lead as the most adhesive of any of the regular poison sprays.

22. A few dead flower stalks will make an otherwise good garden appear very ordinary. Keep the tall flowers supported with individual stakes, the grass edges clipped, and remove old stalks.

23. If the weather is dry you will be troubled with the attacks of green fly and other plant lice. Peas, lettuce, egg-plant and other soft foliage plants are especially susceptible. Spray with strong tobacco solution.

24. Do not neglect to keep up succession sowings in the garden, as advised elsewhere in this issue. Spinach, beans, radishes, lettuce, beets, carrots, chervil, cucumber, cress, kohlrabi and turnip are all timely.

25. Winter celery may be sown now. Make a seed bed for it and sow broadcast. When large enough to handle, dibble the little plants off into well prepared soil. When they are 4 inches tall you can plant them out.

26. Dahlias may be planted out now. Make deep holes for them, setting the plants several inches below the grade to allow for filling in the soil as they grow. Use a little sheep manure or bone meal in the bottom.

27. After they have finished flowering, but not before, the lilacs, syringas, deutzias, forsythias, spiraea, snowball, pearl bush and other early flowering shrubs should be pruned. Cut out the old, unproductive wood.

28. When the various fruit trees are in bloom they should be sprayed with a combination of Bordeaux mixture and arsenate of lead. This will destroy the various insects that ruin the fruit, catching them as they hatch.

29. Formal evergreens and hedges should now be clipped. Hedge shears are the best tool to prevent any voids in the trees. Branches and tips that have been burned by the sun can be removed with the pruning shears.

30. Keep the ground between the potatoes constantly stirred, and look out for the potato beetles. If any are in evidence, spray with arsenate of lead. Bordeaux mixture along with the lead will prevent attacks of blight.

31. If the weather appears settled, the bedding out of geraniums, cannas, salvia, coleus and other bedding plants may be started. If a delayed cold spell should come along cover the plantings with old sheets.

These men by exploration or hybridization, have introduced to our gardens and grounds some of our most valuable and beautiful plants. Through hardly a list of shrubs, trees, or herbaceous things is it possible to look without running across some of their names. Among the Spireas alone there are varieties, S. vanhouttei, S. douglasi, and S. thumbergi. In almost every great plant group one or more is bound to be represented. The story of their discoveries would not only make fascinating reading, but would inject for us a personal interest in the plants for which they were responsible



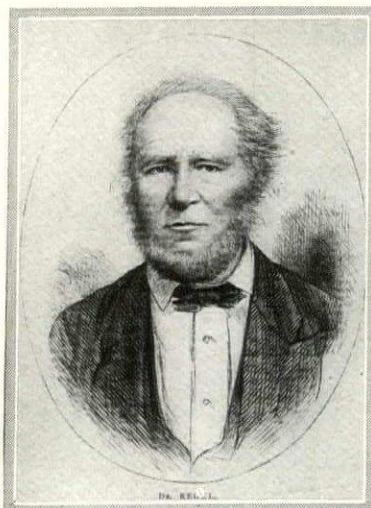
LOUIS VAN HOUTTE
This great Belgian's name is familiar as a post-fix to many of his shrub and herbaceous introductions



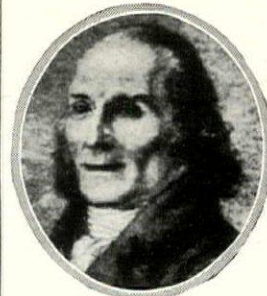
DAVID DOUGLAS
In the 1820's this Scotch Botanist explored our western scene, where he found his well known Fir and many other plants



ALEXANDER VON HUMBOLDT
One of the greatest of German explorers is famous for his horticultural findings and introductions



DR. REGEL
Regel's Privet and Regel's Lily only begin the list of plants from this hybridist and introducer



KARL PETER THUNBERG
One of the significant plant explorers of all time was this Swede, a pupil of the famous botanist, Linnaeus



F. W. BURBIDGE
One of the best and most popular plants for which this Englishman was responsible is the Aster novibelgii—bearing his name



JOHN TRADESCANT
Every one knows Tradescantia, but few that it was discovered by this Englishman in Colonial days



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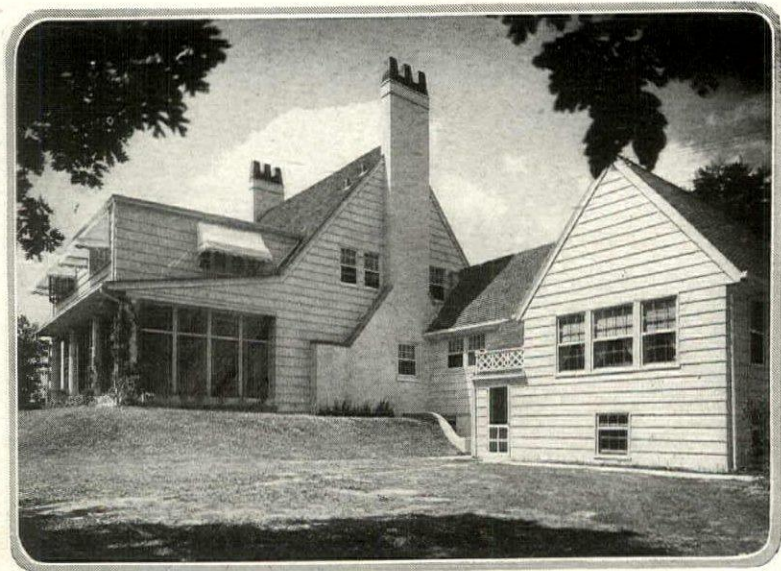
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From the rear can be seen the service wing, the laundry on its lower level, and the way in which additional bedrooms have been put over the enclosed sun porch

THE COTTAGE THAT GREW UP

(Continued from page 80)

floor are given a desirable seclusion, the guest suite provides the privacy that every guest wants. The service rooms are compact and pleasantly arranged.

One interesting feature of the new plan is the laundry. An abrupt slope in the contour of the land at its point on the plan made it practical to cut away the bank so that the laundry floor might not be more than two feet below grade. With

light on two sides of the room and an arrangement of equipment which is step-saving, another favorable item is added to the service wing.

From the glazed sun porch on the east, one overlooks a gentle downward slope and a pleasant landscape of trees, shrubs, and flowers, the site of a future swimming pool and tennis court. Beyond the pool lie the gardener's cottage and the garage.

ON HOUSE & GARDEN'S BOOK SHELF

FAMILY BUDGETS MADE EASY. A PERPETUAL RECORD BOOK. By Charles F. Breitzke, published by Lefax, Inc.

Family budgets can be a lark or they can be a ghastly chore. Charles F. Breitzke, knows that. He also knows that most books written to make budgeting easy, really make it more irksome... for they do not include in their formats the unexpected contingency that may arise on income or outgo. Because of his keen sense of the weaknesses inherent in most of these bookish methods, he has prepared from various sources a book: Family Budgets Made Easy (published by Lefax Co. which covers every dilemma of spending and saving and rational and irrational living. Furthermore, it is done in the loose leaf fashion which enables one to get new pages whenever necessary.

The book is divided into six parts. (1) Introduction: which introduces you to the essentials and reason for budgeting in family practice, data on American financial history, charts of various incomes, statistics comfortably arranged, ways of stretching the dollar and explanations of the forms used in the book, the friend the budget can be, etc. (2) Preparing the budget: ways of adjusting expenses, adapting the family needs, what people of varying ages, sex and bodily weights at various sorts of employment and non-employment require in food and clothing, the questions of luxuries, necessities etc. (3) Instruction on the use of forms in relation to monthly, yearly and daily records, contributions, savings, income data, shelter, food... how much and what kind... clothing and personal income operating expenses, welfare and development. (4) Classified list:—data about income, special, miscellaneous, necessities, this section being an elaboration about types of foods, clothes, etc., travel, automobile, personal allowances, etc. (5) Bibliography:—a most valuable group of texts on the subject of home budgeting,

buying and maintenance. (6) Then follow the forms themselves, admirably and comfortably spaced and arranged.

The book, without the forms in which to do the actual budgeting would be a valuable possession to treasure and live by.

It is the meatiest and least "up in the air" treatise on the subject we have ever seen and we cannot but recommend it to any and every person who is wise in spending and saving for the welfare of dependents and himself.

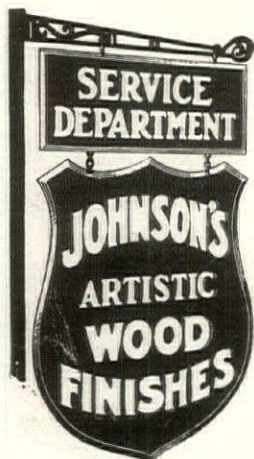
Mr. Breitzke makes budgets thrilling—and entices the owner of his book to engage in a new game of life. What more could he ask?
E. R. P.

DECORATIVE FURNITURE. By George Leland Hunter.

This book will prove a source of definite knowledge for the student, a splendid reference book for the collector, and an endless pleasure for the dilettante. From earliest times unto the present day, the text carefully traces the development of furniture and clearly brings out the salient features of each period and style.

The importance of climatic, physical and historical influences, visible in the form, color and ornamentation of a style, is interestingly explained, as, for example, the Persian and Greek wars and their influence on Classic types, the Crusades and the resultant Gothic, the Dutch trade with the Orient and the influx of Chinese ornament and color, and the inter-commercial wars of European kingdoms, bringing about the adaptation and fusing of forms and details of different countries, modified by the racial characteristics and living needs of the people by whom the styles were developed. The differences in form and intricacies of details, as in the Louis XIV, XV, the Regency, and Louis XVI styles, is simplified and elucidated. The furniture of Italy and Spain, during the Renaissance, the Georgian furniture of

(Continued on page 98)





Painted for
Cadillac Motor Car Co.
by Neysa McMein



"Contentment"—Absolute contentment in her motor car choice is reserved for the woman who owns a New V-63 Cadillac.

No feeling of dissatisfaction mars her motoring pleasure; no desire besets her for any car other than the one she possesses.

Its rich, distinctive beauty, dominant in any company, is a never failing source of delight to her.

The comfort of its deep, soft cushions, its ease and evenness of travel, and its wonderful facility of operation and control,

all contribute to her joy of ownership.

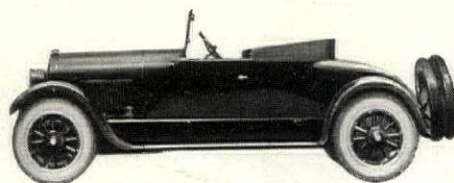
She takes special satisfaction in the safety afforded by Cadillac Four-Wheel Brakes, and in the performance of the new harmonized and balanced V-Type eight cylinder engine—as smooth and quiet as it is powerful and dependable.

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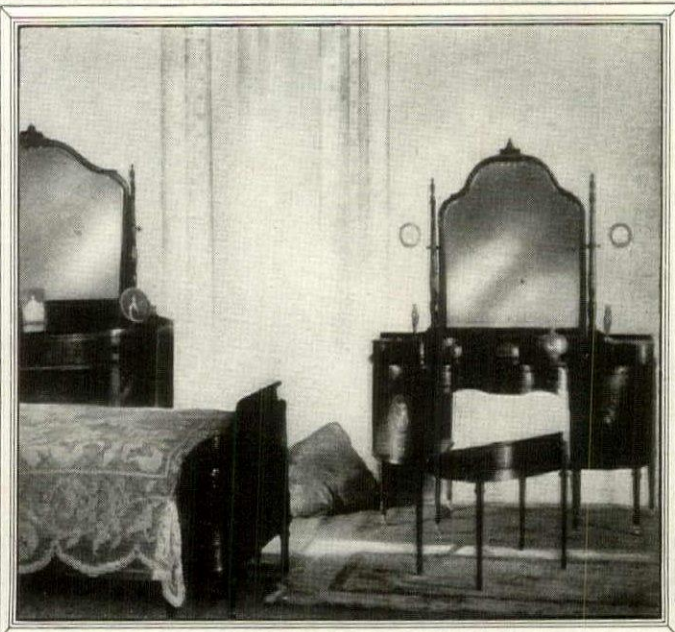


CADILLAC V-63 ROADSTER

ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 96)

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BERKEY & GAY Furniture is sincerely created. It holds faithfully to that utility for which it was fashioned, the first requisite of honest craftsmanship. The selection of woods, the design and the finish are eloquent of beauty and good taste. It is the kind of furniture one delights to live with, in intimate association, year after year.



This Shop Mark

is inset in every Berkey & Gay production. It is the customer's protection when buying and his pride ever after

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Suites are available at prices ranging from
\$350 to \$5,000

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(Admittance by letter from your merchant or decorator)

England and her colonies, and their variants are made clear and their points of difference simplified.

The importance of studying the collections in museums and the many good reproductions is stressed. Text and illustrations, the author rightly says, are but the initial step and guide; it is only by supplementing them with actual study of the furniture that one gains sure knowledge.

For those of us who, unfortunately, for the present at least, are unable to do this, the illustrations will be most helpful; for by diligent study of them one can easily recognize a style and its important details. Moreover, the book is filled with illustrations from old manuscripts and books of the periods showing the actual use of the different pieces of furniture and bringing home to us, as is possible by no other method, the gradual development of the furniture which in our modern sophisticated life is taken so much as a matter of course. The evolution of the chair from the primitive Egyptian wooden stool with its seat of leather thongs to the ornately carved settee with its tapestry or brocaded upholstery of the Baroque period; the primitive Italian chest, which served as wardrobe, safe, bed and seat, to the elaborately carved and gilded chest of the Italian Renaissance, are but illustrations of the careful study and research evidenced by this book. Colored illustrations are shown when necessary to emphasize a style, for example, the painted furniture of Venice and the lacquered furniture of China. The fusing of periods and styles by the various races, as in the Renaissance in Italy, Spain, France and England is cleverly treated and clearly explained by both text and illustration.

To our mind the weak part of the book is the modern furniture, which, alas, reflects *not* on the author, but on our modern age of commercialism and desire for profit. This brings out to the reader the lack of knowledge of line, form and proportion which rendered many of the homes of the Twentieth Century such atrocities of bad taste. Compared with the beauty and simplicity of the English Georgian and the American Colonial, it was indeed an age of horrors.

The reasons for the materials employed by the different nations and periods are also explained. The wood and metal furniture of Egypt, the marble of Greece, the bronze and marble of Rome, the oak of Flanders, the walnut of Italy and Spain, the beech, walnut and tulip woods of France, the oak and mahogany of England, the cherry and maple of the American colonies, gives information which is invaluable and indispensable to the reader. But one is also told about birch, satinwood, pine, teak, wrought iron, steel and precious metals. Verily a treasure book for the delver after furniture knowledge.

WINIFRED BREAMS

GARDENING IN CALIFORNIA. By Sydney B. Mitchell. Doubleday, Page and Company.

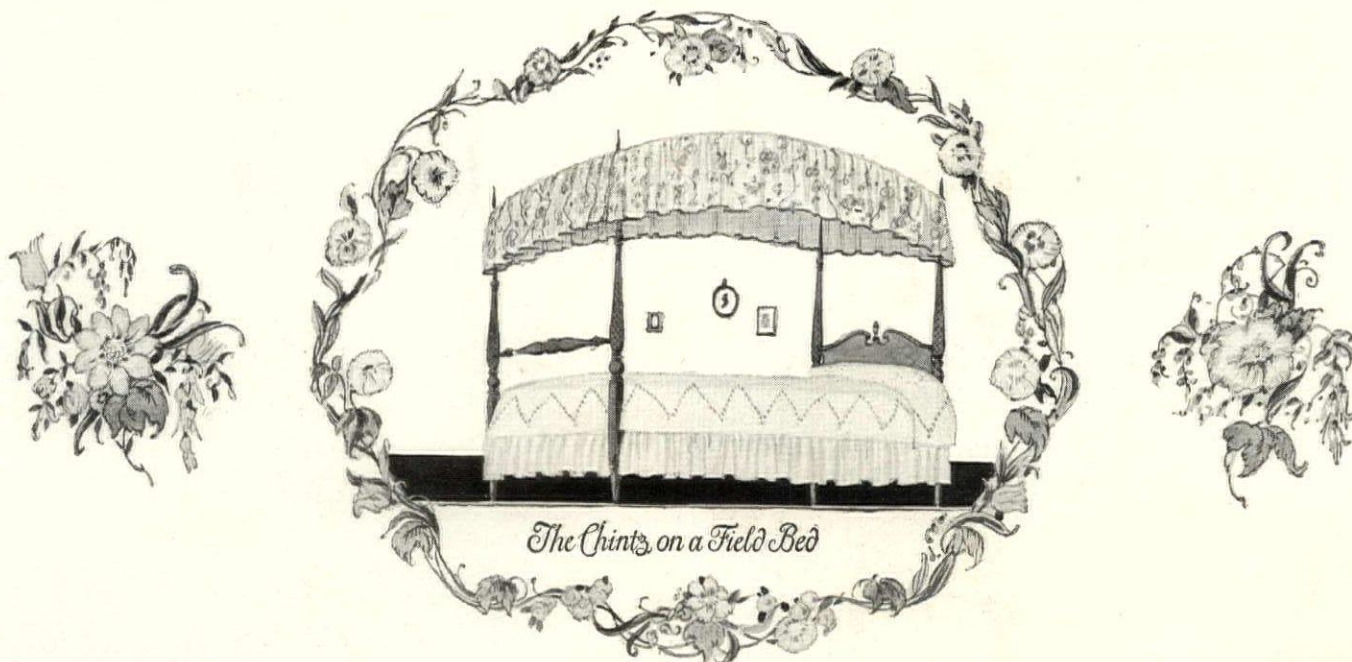
This work goes a long way toward bridging a chasm in garden literature. Nearly all the periodicals and most of the books of this field relate to New England, the Middle Atlantic and the Central States exclusively. Only at very rare occasions appears a reference to the flora, the gardening and the landscape adornment of that long stretch of the Pacific coast that has lured so many residents of the east to make their homes there and which is bound to continue to attract. Washington and Oregon have winters that are milder than those of the more populous regions of the country; but the climate is not essentially different. California, however, is peculiar, and at no point in its range of nearly one-thousand

miles, reaching from the latitude of Boston to that of Savannah, has it climatic conditions like those familiar to the horticulturists for whom the books and magazines are made. The moderating and equalizing effects of the sea and of the winds from the land, the factors of elevation and cooling fogs all are taken account of in the introductory chapter. (The author might have done well to note that one of the best nurseries of flowering plants, at about only a hundred miles north of San Francisco and only forty miles from the coast, at an elevation of 2,300 feet above the sea, is in season as much as six weeks behind the region around San Francisco Bay and southern California. The cold winds and the cold nights, which continue until early April, retard growth.) These matters should be pondered over by the easterner who thinks of buying plants from the Pacific coast or contemplates moving to that part of the country.

But the fundamental principles of gardening are the same the world over and the statement of these, in the lengthy second chapter, is so clear and succinct and complete as to constitute a second feature making the book of general value. The third topic, Planning the Small Garden, also exhibits careful and sane thought, presented, as are all the subjects of the volume, in scholarly fashion and excellent English; but here comes in the use of some plants adapted to local conditions only. Therein lies what obviously makes the book so valuable to persons moving from other parts of the world to California: they will learn, for example, what substitutes to use where grass fails to make good lawns, as well as what trees, shrubs and perennials are adapted to certain sites, particularly south of San Francisco and near the coast,—the region of most attractiveness to persons migrating to the state, where conditions faced are most trying to the inexperienced. (The author lives at Berkeley, near the Bay, and yet it must be borne in mind that conditions around Los Angeles and San Diego, 400 miles to the south, are not essentially different, as has been indicated above.)

One of the mainstays of the modern gardener, the Peony, must be renounced entirely, while the Iris of all types, including those that by the eastern fancier must be coddled if grown at all, flourishes splendidly. The brilliant color effects of early oriental tulips has to be foregone, for a burst of warm sunshine in February is always sure to bring these flowers out before the stems are more than an inch or two long. They are made up for by the Calochorti, which are enjoyed in three types called respectively Globe Tulips, Star Tulips and Mariposa or Butterfly Tulips, and by the other early flowering native bulbous plants, Brodiaeas and Camassias. Crocuses do not amount to much, while narcissi are fairly successful, as are late tulips,—in telling about which, by the way, there is error in classifying Sir Harry as a Darwin,—and most of the bulbous plants, native and exotic. But five plants, each of which is so universally desirable that it has almost everywhere its cult, grow better here than almost anywhere else in the world. So well indeed do they thrive that for their devotees western and southern California is a Mecca. These are the Crysanthemum, the Dahlia, the Gladiolus, the Iris and the Rose. The separate treatments given each of these are in general satisfactory. The Rose, however, is dealt with too skimpily and very few really excellent garden varieties are named. The rosarian of the east finds it difficult to believe that but few of the Teas or Hybrid Teas can be placed as close together as two feet or that Lady Hillingdon is a very vigorous

(Continued on page 146)



A semi-glazed chintz true to the spirit of the English original

THE present-day interest in early American interiors and the chintzes used in them brings fresh pleasure in this fabric.

It was the great East India Trading Companies that first brought to European lands the bright "painted clothes" in which chintz had its origin. India, Egypt, France and England have all contributed to the wealth of chintz designs. And among the loveliest of all are those taken from the bold floral designs of the famous crewel embroideries of Jacobean England.

The chintz shown here is an American adaptation from an old English chintz which is still being made from the original blocks. It is very typical of the designs made in great profusion during the

second quarter of the XIX century. English chintzes are often glazed. But the old glaze made them very stiff and awkward for hangings. The new semi-glaze gives the chintz a glazed finish but retains the softness that is so necessary for successful draping.

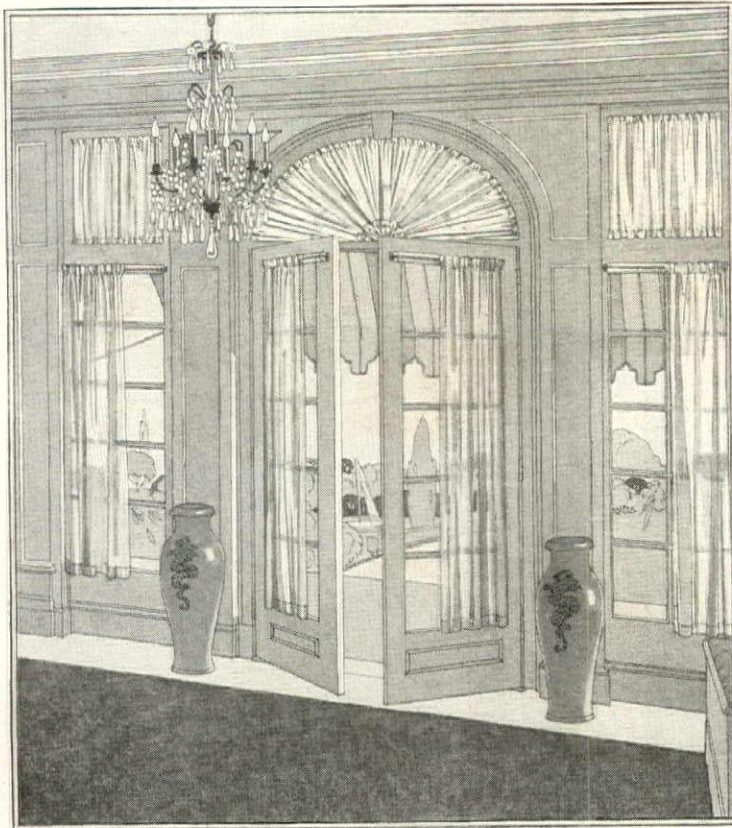
Your own upholsterer or decorator will arrange for you to see the many chintzes and other decorative Schumacher fabrics. He will also be glad to arrange the purchase for you. F. Schumacher & Co., Importers, Manufacturers, and Distributors to the trade only, of Decorative Drapery and Upholstery Fabrics, 60 West 40th Street, New York. Offices in Boston, Chicago, Philadelphia. F. SCHUMACHER & CO.



The chintzes that have this new semi-glaze finish retain all the softness necessary for successful draping

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Gold—mulberry—old blue—have the draperies you desire without dreading the damage of summer sun. Decide on glass-curtains of the most delicate shade without worrying about the effect of washing them. Launder them carefully, as you would a lovely frock, the color will be fresh

and delightful as ever. The reason for this permanence is the special Orinoka process of hand-dyeing the yarns before they are woven into the cloth. Insist on Orinoka guaranteed materials. At the better department stores and smart decorating shops—in wide variety of patterns, weaves, designs, for every kind of window in every sort of home. You will always find glass-curtains of color matching the design or background of the over-draperies.

"Color Harmony in Window Draperies" is a little book full of valuable suggestions for selecting materials and making and hanging draperies. It was prepared by a New York decorator and includes many illustrations in color—showing effective window, door and bed draperies. Send your address and 20c for it.

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"These goods are guaranteed absolutely fadeless. If color changes from exposure to sunlight or from washing, the merchant is hereby authorized to replace them with new goods or to refund the purchase price."



In making a saddle graft a tapering, wedge-shaped notch is first cut in the side of the stock

HOW TREES ARE GRAFTED

(Continued from page 91)

branches formed by the scion retain all their inherent desirable characteristics and produce, on a fruit tree, that type of fruit demanded from it. The stock merely furnishes the necessary food material for the well-being and growth of the scion and all its branches.

Care should be exercised in selecting the stock, for it must be closely related to the scion so that the bark and the growing woody tissues of the former closely resemble those of the latter. It is by no means rare that two not analogous unions are able to grow for a certain length of time, but they never last for any extended period.

Older books on gardening mention Rose bushes upon which Apples grow, Strawberry trees, and other fantastic curiosities. This is ridiculous, although it is by no means uncommon to find fruit trees which bear Apples on one part and Pears on another, or those which contain both Cherries and Damsons, or bushes bearing Gooseberries and Currants. But in order to produce these the gardener must have experience in grafting and budding, and a certain amount of luck.

Success in grafting depends upon the character of the scion as well as upon the care exercised during the process. The best scions are those which are one year old, healthy and vigorous, and which contain well developed buds. These are found only upon healthy and luxuriantly growing plants, more especially in their crowns where the twigs can receive the full benefit of the sun. The quick growing shoots or suckers should never be taken for grafting; they are usually but poorly

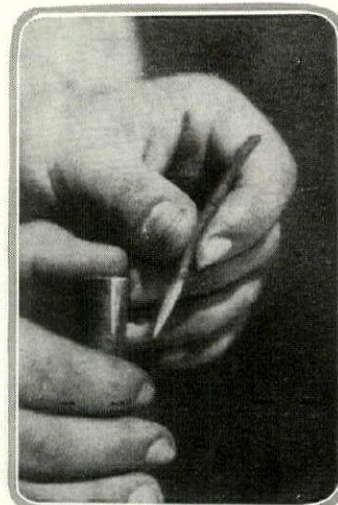
developed, their buds are too far apart, and they bear too late in life. Two-year-old shoots are also inferior; they are likely to contain flowering buds, and when they are grafted the flowers appear before a sufficiently sound union between scion and stock is established to support this added drain. Should such a scion continue to grow it will develop a poor crown.

A perfect scion should have only leaf buds, and these should not be spaced too far apart. Then, too, the scion ought to be of the proper thickness. If it is too thin or weak it will dry out; if too thick, it will unite with difficulty.

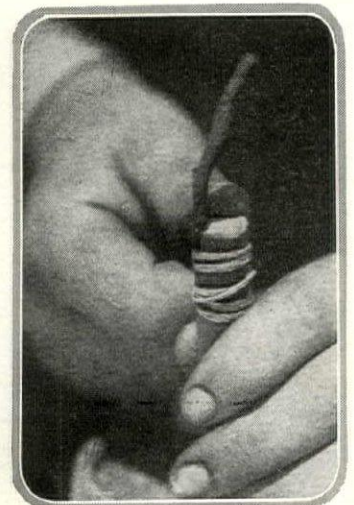
Scions should be cut when the plant is at rest, some time between November and the end of January. If cut at a later date the graft will live but a short time. Scions from fruit containing pits should be cut as early as practicable, for the sap of such trees begins to flow before others. When this is done, a very short piece of the second year's growth should also be cut, to prevent too rapid loss of sap moisture.

Should the scion dry out while it is being kept for grafting, and then shows a weak bark and red wood, it cannot be used. The cut surface must still be yellowish green near its outer edge and white or greenish white at its center. When the bark has dried out only slightly, a fresh cut is made and the scion is placed in a glass of water so that about half of it is submerged. The success of grafting depends largely upon vigorous scions cut at the right time and kept in a cool, shady and not too damp place until used.

(Continued on page 102)

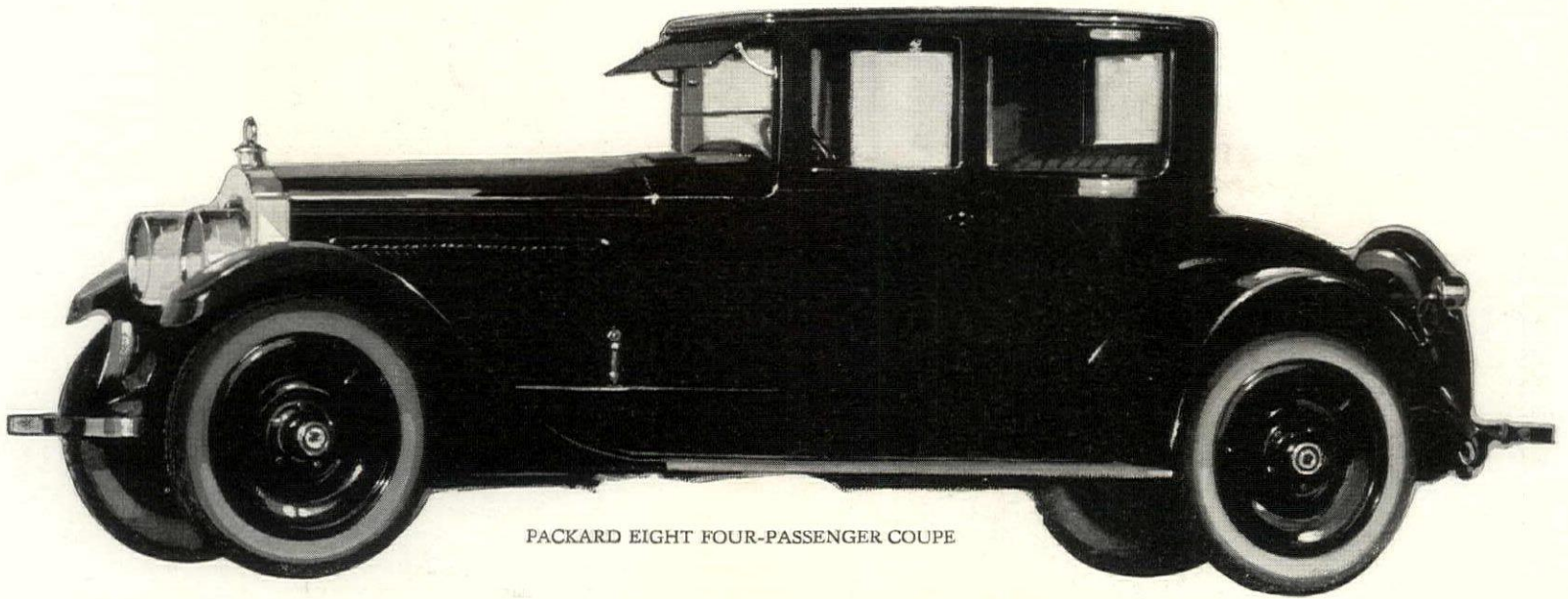


The stock notch of a saddle graft finds its carefully fitted counter-part in the prepared scion



The third step is to bind stock and scion together. The wrapping is then covered with wax

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PACKARD EIGHT FOUR-PASSENGER COUPE

Because the Packard Eight is a product of Packard you will naturally expect a performance of surpassing excellence. But be assured that even your confidence in Packard's skill and craftsmanship will not entirely prepare you for the superiority of the Packard Eight.

When Packard engineers designed the Eight they deliberately aimed to produce a car so far superior to any other automobile that competition would be unthinkable.

That goal has been accomplished, as you will quickly discover for yourself when you ride in the Packard Eight.

There never was a flow of power like that of the Eight; there never was such a sweet-running, silent, vibrationless motor; there never was such a luxury of motion, such distinctive beauty, such completeness of detail.

In simplicity of design, as in performance, there is nothing with which the Packard Eight can be justly compared.

Owners enthusiastically proclaim it, "the greatest car in the world." That is why public demand already greatly exceeds Packard's anticipated production.

Don't miss the experience of Packard Eight motoring. It will give you a new conception of motor car perfection.

ASK
THE MAN
WHO OWNS
ONE

PACKARD EIGHT

HOW TREES ARE GRAFTED

(Continued from page 100)

The soil in which the scions are kept should contain about 50% sand. They are sunk in it to about half their length (6 to 8 inches) after they have been tied in small bundles. The soil is loosely packed around them and the whole is protected with a comparatively thick layer of straw or pine twigs. This will partially protect them from the influence of the light which, otherwise, would cause them to sprout too soon. Then, too, such a covering prevents too rapid evaporation of their sap such as would occur if they were exposed. Cold does not injure well protected scions, but they should be spared the extreme changes of alternate freezing and thawing. Keeping them in the cellar is not to be recommended.

GRAFTING TIME

Actual grafting and budding are done in the spring when the sap begins to rise, and are accomplished on those days when the sun is hidden behind clouds. The right time can easily be found by observing when the buds begin to swell. The sap of the stock should be in full movement but that of the scion at rest.

Various methods of grafting are employed, differing in mechanics but not in their final outcome. All of them have their advantages and disadvantages.

One of the oldest is that known as cleft grafting. This is a rather crude method, as the tree is considerably injured by it. But it has certain characteristics which make it exceptionally advantageous under some conditions.

This process is used where the stock is much thicker than the scion. The trunk or branch is cut off at a slight angle or horizontally. Then it is split through its center, and in this cleft the scion, which has been cut to a long, tapering wedge, is inserted so that bark touches bark, or cambium touches cambium. When the scion has been inserted its cambium must be in contact throughout its length with that of the stock so that the sap of the stock can enter, for the cambium is the growing part of the plant. Though both parts of the graft must fit internally in this way, it is not necessary that they do so externally. In order to place the growth zones together, the stock is kept cleft by means of a stick until the scion is adjusted.

Saddle grafting is a better method, for the tree is not so injured. In this method the stock is provided with a V-shaped cut, on the side. The scion is cut in a corresponding manner so that it fits into the V. It is placed in the stock in such a way that its cambium meets that of the stock. Saddle grafting is well adapted to Cherries. The scion must be mature and woody.

Side grafting is probably the best method for the stone fruits. It requires that the bark of the stock be resilient, a condition that is found when the tree is producing its full flow of sap—usually in April. When the bark has been pulled away from the wood the scion, cut to a flat pointed wedge, is inserted so that cambium faces cambium. Should it be impossible to loosen the bark sufficiently for this, it must be slit vertically and then loosened. The scion itself is cut wedge shaped on one side only, and the bark left on its outside. When in place, the bark of the stock surrounds that of the scion.

SPLICE GRAFTING

One of the simplest methods of grafting is known as splice grafting. It is used when stock and scion are of approximately the same size. Both are cut at a sharp downward angle, closely fitted and held together by binding. Since a poor union is often obtained by this method, a tongue is cut in each part to make what is called a whip or tongue graft. This tongue is shown in one of the illustrations.

A slight variation of this is the veneer graft. Here both stock and scion are cut alike. First a diagonal cut is made upward, and then, just beyond the pith, a downward and inward cut is made about two or three times as long as the stock and scion are thick. Finally, another upward and outward cut is made.

When grafting has been accomplished, the wounds must be bound up. This is done by binding bast around the joints so that they are firm but not too tight. Then the whole is covered with tree wax, or shellac is painted over the wounds. When the graft begins to grow the bandage is loosened so that it will not bind and cut off the flow of sap.

All these methods of grafting are most successful when the plants are still dormant but the sap just about to rise. In other words, some time in March or April.

GLOS FABRICS FOR THE HOUSE

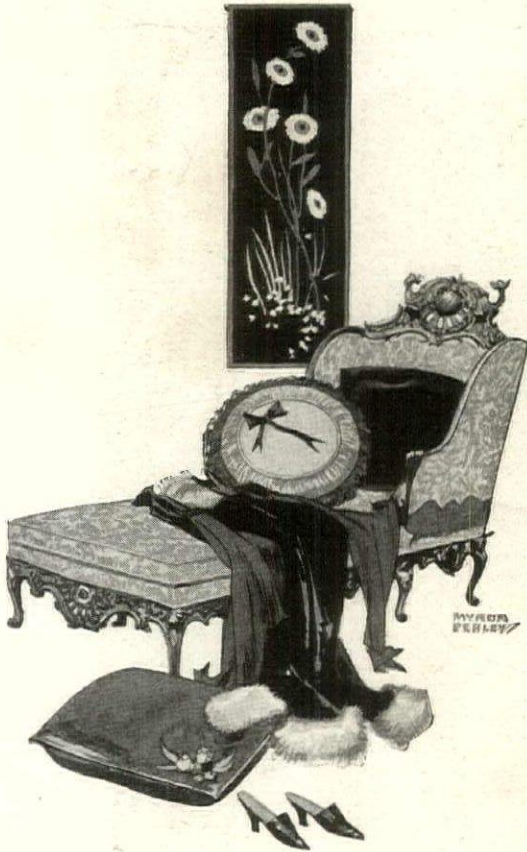
(Continued from page 72)

manufacturers are now experimenting with them and they will doubtless be perfected. A silk pile velvet may have a ground of glos, its high lustre giving exquisite changeable color effects in drapery.

Cords and tassels, curtain tie-backs, gimps, braids, and other trimmings as well as fringe are now commonly made of glos. Great quantities are made to trim lamp shades, curtains and other draperies. The cheaper price of glos trimmings makes them available where silk would be prohibitive. Glos is now combined with almost every kind of fibre and bead in trimmings, which are used in every conceivable way. The era of the cord and tassel is upon us.

The fact that glos textiles have been

manufactured in colorings that are claimed to be both tub-fast as well as sunfast is the strongest point in their popularity. It seems to be quite generally supposed that sunfast dyeing is some sort of magic trick and cannot be used for silk or other animal fibres. This is a fallacy. Many colors are sunfast in silk, and as the public demand becomes clearer in this matter, others will undoubtedly be offered. Fine reds are not yet available in sunfast fabrics, but tones of rose are fair. Creams, écrus, and many yellows hold well, and as these are popular colors for curtains, they naturally meet the sun full force and prove their worth. Fabrics for upholstery and door hangings seldom meet so severe a test.



There is some subtle something about *Rigaud* odeurs that seems to captivate and hold men in a strange way.

The following odeurs are created by Parfumerie Rigaud, 16 Rue de la Paix, PARIS

MI NENA.....*MARY GARDEN*
RIVA AMATA.....*UN AIR EMBAUMÉ*

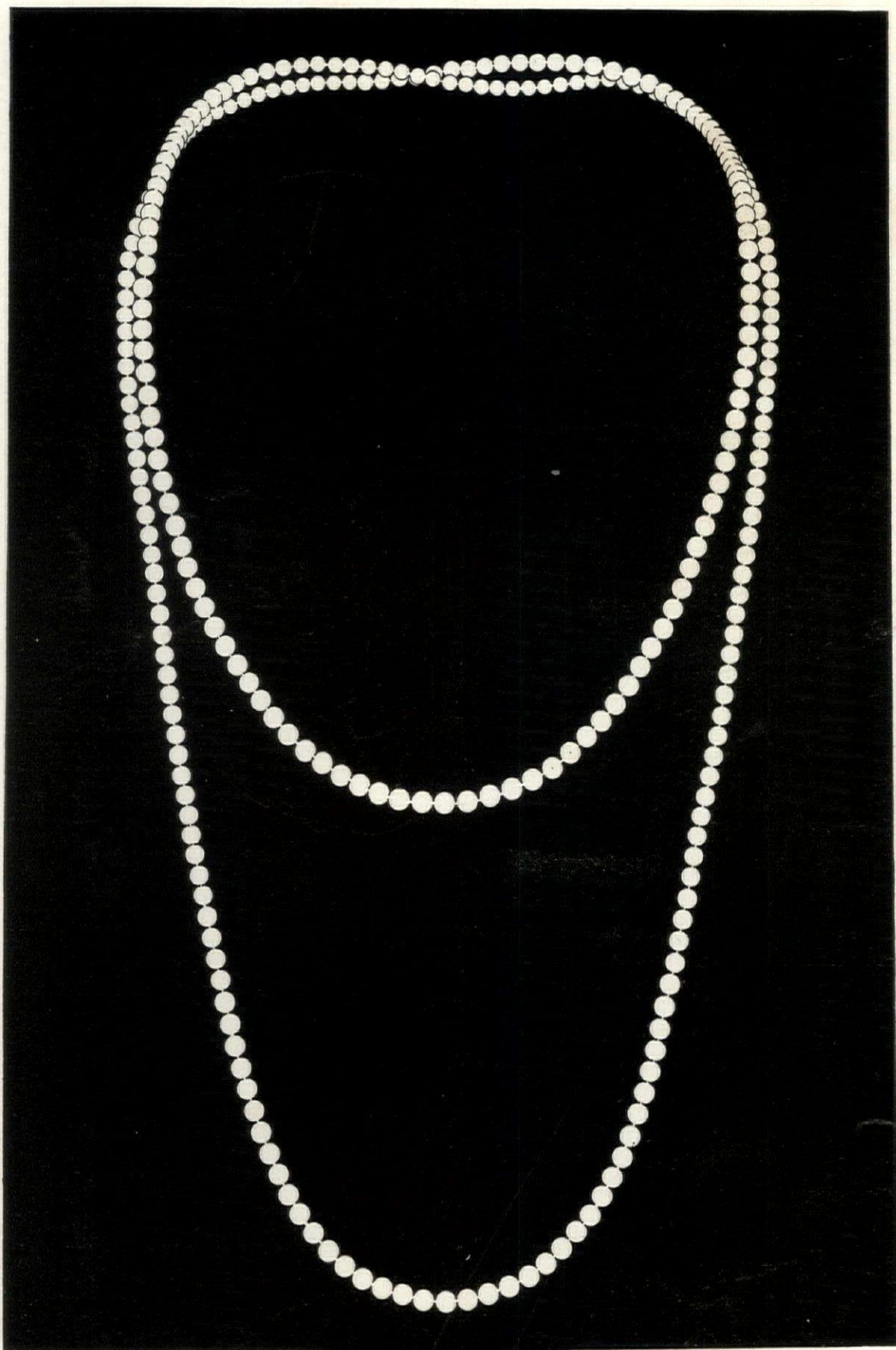
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A Randall New Period Gold Band Suite. This is the Ambassador Davenport Bed suite. In a moment it transforms a living room or sun parlor of gracious hospitality and refinement into a luxurious sleeping chamber.

The New AMERICAN PERIOD IN FURNITURE



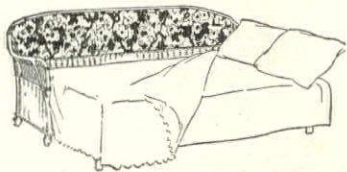
Sent FREE on request to any reader of this magazine

This book depicts the new vogue in home furnishing. But its significance is much deeper, for it reflects perfectly the fundamental characteristics of present-day living.

It traces the development of American furniture from pioneer days to its culmination in the New American Period. It visualizes its adaptability for every room in the home, and shows suggestive treatments that will prove inspiring to those who wish to combine charming beauty, inviting comfort, and refreshing cheer with perfect taste and dignity.

It illustrates perfectly the manner in which this development of reed and fibre furniture gives the fullest expression to the fine modern feeling for spaciousness which always characterizes the home where the fine art of living is appreciated. The book is free for the asking. Simply sign your name to the request below.

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Ambassador Fibre Davenport Bed
One of many Gold Band styles

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THE ONLY FURNITURE
TRADE-MARKED WITH THE
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Gentlemen: Without obligation, kindly send me a copy of
"The New American Period in Furniture."

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Van Anda

These gates leading into the garage court on the estate of Chester C. Bolton, South Euclid, Ohio, for all their gracefulness are sturdily made. Prentice Sanger, architect

THE BUILDER'S SCRAP BOOK

Three Pages of Architectural Designs

(Continued on page 106)



Melichor

On this house in Guilford, Baltimore, Maryland, are several interesting details: the cuts in the jalousies, and the turnings on the bow window. J. J. Buffington, owner; E. L. Palmer, architect



HARRIET: "YOU DON'T MEAN TO TELL ME YOU REFUSED TO SEE HIM AGAIN! WHY?"
DOROTHY: "WELL, IT'S SOMETHING I DON'T WANT TO TALK ABOUT."

[Listerine used as a mouth wash quickly overcomes halitosis (unpleasant breath).]



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Clock is a joy always!"

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A clock that isn't dependable isn't a clock—it's a nuisance! Where a Sessions Clock marks time you will never hear that inquiry-of-uncertainty: "Is this clock *right*?" Accuracy is the *nature* of a Sessions Clock.

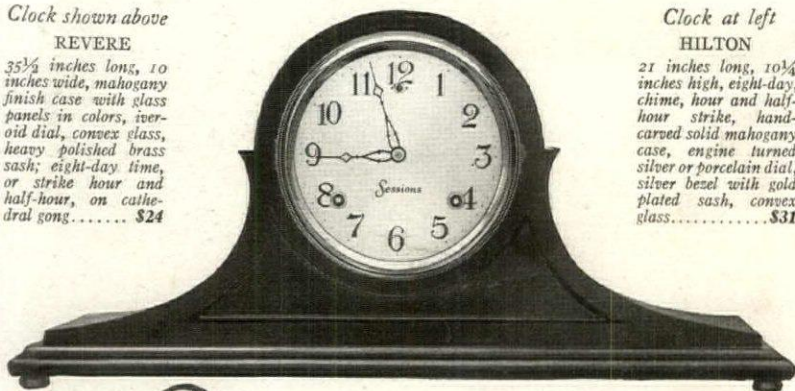
There is a wide variety of styles in the Sessions line, providing a clock suitable for every room in the home. For artistic design and beautiful finish—at prices remarkably reasonable—the Sessions line is unique and unrivaled.

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Clock shown above
REVERE

35½ inches long, 10 inches wide, mahogany finish case with glass panels in colors, ivory dial, convex glass, heavy polished brass sash; eight-day time, or strike hour and half-hour, on cathedral gong..... \$24



Clock at left
HILTON

21 inches long, 10¼ inches high, eight-day, chime, hour and half-hour strike, hand-carved solid mahogany case, engine turned silver or porcelain dial, silver bezel with gold plated sash, convex glass.....\$31

Sessions Clocks

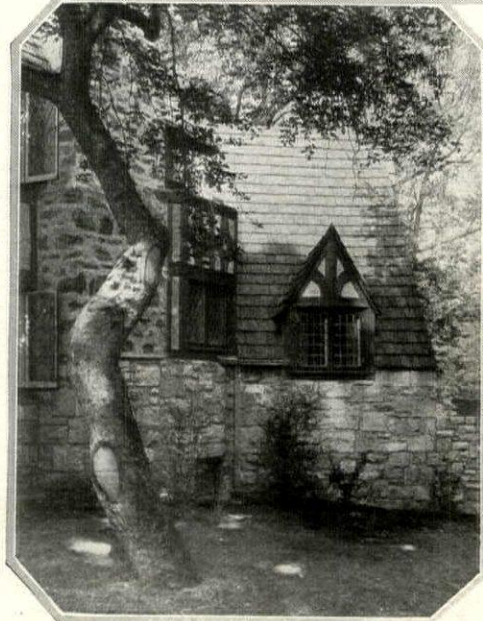
DEPENDABLE AS TIME ITSELF

WRITE your name and address (and your dealer's name and address) on the margin below and the booklet "Friendly Clocks"—picturing just the kind of a clock you need—will be sent to you. See Sessions address above.



Gillies

A half-timber house here is generally not what it appears to be, but this gable on the house of Henry N. Morse, at Bronxville, N. Y., is authentic in every detail. Lewis Bowman, architect

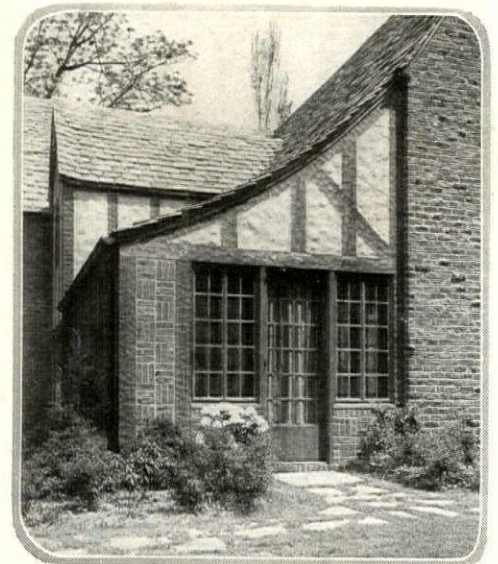


Another view of the Morse house shows how interestingly an angle in the building may be treated when the decorative possibilities of chimneys and windows are appreciated

THE BUILDER'S SCRAP BOOK

(Continued from page 104)

Here are several noteworthy details: a beautifully curving roof line, an harmonious texture between adz-hewn timbers and rough plaster, and interesting brickwork. J. W. Day, owner; Frank Forster, architect



REO

The Gold Standard of Values

Genuine, full-sized balloon tires are standard equipment on the new T-6 Special Touring Reo.

Price, \$1595 at Lansing plus tax

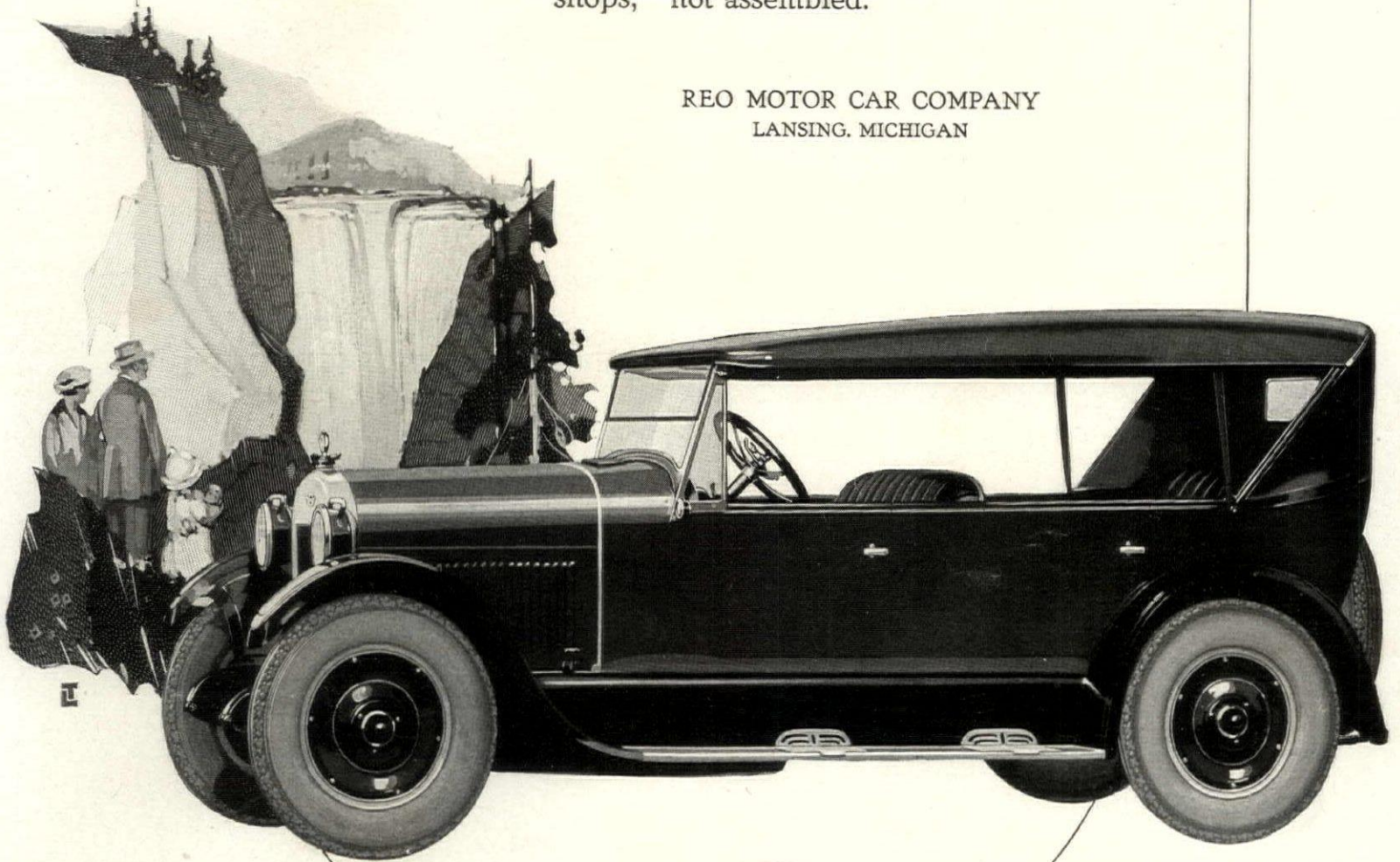
Including balloon tires, Motometer, winged radiator cap, full nickeled radiator, step plates, windshield wiper, electric clock, cigar lighter.

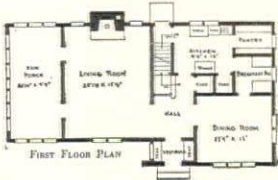
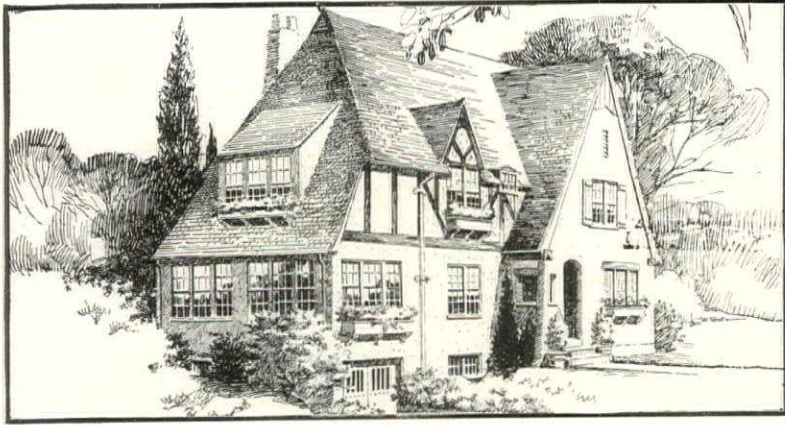
Upholstery, Spanish leather; black optional. Colors, Reo deep gray or Reo blue.

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REO MOTOR CAR COMPANY
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The Home you want to build is in this book

Volume I of "The Books of a Thousand Homes" is now ready. It contains plans, perspective and detail drawings and cost estimates of 500 inexpensive 4- to 8-room homes designed by architects of the highest standing. The coupon below brings it to you by return mail.

WHEN are you going to build your own home? This year? Next? Sometime indefinitely in the future?

If you have any intention of building at all, here is something to do right now: Get Volume I, "The Books of a Thousand Homes."

It is a book of small home plans that is entirely different from anything of the sort ever published before. It contains floor plans, perspective drawings, detail sketches and cost estimates for not twenty or fifty or a hundred but five hundred homes which can be economically built.

And for every plan in the book, there are working drawings, blue prints and architects' specifications easily available. These you can turn over to your local contractor and let him go ahead. He cannot make a mistake.

In other words, this book offers you the services of more than 100 architects of the highest standing for \$3!

The architects whose work this book contains are the best in America, men who could not undertake an individual commission for less than \$500. They have given their services, in this instance, for the sake of builders of small homes who want the best of everything at minimum cost. The name of the Editor—Henry Atterbury Smith, the famous architect—is in itself a guarantee of excellence.

Among the plans there is an almost infinite variety. There are homes of stucco, brick, frame, cement block, hollow tile and stone; and each is designed by a man who is a master in the field.

Even as a book, it is worth owning, for it is a beautiful example of planning and printing and binding, a decoration on any living-room table and an inspiration to its owner.

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35-37 West 39th Street, New York City

Send me Volume I, "The Books of a Thousand Homes," by parcel post collect.

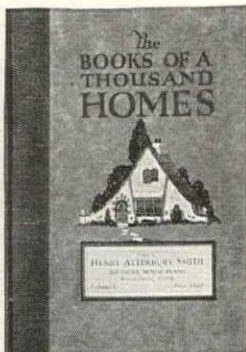
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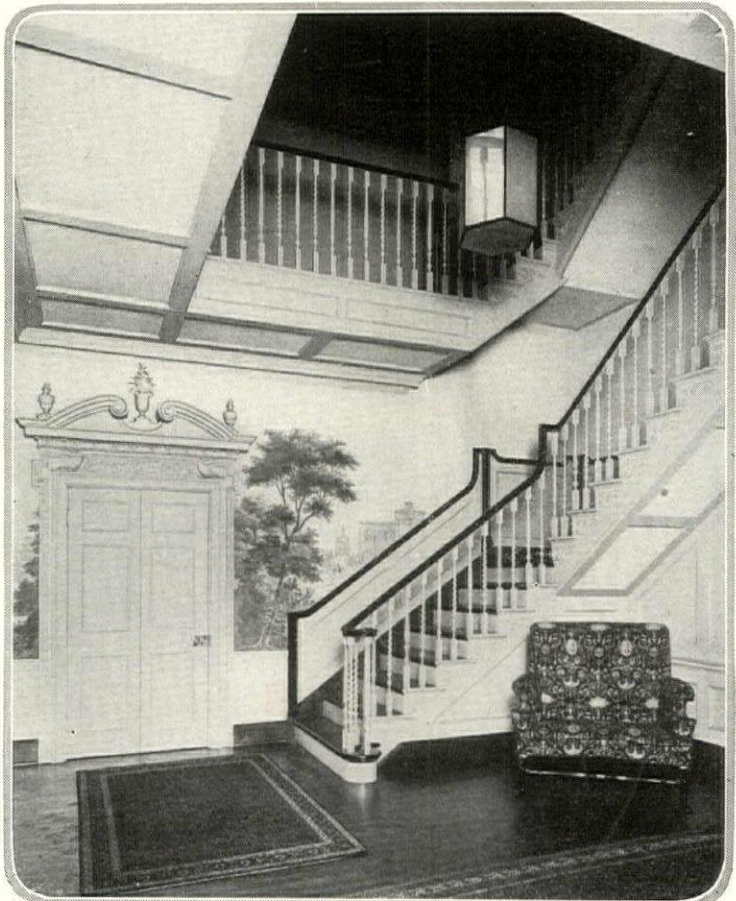
Clark

Over this arbor-sheltered doorway a sun dial is set against the weatherboarding of the wall, tells the hours and decorates the entrance. The house of John T. Arms; Clark & Arms, architects

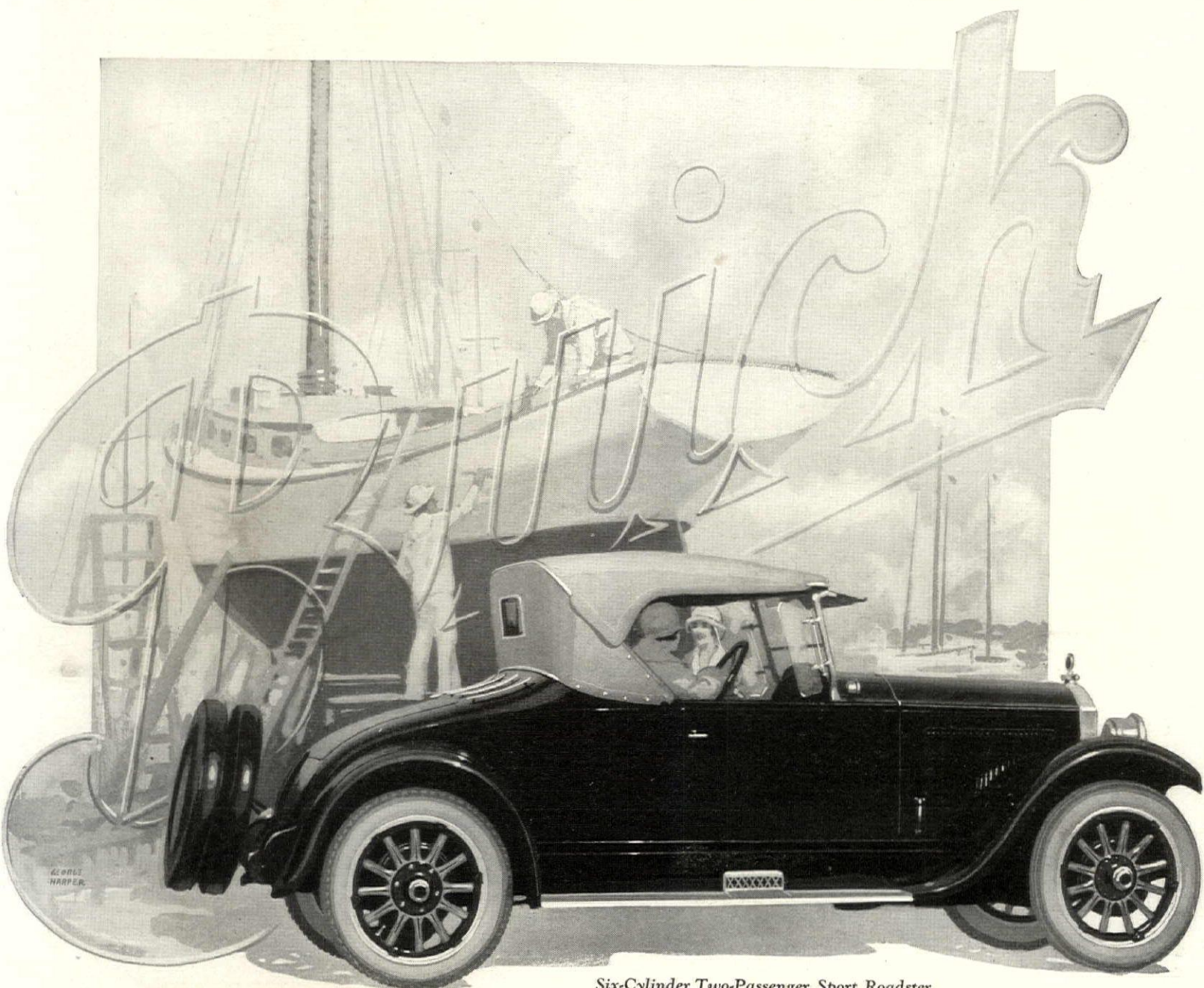
THE BUILDER'S SCRAP BOOK

(Continued from page 106)

A delightful example of a Colonial interior from Richmond, Va. Note the alternating spindles in the staircase, the pediment and the landscape paper. The home of Mrs. Ramage Golsan



Duryea



Six-Cylinder Two-Passenger Sport Roadster

What sold me first of all and induced me to buy a Buick is the fact that it has such a wonderful motor. My first real test of the motor occurred a few weeks ago when I attended the Notre Dame football game at South Bend, Indiana. The car behaved beautifully. In fact, better than any of the higher priced cars I have owned and isn't it true that after all is said and done, the motor makes the car.

Of course the four-wheel brakes add to the safety and I would not drive a car not so equipped, but at the same time I would not exchange motors with any other car, as I doubt if its flexibility, power and smoothness could be improved upon.

(Signed) Lester W. Rempe,
Sacramento Blvd. & Carroll Ave.
Chicago, Ill.

THE woman who loves the out-of-doors finds herself irresistibly attracted to this Buick six-cylinder Sport Roadster. Long, low, beautifully finished and nickel-trimmed—this sparkling model reflects her ideal of an appropriate companion for summer time sports and pleasures. She finds, too, that every luxurious detail that could add to car appearance or driving comfort is included as standard equipment. The 70 H. P. Buick Valve-in-Head engine is lubricated automatically, requiring little attention, and Buick four-wheel brakes assure greater driving safety.

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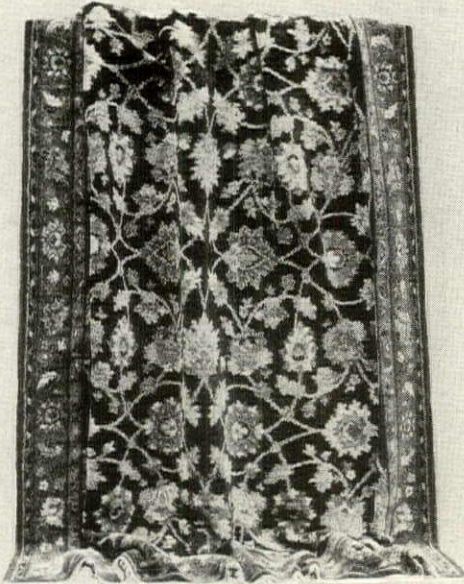
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HOW TO FORM A GARDEN CLUB

MRS. FRANCIS KING



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All sizes
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where your rugs become a harmonious,
livable part of your home, blending with
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There you will find Bengal-Oriental reproductions—
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We will help you select the most harmonious rug for the room
you are planning to refurnish. Mail the coupon giving as full
details as possible as to size and type of room, color scheme
[samples if possible] of hangings and upholstery, and tones of
walls and woodwork. We will send you color plates of rugs best
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JAMES M. SHOEMAKER CO., INC.
119 West 40th Street, New York

Please send me color plates of rugs for

- Living room, size _____ Dining room, size _____
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I am enclosing floor plan and description of woodwork, walls,
upholstery and hangings.

Also send me "Backgrounds of Oriental Beauty" by Alice Van
Leer Carrick.

Name _____

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City _____ State _____

My dealer's name is _____

Mail this coupon to Consulting Decorative Department

THE HOUSE OF SHOEMAKER
119 West 40th St., New York

Note—These suggestions are taken from an article Mrs. Francis King contributed to House & Garden some years ago. Constant requests for copies warrants our repeating it. It contains the data necessary for founding and managing an effective Garden Club.

HERE is a simple outline for a Constitution, to serve as a working basis only:

Article 1. Name.

Article 2. Object: The advancement of gardening.

Article 3. Officers: The officers of this Club shall be a President, a Vice-President, a Secretary, and a Treasurer.

Article 4. Executive Committee: The affairs of this Club shall be managed by an Executive Committee consisting of the officers and two members, all to be elected annually.

Article 5. Membership: The membership shall be limited to active and associate. Associate members pay no dues. Qualification for membership shall be an active interest in gardening.

Article 6. Committee on Elections: The Executive Committee shall be the Committee on Elections. Anyone may propose a candidate for admission. Election consists of a unanimous vote by the Executive Committee.

Article 7. Meetings: How many and where held. Hours for summer and winter should vary. Light refreshments shall or shall not be served at the discretion of the hostess.

Article 8. Dues.

Article 9. This would have to do with a person or committee whose business it shall be to arrange the exchanging of plants or cuttings between members.

For the very informal and absolutely democratic garden club which we have in my special dwelling place, although we are fifty odd in number, a President, two Vice-Presidents, and a Recording Secretary, who is also Treasurer, are all that we feel to be essential in the way of officers. Our dues are but twenty-five cents a year—our meetings are held about once a month from February (catalogues fresh upon us!) to October. No club could be simpler than this in its origin, aims and methods. There is but one qualification for membership—an interest in gardening.

ACTIVITIES

The activities of the garden club in the small town may be many and varied, so a little practical advice as to meetings may not be out of place. The hour for meetings should vary in spring, summer and autumn. Late afternoon is almost invariably the time which suggests itself for midsummer gatherings; earlier in the day for spring and autumn conferences. Always have on the table of the presiding officer a few specimen flowers or foliage cuttings, correctly labelled. This is a stimulus which acts in many directions. Allow as little business as possible to come before regular meetings—bend all your energies there to discussion of the horticultural subject. Accumulate as rapidly as may be a few good books as the nucleus of a club library, never considering Bailey's great Cyclopaedia of Horticulture as anything but a necessity, though you may be compelled to call it an eventual one. Lists of garden books can be had from anyone who has really studied the subject, but such lists should be more discriminating than those I have thus far chanced to see. Many worthless books are usually included in them. An examining member, herself a practical gardener, on the Library Committee of a garden club would be well.

If a regular course should be desired by any garden club, the compiling of a program should not be difficult. One

such already exists arranged by the editor of a New York periodical for women. Access to libraries should not make the getting up of such a program over-trying, however. If, for instance, an outline of the history of the art of gardening should be desired for winter deliberations (and let me here assert my firm belief that nothing could be better for us all as individual gardeners) such an outline may be found in Volumes II and III, 1889 and 1890, of Garden and Forest, and from no less a pen than that of Mrs. Schuyler Van Rensselaer.

Papers by members may seem a bugbear in a club's beginnings. Help this matter by providing material to be read by different ones, and to accumulate such material and consult the files of the delightful and lamented paper, Garden and Forest; look back at your old copies of House and Garden for articles by experts. Cultural and horticultural advice ten or fifteen or forty years old for the same climate is in many respects as good today as when freshly written. Here is a list of suggested topics for papers, gathered from various sources, with one or two original suggestions whose value I admit is debatable:

- Spring Planting or Fall Planting, Which?
- The Twelve Best Seed Catalogues Now Current.
- The Question of the Fence.
- Other People's Gardens.
- The Newer Varieties of Vegetables.
- The New Chinese Shrubs.
- A Garden of Irises.
- A Green Garden.
- Roses and Rose Culture.
- Shrubs and Trees to Attract Birds.
- A Joseph's Coat Garden.
- The Artistic Use of So-called Bedding-out Plants.
- Structural Green in the Garden.
- Is the Pergola an American Necessity?
- Garden Design.
- The Need of a Plan for the Small City or Suburban Lot.
- The Spring Garden.

An occasional lecture by one thoroughly versed in some special subject connected with the garden is a wonderful fillip to interest in meetings. In our club, where the dues are so small, we cannot engage speakers. But should an authority on gardening happen to be in the town, we seize upon him or her and demand a few crumbs of garden wisdom as our right. But—not too many lectures, or individual participation lags. Once or twice a season experience meetings are well. Call the roll, asking each member beforehand to use three minutes in describing her greatest success or most depressing failure during the past season. The severest garden club atmosphere under this treatment warms and glows.

Too many lectures, I may repeat, hurt rather than help. Too much intensive work is apt to grow dull. To strike the delicate balance is the needed thing. Above all to get many members actively to work—this is the secret of success in any organization of any kind.

DISCUSSION

The very lifeblood of any meeting is free and intelligent discussion, and this is always present in the garden club of our town. Always the hidden gifts of knowledge and of expression which come to light prove a delightful thing. Small concerted movements on the part of the club are common. For example, the receiving vault in our cemetery needed a hanging of green; the garden club bought a dozen good creepers of unusual character—Euonymus radicans (var. Vegeta), and Ampelopsis Lowii, to be explicit, and thus filled this small public want. A bride in a new house with ungarished

(Continued on page 114)

Leopold Godowsky



The Angelus

Reproducing Piano in the incomparable

Hallet & Davis

COMPARE the concert playing of Godowsky with the reproduction of his same rendition on the Angelus Reproducing Piano. There is not the slightest difference.

With the Hallet & Davis Angelus in your home—you can choose your favorite compositions and have each played by its greatest interpreter, be that master Godowsky, Hofmann, Bauer, Menth, Gabrilowitsch, Rubinstein, Zeisler, Mero,

Leginska, Buhlig, or any of a host. To all appearance this marvelous reproducing instrument is merely a super-beautiful Hallet & Davis piano, famous since 1839. In it is concealed the Angelus—supreme in reproduction.

You may have a private recital at your dealer's studio. Let us send you his name and illustrated brochure of styles and catalog of master-made recordings.

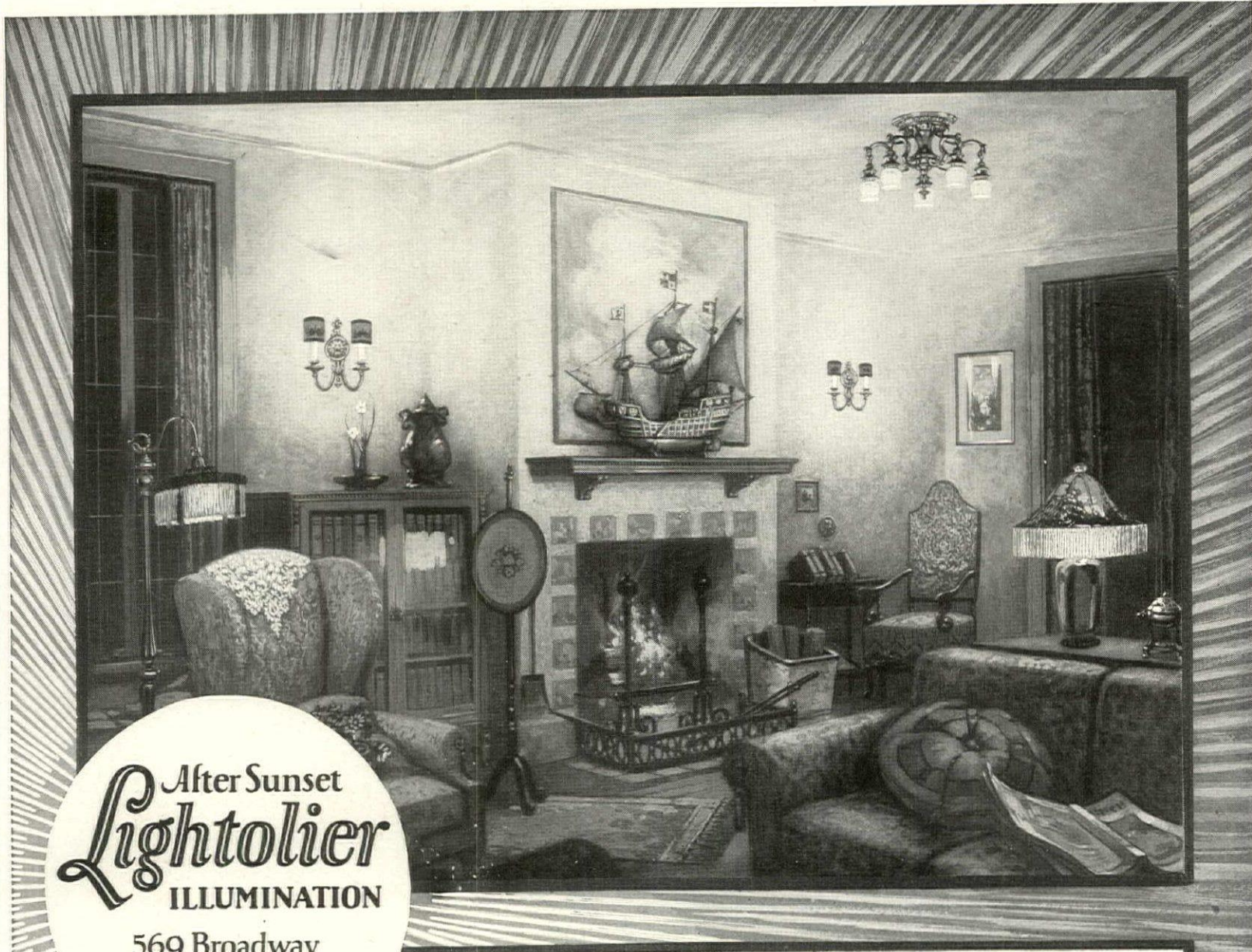
Godowsky says of the Angelus: "The true-to-life reproduction of the artists' playings, made by the Angelus, are so in advance of anything I have ever heard that comparisons seem impossible to me."



Your possession of an Angelus on convenient terms can be readily arranged. The Angelus comes in the Hallet & Davis Piano at \$1050 to \$2875; in the Conway Piano, \$750 to \$1675. Your piano or player piano can be taken on exchange.

Hallet & Davis Piano Company, Boston, Mass.—Division of Conway Musical Industries

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So to Lightolier, with its long years of manufacturing, designing, and importing of every known form of illumination, has come this greater knowledge by specialization.

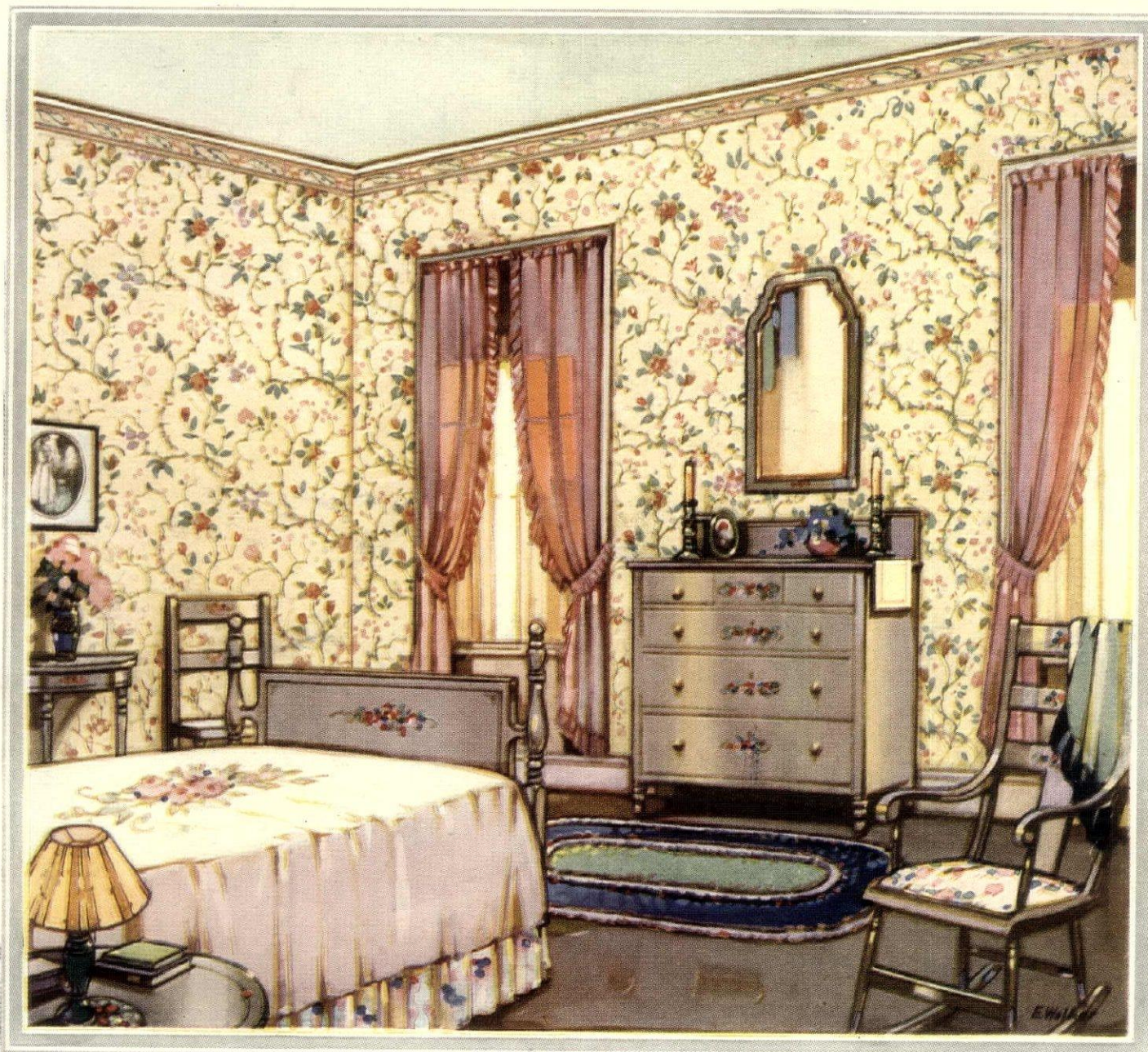
For here, in the vast old-fashioned roominess of Lightolier Galleries, unjostled by crowds, you will form a new idea of how at-

tractive and inexpensive decorative illumination may be.

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Many helpful suggestions for the correct decorative illumination of your home are contained in a free portfolio of lighted interiors. A postcard, addressed to Department H, will bring you your copy or the name of your nearest dealer.



IN practically all of America's historic homes dating from the Colonial period you will find wallpaper. Sometimes the original papers are still intact upon the walls. In other cases modern reproductions of the old Colonial wallpapers have been used to preserve an authentic atmosphere.

A sound instinct among architects and interior decorators has established Colonial design as the artistic basis of many of the most beautiful modern American homes. Wallpaper is naturally an outstanding feature in the appropriate decoration of such homes.

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Avoid substitutes. Look for the Simmons label—your health and sleep insurance—before you buy.

The rich, soft rose of curtains and bed covers floods this interesting chamber with cheerful color. Materials may be linen taffeta, Burma or Alyth cloth, plain linen or gingham. The flounces of covers and roll bolsters are of silk taffeta. The wall may be either stenciled or papered in two tones of warm cafe au lait. Note the high draping of the curtains at the French windows. Rug is plum or heliotrope chenille or wilton. French prints. Queen Anne mirror. Brass candlesticks and lamp. Beds, chiffonette and table from a complete new suite of Simmons furniture, in pearl gray, blue and darker gray. Supplied also in ivory and finishes reproducing walnut and mahogany. Bed is Design 1829. For nine other interesting schemes of decoration, write for "Restful Bedrooms" to The Simmons Company, 1347 South Michigan Ave., Chicago, or to Simmons Limited, 400 St. Ambroise Street, Montreal, Quebec.

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THE calming cadences of exquisitely wrought music — the tone poetry of such as Gabilowitsch — Bauer — Cortot — at the end of the day's rush.

Music that thrills with the very majesty of its brilliance and power. Master works performed by such as Paderewski, Hofmann and Friedman.

Music's tenderest moment — perhaps — the familiar melodies and ballads of long ago, recalled for us by the genius whose every touch is gold.

And dancing music to quicken our pulse — to tell us of youth and romance and fun.

A home beautified and blest by the wonderful charm of Music is the home that possesses a Duo-Art Piano.

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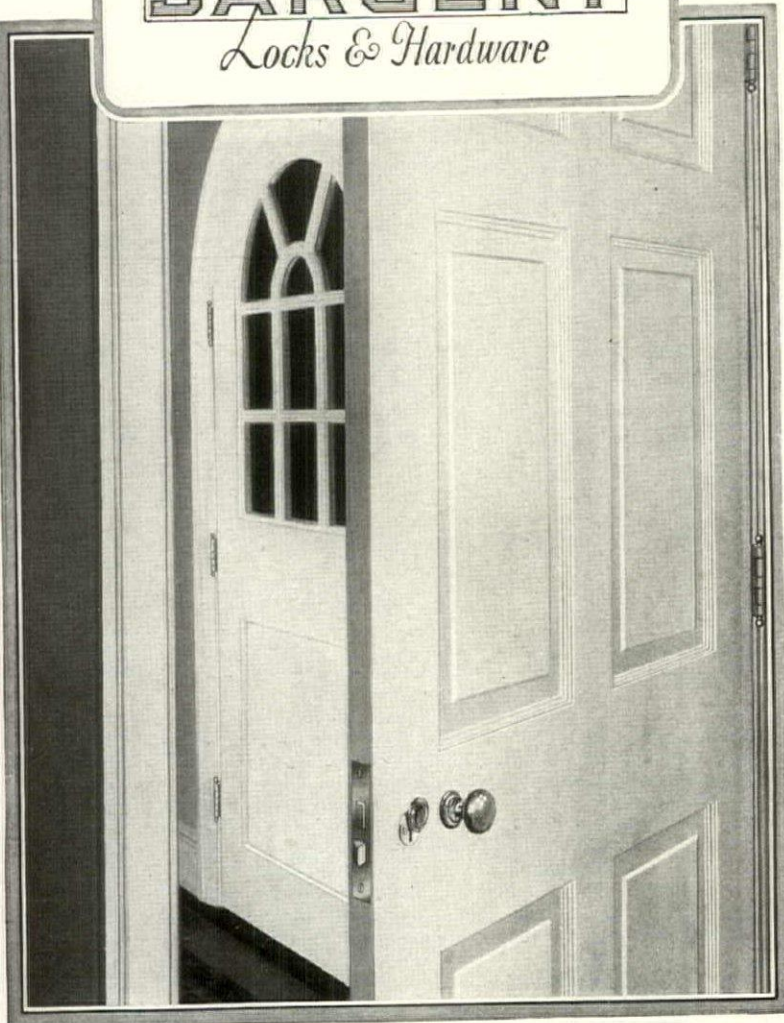
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SARGENT

Locks & Hardware



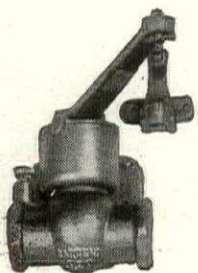
Keeping the spirit of Colonial Days

IN THIS pleasant interior, Sargent Hardware of solid, time-resisting brass expresses the very spirit of things Colonial. The horizontal arrangement of knob and keyplate is a quaint and distinctive touch—similar to the lock sets in Independence Hall.

Fine designs in Sargent Hardware are always ready to agree with fine designing in architecture. There are appropriate Sargent knobs, door handles and escutcheons for every style of building.

For uninterrupted, lasting service and security, use Sargent Locks and Hardware, including hinges and fasteners, on all doors and windows in your home. Write for the Colonial Book or the Book of Designs for patterns of other periods. Select Sargent Hardware with your architect.

SARGENT & COMPANY, *Hardware Manufacturers*
31 Water Street, New Haven, Conn.



SARGENT DOOR CLOSERS

In the well-planned home special attention is given to doors which should always be closed. The down-stairs lavatory, back stairs, refrigerator room and cellar doors are being equipped with the small, inexpensive, but mighty capable Sargent Door Closer 520. It closes these, as well as screen and storm doors, silently and surely, and keeps them shut.

HOW TO FORM A GARDEN CLUB

(Continued from page 110)

grounds receives a visit from a large committee of the club, each of whom brings her quota of shrubs and plants from her own store. Seeds and plants are constantly exchanged between members. But the true beauty of this club is its democracy. Every woman is welcome to the house in which the meeting chances to be held. I quite realize that this is possible or practicable only in the smaller community; but one cannot but dream of the time when it will be common in the large.

In some garden clubs an extra officer is elected to manage the exchanging of seeds and plants between members. This is sometimes effected by the handing in of cards with names of things wanted and of cards with names of things superfluous. One person can thus readily rectify matters to the satisfaction of all. I shall never forget the pretty sight at the meeting of a certain adorable garden club, where heaps of pink-wrapped bundles of the roots of hardy pale-yellow chrysanthemums were free for all to take home as many as they liked! For most of us things multiply so quickly. We should remember that Achillea ptarmica, The Pearl, for instance, is actually listed in many catalogues as fifteen cents, and that there are many aspiring if less well posted gardeners to whom the greedy thing is worth that sum!

In the garden club of Alma we have sixteen groups of women, each group charged with the business of growing the best flowers from seed. The groups at present are as follows: Sweet William, Zinnia, Gladiolus, Iris, Columbine, Poppy, Shasta Daisy, Geranium, Dahlia, Larkspur, Stock, and others whose names may readily occur to the reader. These groups meet at their own convenience, buy their seeds, plant and take care of the trial bed allotted to them.

A year ago a fine formal garden, whose owner was away, was lent us by this absent friend to use by our groups as a trial garden. The various beds of the garden were ideal bits of ground for this practice, and the place itself by August was a picture of beauty. We tried not to use it as a mere target to throw flowers at, but to keep the unities a little in mind. On a day in May the large borrowed garden was an interesting sight with groups of people actively engaged in cultivating, planting and sowing every bed. And in September a yet more interesting picture was there, for the flowers had done marvelously well, and squares of Zinnia, Dahlia, Petunia, Aster, Stock, Verbena and Gladiolus in a setting of well-kept turf made a pretty spectacle. It would be well if such generosity could be oftener shown in the lending of the unused garden. However, if a garden is not at hand, a vacant lot might be secured. Such trial grounds are invaluable, both for the education and pleasure which they give to members of a garden club, and as objects of public interest, comment and example.

FLOWER SHOW

An annual Gladiolus Show on very simple lines is arranged for August. This, by the way, I believe to be the simplest, most effective small flower show possible, and therefore perhaps the best with which to start. Given a broad, non-windy piazza, a few boards and barrels, some dark green cambric, five or six dozens of glass fruit jars, and the thing is done. The gilded ribbons for prizes can readily be made at home. And when one or two speakers are added, too, at the time of the flowery array, to hold forth briefly on the matter of classification, naming, and the best uses of the flower of the day, the little show is sure to become a yearly event to many people.

We have found it best to begin with the gladiolus in entering upon a course

of flower shows, but the tulip would be a comparatively simple flower to use in this way, as would the sweet pea. Daffodils would be somewhat more difficult owing to their rather involved classification. The Dahlia, however, affords a magnificent subject for garden club exhibiting. I would suggest for the very glory of it, though I do not know whether or not this has ever been done, a show composed exclusively of Rambler Roses and Delphiniums. Garlands, festoons of delicious little pink roses, ranging from those faintly tinged with color to such rich hues as are in Excelsa, arranged so they seem to start from pots of such dwarf rambles as Ellen Poulson, and at intervals in the background sheaves of blue to bluest Delphiniums!

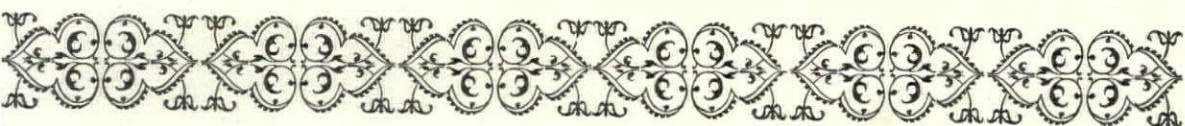
Shows of annuals only should be interesting and effective, and I hope the time may come when we shall have little shows of the finer Geraniums and dwarf Cannas that these beautiful and ever-blooming flowers may again find place in our good gardening schemes. An autumn show comprising both flowers and vegetables is often tried and found successful. I shall never forget the beauty and originality of effect of a rich basket at a recent garden club show of this type. The occupants of this basket were ears of a purplish-black corn, delicate green heads of lettuce, eggplant and the purple-blue flower of an artichoke. One could not fancy a more decorative color effect than this. A Rose show, too, suggests itself as a matter of course. And how amusing it would be to try the experiment of a show to be composed entirely of blue flowers—the varying ideas of that hue would be everywhere in evidence and what opportunities for enlightening comparisons!

That the garden club shall keep abreast of the general march of gardening knowledge a membership on the part of some officer or member is advisable in all the societies in this country which make a study of special plants, such as the American Peony Society, the American Rose Society, and so on. Also memberships in large horticultural organizations are highly desirable, as in this way the help of the many is brought to the few.

THE SOCIAL SPIRIT

Now as to the social side of the small garden club. In no other department of social life can such independence of spirit be shown as here. This is due to the fact that members and their guests are absorbed by the fascination of study and discussion of gardening in one or another of its forms; it matters not to them what they shall eat, what they shall drink—I had almost added, wherewithal they shall be clothed. For clubs in a smaller community the question of the collation is often and naturally, however, a matter for concern. Let the articles limit this as they do in the suggested constitution; but, more than this, let the individual hostess occasionally omit the pleasant cup of tea. Do not be bound by a trifling custom which fades into the background where so important a matter as garden talk is and should be uppermost.

The time is here when any beginning garden club can map out its plans with no difficulty and may start on its career with high hopes of success. It is common knowledge that the very character of the gardening interest makes people more ready to help than in almost any other form of organized work. There is something in this charming practice of working in and on flowers which gives us a rare friendship with each other. It must be that the very elements of wind, rain, sun, so freely sent us and without which we could do nothing, have their leavening influence upon the spirit, and make one generous and self-forgetting in gardening.



THE VOGUE OF ROLLS-ROYCE

NOT by any means in the sense of "temporary," but in its more liberal connotation of "preference," you hear of The Vogue of Rolls-Royce . . . an unmistakable designation of the high place accorded this unusual car in the minds of those who know. Rolls-Royce is builded slowly, and with infinite pains. It is delivered to you ready for the road—and eager! *Rolls-Royce, Springfield, Mass. Branches: New York, Newark, Boston, Chicago, Cleveland, San Francisco, Los Angeles. Representatives in leading cities.*

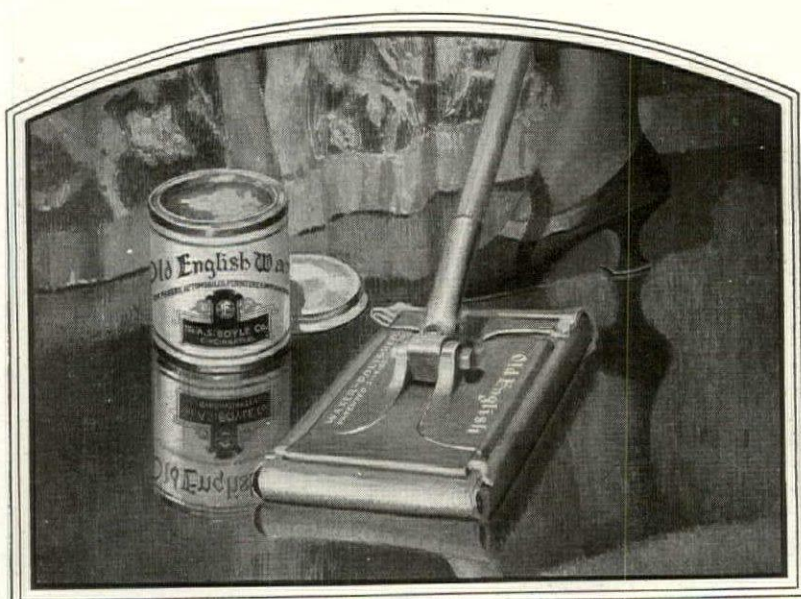
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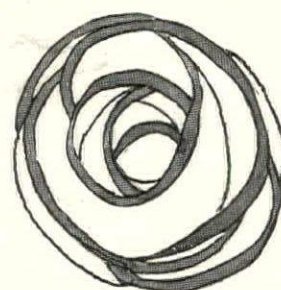
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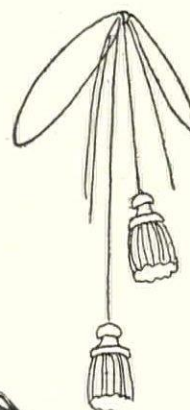


This tieback has an oval center covered in figured material and a pleated and pointed ruche of plain glazed chintz or taffeta. The Chintz Shop

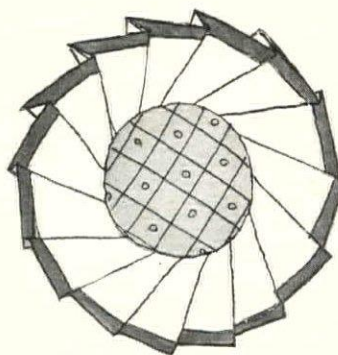
TIE-BACKS FOR SUMMER CURTAINS



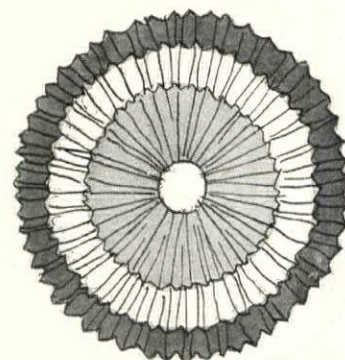
A charming tie-back for organdie curtains is this rose shaped one made of layers of organdie bound with shaded ribbon



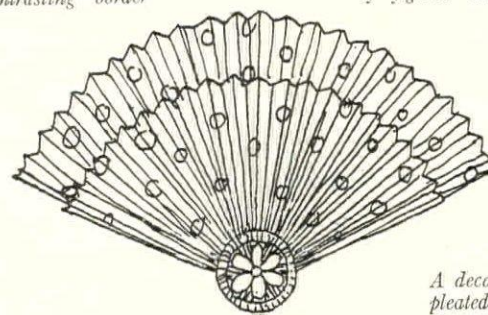
Thin curtains may be held back with silk cords with carved wooden tassels painted to harmonize. From Agnes Foster Wright



The center portion of this tie-back is covered in the material of the curtains. The pleated frill is plain glazed chintz with a contrasting border

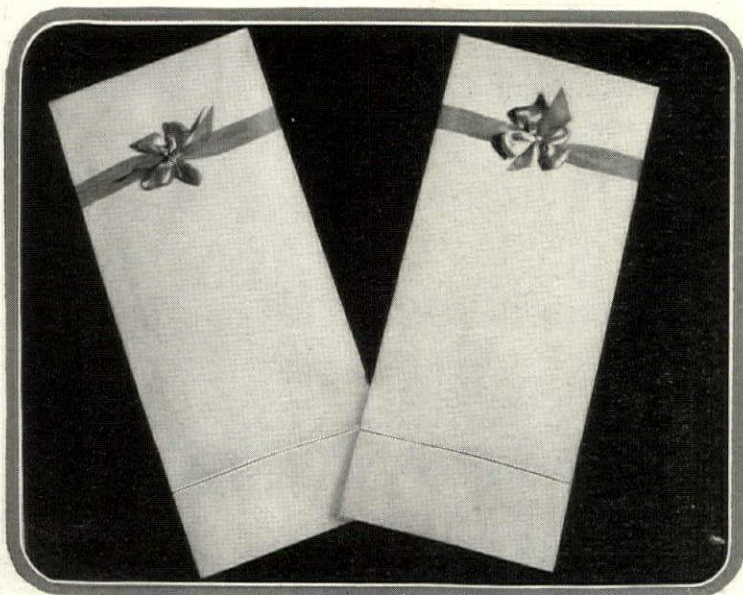


Taffeta or plain glazed chintz in three colors, each frill pleated, makes a smart tie-back particularly for curtains of figured chintz or linen



A decorative fan shaped pleated tieback. The three above are from the Chintz Shop

BEAUTIFUL WAMSUTTA PERCALE SHEETS AND PILLOW-CASES



These fine pillow-cases are made of exquisite Wamsutta Percale, single hemstitched. Size 45 x 38½

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For \$2.00 we will send you a pair of these beautiful Wamsutta Percale hemstitched pillow-cases (or one pillow-case for \$1.00). *This offer must be limited; so write today*

THIS offer is purely introductory and is made to give you the opportunity of really finding out how truly exquisite is the quality of these famous sheets and pillow-cases.

For nothing can so convince you of their beauty and texture as their actual use in your own home; and as you laun-

der them, you will be amazed at the increasing softness and loveliness of Wamsutta Percale. Its *extraordinary* wearing qualities make it a real economy.

You will like Wamsutta Percale Sheets and Pillow-Cases better than expensive linen.

They cost very much less than linen and only a little more than ordinary cotton.

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*Sheets and Pillow Cases
The Finest of Cottons*

WAMSUTTA MILLS ALSO MAKE WAMSUTTA NAINSOOK, LUSTERSHEER AND WAMSUTTA UNDERWEAR CLOTH

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The introductory offer above is limited to *two weeks*; and only one pair of pillow-cases will be available to each person. You can buy Wamsutta Percale Sheets and Pillow-Cases at all good department and linen stores—in all sizes; plain hemmed, hemstitched, or scalloped.

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Mail this coupon today

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Please send, postage prepaid, the special introductory offer of Wamsutta Percale Pillow-Cases. Enclosed is check or money order for

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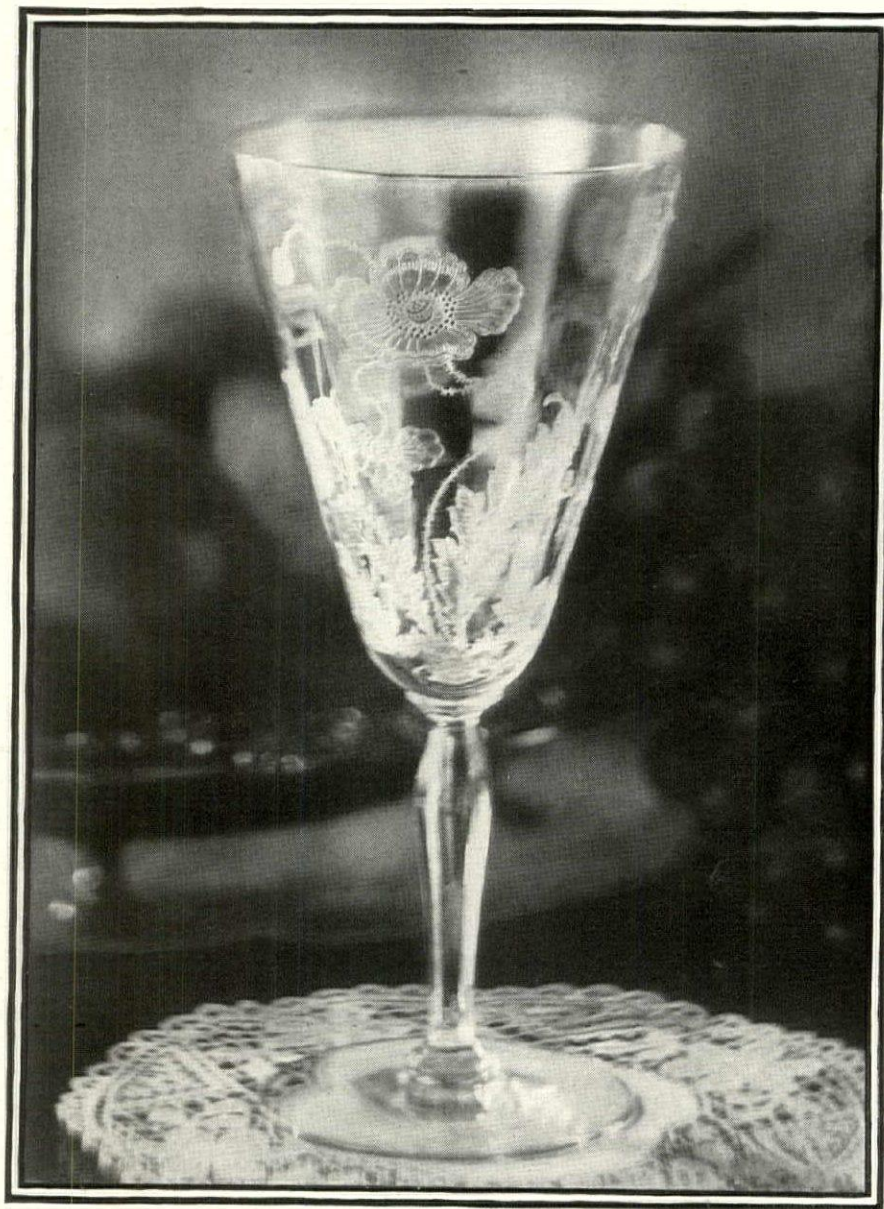
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H. G.

BUBBLES of crystal beauty captured; myriad changing lights; mystery of soft shifting colors—all part of your pleasure and pride in Fostoria Glassware. There is quality beyond question in every piece. . . . In the slender stemware, crystal clear, hand-blown, deeply etched with exquisite care; in the subtle glory of iridescent glass; in the rich loveliness of gold-encrusted colored glass, or in the simple splendor of colored glass undecorated. . . . Candlesticks, console sets, sandwich trays, salad plates, candy jars, compotes, bonbon dishes, berry sets—mentioning a few of the many beautiful things that will delight you, and from which you may make a happy choice for wedding gifts this season. You will find patterns in fascinating variety. Remember to ask for Fostoria Glassware by name. You can buy none better. The Fostoria Glass Company, Moundsville, W. Va.

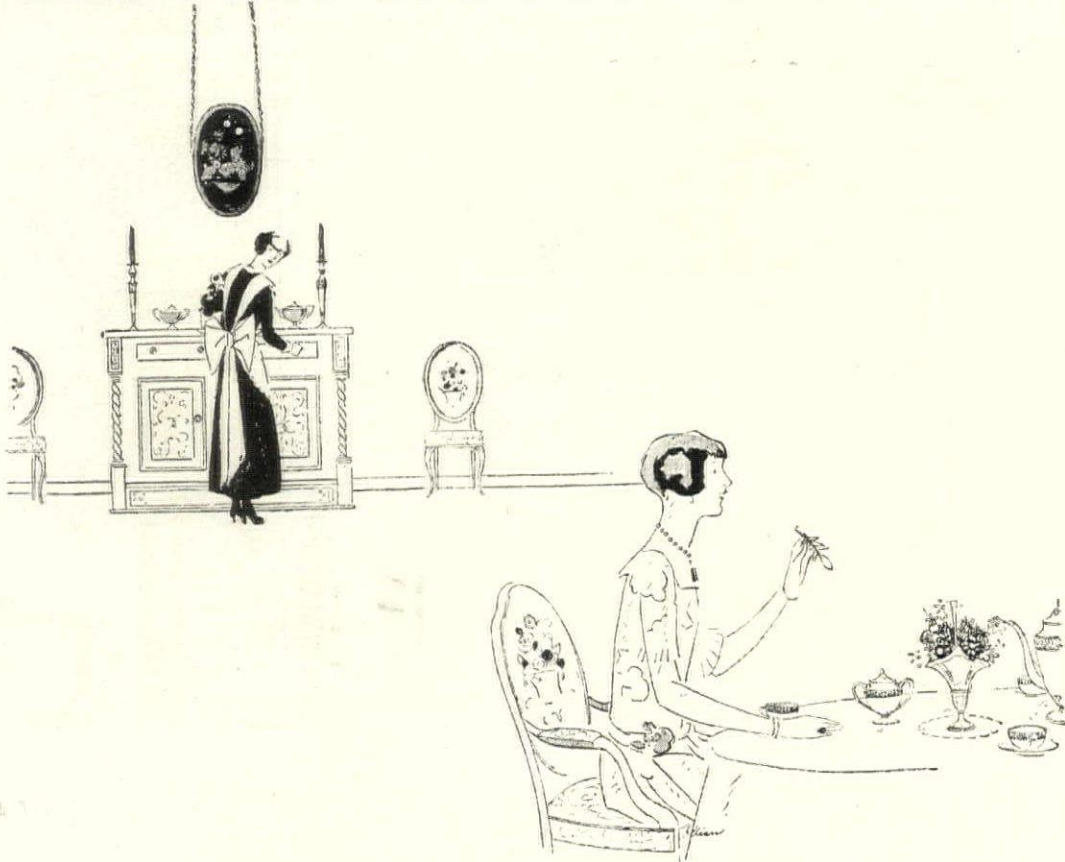
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FINE CRYSTAL AND DECORATED GLASSWARE



Goblet in the distinctive new Poppy design, hand-blown, deep plate etched.

A DISCOVERY EVERY CLEVER HOSTESS MAKES

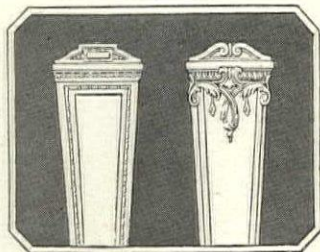


SCENE: She has attended luncheons more elaborate,—none more charming. She has seen table-settings more sumptuous,—none in better taste. But all her other friends have sterling, too, fine linens and china. What is the secret of this lovely effect? She picks up a teaspoon,—toys with it. How unusual a teaspoon! So suggestive of the hostess's own style! Suddenly it dawns on her. This table has been planned as a picture. The picture is mostly sterling. The sterling has been chosen to express the hostess.

Again and again, the quest for table-effects ends in this discovery: Silverware is the keynote. If one is the pretty, feminine type, one should choose the daintily feminine in silver,—and be careful to have it sterling.

Of all designs, most truly feminine is the curved-line design. Ruskin calls the curved line the purest form of beauty.

Among curved-line designs, quite the finest example is the Georgian



OTHER DESIGNS
Pantheon Trianon

Maid, in International Sterling. Daintiness itself is its outline. Delicate is its decoration, and so restrained that it serves to emphasize the grace of the curves. While the whole is wrought with that fineness which is possible only in solid silver.

Thus Georgian Maid attains a general effect of sheer feminine loveliness, which is exactly the style in which the daintily feminine type hostess is at her best.

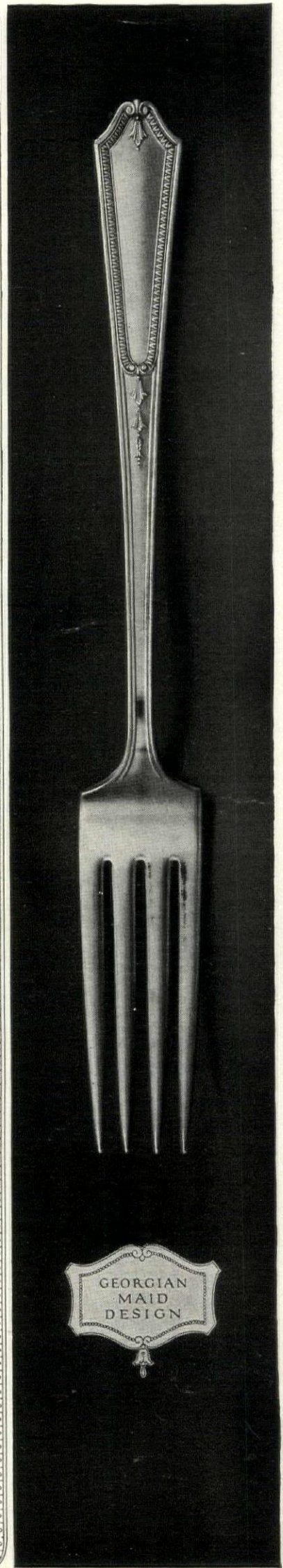
Georgian Maid has been developed in a complete, correct table service. A book showing all the possibilities on request. Your jeweler can arrange for you to see actual pieces.

Address Dept. 1-84, International Silver Company, Meriden, Conn.

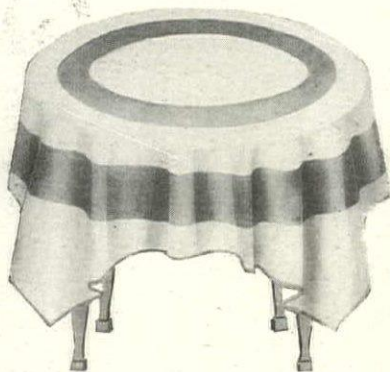
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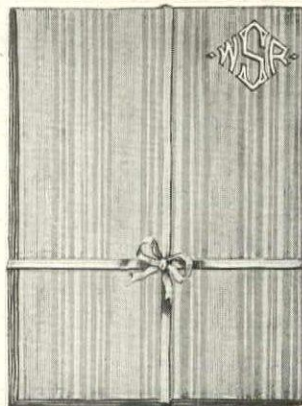


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Now Proceeding
GREAT PRICE REDUCTIONS

No. 1001—Satin Band Design. Pure Linen Double Damask Table Cloths and Napkins, Square or Round Designs.

Cloths	Sale Price
2 by 2 yds.	\$13.50 ea.
2 by 2½ yds.	16.75 ea.
2 by 3 yds.	22.50 ea.
Napkins:	
22x22 in.	\$14.50 doz.
27x27 in.	19.50 doz.



No. S. S.—White Crinkle Bed Spread, with Art Knot Monogram, embroidered in color desired, boxed and laundered.

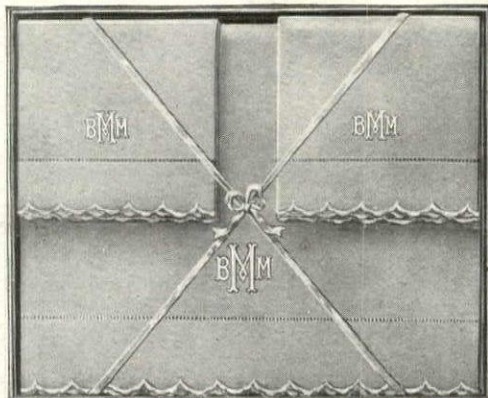
	Sale Price
Single Bed Size	\$4.75 each
Double Bed Size	5.75 each
Without Monogram:	
Single Bed Size	\$2.70 each
Double Bed Size	3.60 each



No. 1045—Pure Linen Hemstitched Fancy Weave Towels. Size 18x22 in. Sale Price, \$9.45 doz.

No. 30 (as illustrated) — Fine Quality Percale Sheets and Pillow Cases, hemstitched and scalloped. Set comprises two 72x104 in. Sheets and two 45x36 in. Pillow Cases, complete with hand embroidered Monograms, boxed and laundered.... Sale Price, \$17.50 set

Or with 90x104 in. Sheets..... Sale Price, \$20.00 set



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 Mah Jongg Card Table Covers with pockets for counters, in Pure Cream Linen, embroidered in Blue, Rose, or Green. Sale Price \$2.50 each.

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Blueleaf Grape, *Vitis Bicolor*, is one of the handsomest American grapevines. Its foliage shows dark green above and bluish beneath

HARDY CLIMBERS FOR THE GARDEN

(Continued from page 71)

racemes two and two and one-half feet long are cultivated in Japan and also a purple-flowered form with racemes which I myself have measured sixty-four and one half inches long! These plants are always grown by the side of ponds and streams and the stems trained to form an arbor, and it is unlimited water supply during the time of flowering that accounts for the phenomenally long racemes.

The Japanese Wistaria is hardier than its more widely known Chinese relative and therefore deserves to be more generally cultivated in the north. The flowers are slightly smaller and open rather later but are fragrant and equally beautiful. The white, purple, and pinkish forms are perfectly hardy.

Quite recently a third Oriental species (*W. venusta*) has been recognised. This has short, broad racemes of pure white flowers larger than those of other species and leaves clothed with persistent soft hairs. This is the best of all for forcing and growing in tubs but for the trellis or pergola is not so useful since its flowerbuds are apt to get winter killed.

A root-climber that should be in every garden is the Climbing Hydrangea (*H. petiolaris*) which bears at the ends of short lateral branches flat clusters eight to ten inches across of white flowers. It is perfectly hardy and does well on walls with a north or west exposure, on buildings and on trees. The leaves are of good size, deep green in color and the plant is not subject to insect attacks or disease. This climber is abundant throughout the moist forests of Japan, where I have seen trees from seventy to eighty feet tall laden with masses of flowers of this Hydrangea.

A smaller Japanese climber and even more beautiful than the preceding but, unfortunately, less easy to establish, is *Schizophragma hydrangeoides*. It is very like the Climbing Hydrangea in foliage and habit but the inflorescence on the outside has pure white ovate bracts instead of four-partite sterile flowers. This plant is difficult to procure though the name appears in most catalogs of nursery stock but the plant supplied is almost invariably the Climbing Hydrangea.

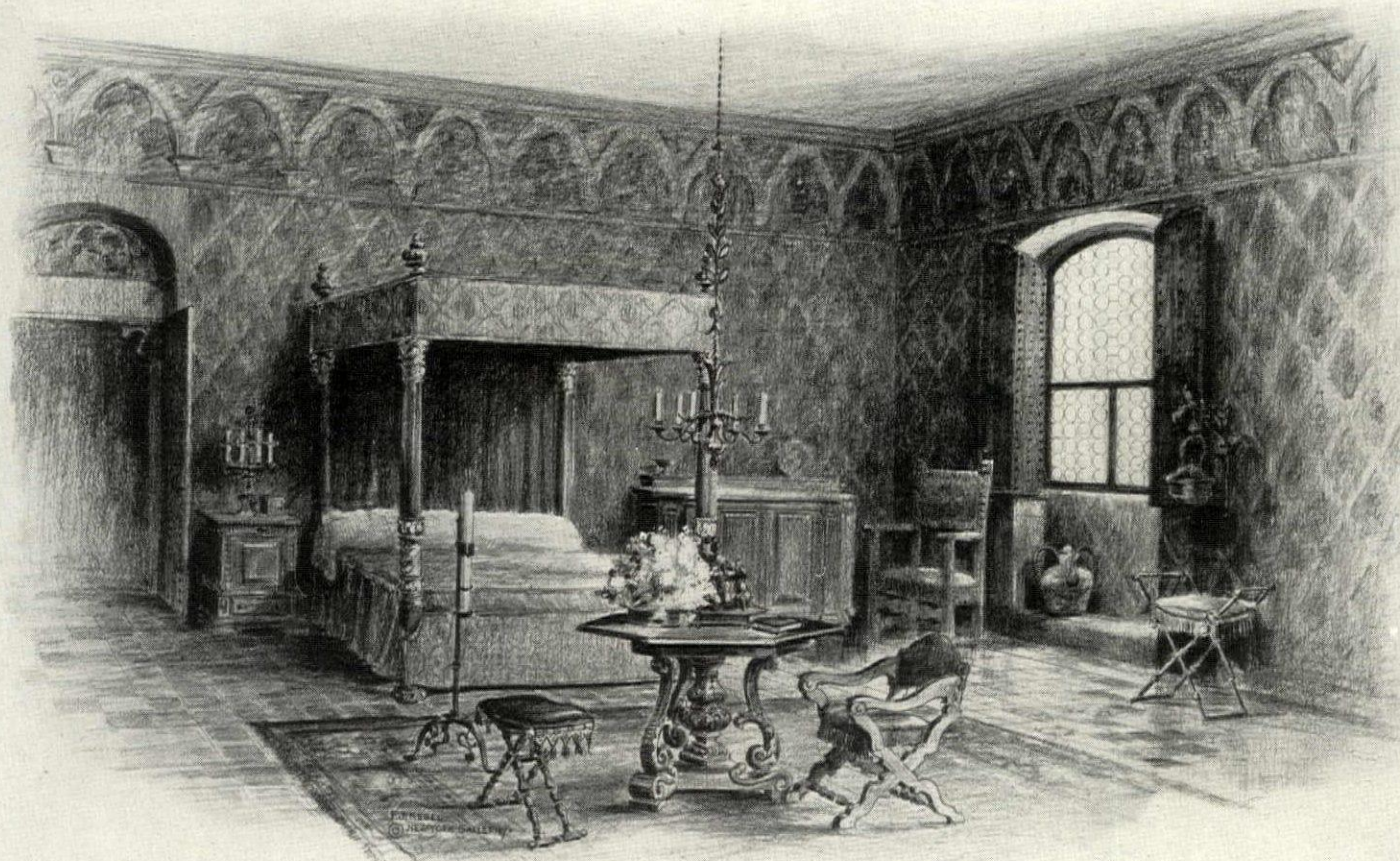
A comparatively new, hardy, and very beautiful plant native of Japan and Korea is *Tripterygium Regelii*, with brown, spotted stems, bright green leaves and large clusters of small white flowers which are followed by curious, winged fruits. Two lovely twining plants fast

winning favor under the popular name of Fleece Vines are *Polygonum baldschuanicum* and *P. Aubertii*. They grow from 8 to 12 ft. tall and produce masses of white flowers and form a fleece-like drapery of singular beauty. With age the flowers change to pink. These plants are not always easy to establish but are well worth a little extra trouble.

Clematis has more variously colored flowers than any other genus of hardy climbers. There are species with white, blue, pink, scarlet, claret-red, and yellow flowers and their flowering season is from the early summer until autumn. They are excellent subjects for trellises, low walls and arbors but it should be remembered that these plants are fond of lime. The large star-shaped flowers of the Oriental *C. patens*, *C. florida* and *C. lanuginosa*, the European *C. viticella* and their various colored garden forms; and the Jackmani hybrids which are mixtures of all four, captivate the attention wherever seen. The white flowered *C. montana* from eastern Asia is an old favorite. A variety of this (var. *rubens*) with rose-colored flowers from two and one fourth to three inches across and dark foliage, which I had the pleasure of introducing to cultivation in 1900, is acclaimed by many garden-lovers to be one of the most beautiful of all the Clematis. Around Boston it has not proved completely hardy; but at Newport, R. I., some good examples may be seen. The white-flowered *C. Fargesii* and the summer-blooming *C. montana* var. *Wilsonii* with large fascicles of flowers are also desirable plants. In June blossoms the Chinese *C. tangutica* with its pale green leaves and lovely clear yellow, top-shaped flowers and the scarlet-flowered *C. coccinea* from Texas. Another hardy species is *C. glauca* and its variety *akebioides* from northern China with bronzy yellow, obconical flowers produced in August. In early September the Japanese *C. apiifolia* is a billowy mass of small white flowers and with its well-known fellow countrymen, *C. paniculata*, is indispensable.

The native Trumpet-vine (*Campsis radicans*, better known as *Tecoma radicans*) is a common and much appreciated climber, more especially the variety *praecox* and the hybrid *C. hybrida*. But these are in size and beauty of flower surpassed by their Chinese relative *C. chinensis* which unfortunately is much less hardy. In the Chinese plant the

(Continued on page 122)



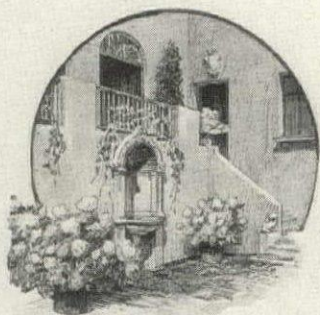
Like its XIV Century prototype, its walls in gesso embellished with beautiful frescoes, each detail of this room's decoration and appointments is reminiscent of one of the most brilliant periods in Florentine history

The Age-old Art of Interior Decoration

A FINE interior, such as the Sleeping Room pictured above, is truly a work of art—its conception demands the trained judgment of the *connoisseur*. Its creation, however, requires every facility for acquiring or producing the furniture and decorative accessories without which so distinguished a background would be devoid of interest.

Whether your predilection is for an interior endowed with the historic charm of a mediaeval *palazzo*, or you prefer the atmosphere of livableness and quiet elegance associated with the houses of XVIII Century France and England—this establishment may be depended upon to carry out each detail of decoration and furnishment to a successful conclusion.

No finer furniture has been produced in this or any other age than the beautifully wrought cabinetry on view in these Galleries, where you are not only welcome to the suggestions of experienced decorators but are free to stroll about and derive as much inspiration as your leisure permits.



New York Galleries

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Forty-eighth and Forty-ninth Streets

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China-like is the only word that describes the finish produced by Satinette.

Hardware and paint dealers handle Satinette. Architects specify it. Decorators are glad to use it. If you are unable to secure it conveniently, we will supply you direct.

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Two Helpful Books free

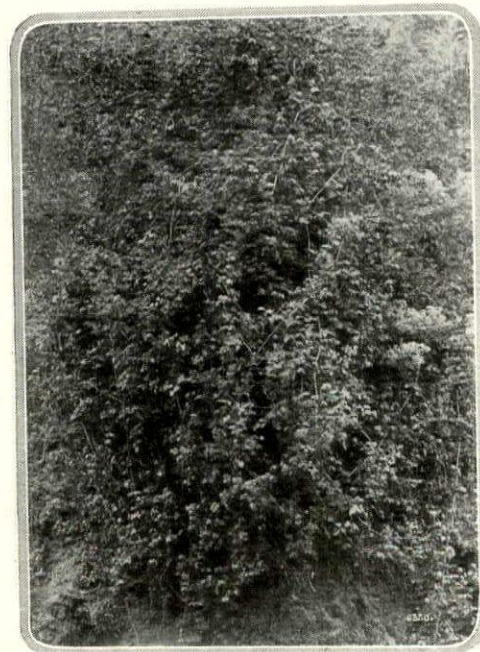
"Immaculate Distinction" gives attractive suggestions on finishing Colonial interiors,—also inside information on distinguishing quality enamels from cheap enamels and on applying enamels for best results. "Modern Floors" similarly covers varnish.



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Check here if you want us to include information about other famous Standard Varnish Works products.

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Name and Address



Bronzy-yellow obconical flowers appear in August on Clematis Glauce Akebioides making an unusually brilliant showing

HARDY CLIMBERS FOR THE GARDEN

(Continued from page 120)

flowers are orange-scarlet and the shade is more pleasing than that of the American kinds. Closely related to these is the Cross-vine (*Bignonia capreolata*), abundant in the southeastern States, and has large trumpet-shaped flowers, orange-yellow within the tube, dark scarlet without.

Among the American species of Honeysuckle there are several good hardy climbers but the best is *Lonicera Heckrottii*, a hybrid of unknown origin. From the middle of June until the early frosts appear this plant is in blossom. The clustered flowers are deep rose-color without and pale yellow within and though fragrant only in the evening they are very beautiful. Very vigorous growers are *L. flava* and *L. glaucescens*, with yellow flowers, *L. sempervirens* with scarlet flowers and the hybrid *L. Brownii* and its form *fuchsoides* with wine-colored flowers. Of the European Honeysuckles or Woodbines, (*P. Periclymenum* and *L. Caprifolium*) there are several varieties one of which (var. *belgica*, known as the Dutch Honeysuckle) is continuous blooming. A new Oriental species of surpassing merit is *L. tragophylla* with large heads of three-inch long, rich, golden yellow flowers. Many climbing honeysuckles are subject to attacks of black aphid and they can only be kept in good condition by careful spraying with an antidote early in the season as the leaves unfold.

There are several vines of great value for their attractive fruits and among them the native Waxwork (*Celastrus scandens*) and its relative *C. articulata* from northeastern Asia are good trellis plants but they are seen to best advantage as a tangle on and over large rocks. In the autumn, when laden with yellow fruit which opens and exposes the seeds with their brilliant orange-scarlet covering, there are few plants of equal beauty. If branches be cut just as the fruit commences to open and placed in vases without water the ornamental value is retained throughout the winter.

In foliage the most delicate and attractive and in fruit among the most beautiful of all climbers is *Ampelopsis aconitifolia* and its variety *palmiloba*. The leaves are finely dissected and the fruit, which is freely produced, changes as

it ripens from white to pale purple and clear turquoise blue.

Two excellent vines which retain the dark green leaves later into the fall than any other are *Akebia quinata* and *A. lobata*. These are hardy stem-climbers and with good foliage, rather inconspicuous flowers and ornamental, fleshy fruit containing an edible pulp.

One of the most vigorous, hardy, and popular of all stem-climbers is *Actinidia arguta*, which has glossy green leaves and red stalks and small, saucer-shaped flowers with numerous stamens and black anthers. There are two forms of this and all other species of *Actinidia* one with purely male flowers and another with perfect flowers. Two other Japanese species of *Actinidia* (*A. kolomikta* and *A. polygama*) are in cultivation and in the latter a varying number of the foliage leaves are white passing to pinkish and increase the attractiveness of these plants. Unfortunately cats have a strong partiality for *A. polygama*, clawing and tearing into shreds, and good examples are rare seen. The handsomest of the *Actinidia* and one of the most beautiful of all climbers is *A. chinensis* and it is much to be regretted that this valuable plant is not hardy so far north as Boston, Mass. It is a vigorous grower with large leaves varying in shape from nearly round to ovate and pointed, and large white flowers changing to buff color, deliciously fragrant flowers. The shoots and leaves when young are covered with crimson hairs which add much to the appearance of the plant. The fruit is rounded to oval from one and one half to two inches long, russet-colored and more or less hairy. The skin is very thin and the flesh green, sweet, and pleasant to the palate, and is excellent for dessert or for making preserves. In the south and west there is a future for this *Actinidia* not only as an ornamental but also as a fruit-bearing climber. Although discovered in 1846, it was not introduced until 1900, when I first sent seeds to England.

Of climbing plants with handsome leaves no class exceeds in vigor and beauty the Grapevines (*Vitis*). Many beautiful species are native of this country, but the noblest of all is *V. Coignetii*

(Continued on page 124)



A House a Minute
 Every minute of the working day enough Lehigh Cement is used to build a six-room concrete house with concrete walk, cellar floor, sidewalks and driveway.

**LEHIGH
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ENOUGH Lehigh Cement to build a six-room house, every minute of the working day! This is Lehigh's response to the country's call for better roads, better buildings, better living conditions for everybody.

Lehigh is the largest manufacturer of cement in the world—more than 16,000,000 barrels in 1923!

Lehigh has sixteen mills stretching

from coast to coast, with advantageous railroad and shipping facilities for speedy distribution, and Lehigh dealers are located in almost all sections of the country ready to give prompt and efficient service to all cement users.

This complete organization is ready to meet the 1924 demand for **LEHIGH**—**THE NATIONAL CEMENT.**

Look for the dealer with the blue-and-white Lehigh sign

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LEHIGH—THE NATIONAL CEMENT

HARDY CLIMBERS FOR THE GARDEN

(Continued from page 122)

from northern Japan. This vine has broad, heart-shaped leaves of enormous size and much substance, dark green and netted above with a felt of brown hairs on the underside; in autumn the foliage changes to vivid scarlet and crimson. It is the most vigorous of hardy vines and in the moist forests of northern Japan climbs to the tops of trees sixty feet tall, and in the thickets, glades, and on the margins of woods and swamps, makes an impenetrable jungle. The fruit is jet black, globose, and edible and the plant is one to which breeders of new fruits might well turn their attention.

Temperate North America is remarkably rich in species of *Vitis* and in the Arnold Arboretum no fewer than fourteen are perfectly hardy on the trellises. All are good and it is not easy to make a selection. Among the handsomest are *V. cinerea*, *V. bicolor* and *V. Doamiana*. The first-named is a most vigorous plant with leaves dark green above, ashy gray below and, like the young shoots, clothed when they unfold with a felt of gray hairs. The second species is equally vigorous and has large deeply lobed leaves which are dark green above and bluish green below. The third is a com-

paratively new plant, native of the Texas Panhandle but is quite hardy and fast growing with large rather pale bluish green leaves of very firm texture.

Three most widely grown climbers remarkable for the brilliant autumn colors of their leaves are the native Virginia Creepers (*Parthenocissus vitacea*, *P. quinquefolia*) and the Boston Ivy (*P. tricuspidata*, better known as *Ampelopsis Veitchii*) a native of the Orient. The hardiest of the trio is *P. quinquefolia*, which in nurseries is usually sold under the name of "*Ampelopsis Engelmannii*". This is hardy as far north as Ottawa, and clings to walls and buildings by means of discs at the ends of the tendrils. There are several varieties, but the best is var. *San-Paulii*. In Europe *P. quinquefolia* is little known and there *P. vitacea* passes for it. This, however, is a very different plant which will not cling to walls but with its shining green leaves and rich autumn tints it is splendid for trellises. Two other beautiful but less hardy species are *P. Henryana*, which has a white stripe down the center of each lobe of the leaf, and *P. Thomsonii* with reddish leaves claret-purple on the underside.

THE CARE OF THE FLOOR

(Continued from page 87)

Do not paint a hardwood (maple, oak, mahogany, etc.), floor, but dye (stain) it. You can get dyes which will give you any effect you want. Paint is delightfully effective on the soft wood floors. The cracks can be filled with fillers and the top treated with a floor wax and your floors, hard or soft wood, become things of beauty. In regard to dyes (stains) and fillers always be careful to give the manufacturer the details of the sort and color your floor happens to be as there are so many shades and varieties that you can get just what you need.

Choose the best floor wax you can get. You need to use so little of it that the best is inexpensive and worth while. A good floor wax and kindly care will send your floors to your descendants, as wood is thoroughly dependable.

The wax rejuvenates any floor whether it be varnished, shellaced, or painted. Too much wax is worse than too little. It is not meant to make oil wells, it is meant to decorate and preserve.

The care of the floor is not onerous. All that it requires is system, so that it does not get ahead of you. System is the key to beautiful floors and as the floor care, once you get it well started, is inexpensive, and as there is a beautiful conspiracy among the manufacturers to give you what is needed of floor cosmetics, you, with the easy schedule of floor care, will be amply rewarded for little effort.

For kitchen floors, rubber tile, linoleum and its near relatives: tile, concrete and wood, all have their places. If you use wood in the kitchen it is well to use the resistant varnishes, and use mats on much used spaces. When coated with these varnishes, water and grease are not inimical. With the wood floor a

scraping, varnishing and waxing will always restore it to its original beauty.

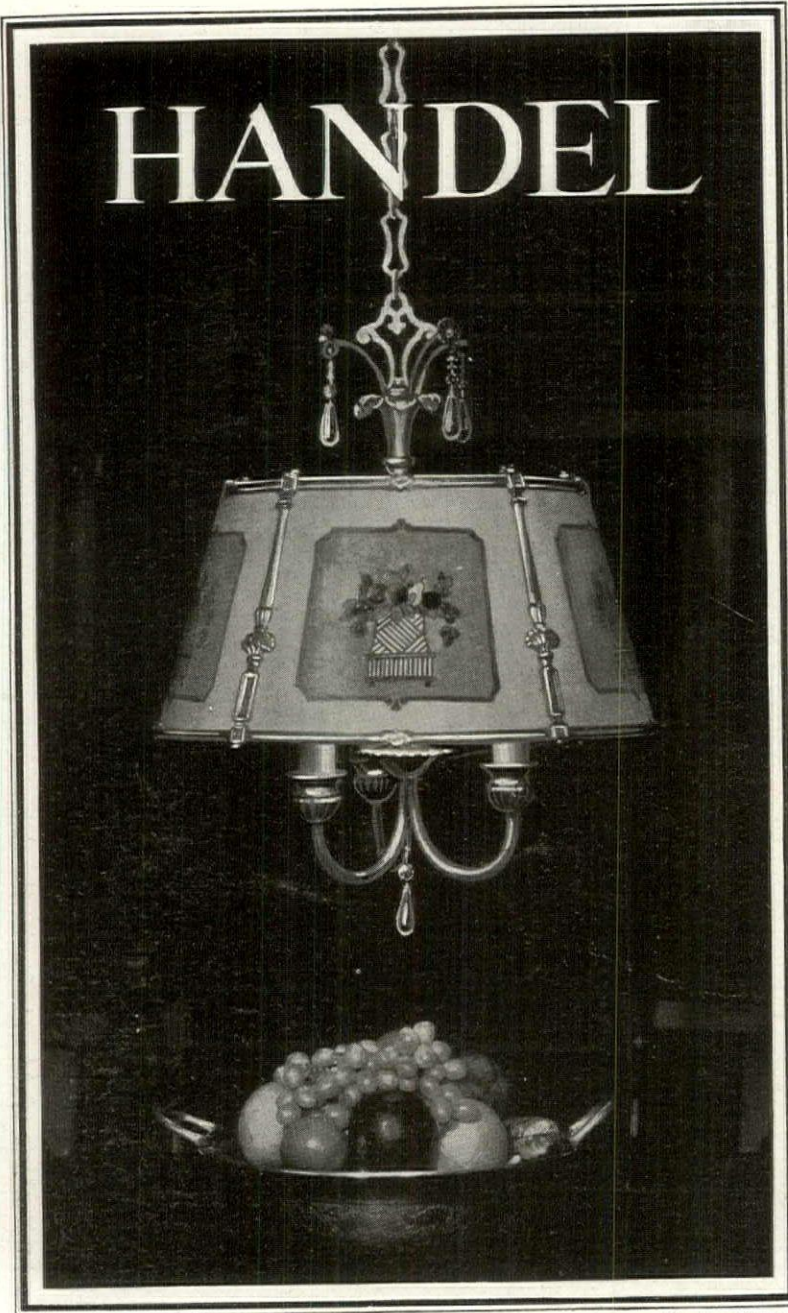
Never use an oil mop on a waxed floor. The oil mop is good for the painted floor, however. Furthermore, when the shellacs wear, the wax should be used as a rejuvenating element.

The kitchen must have a floor that is comforting to the foot and the back, for it is essentially the daily laboratory where there is much walking about. It must be a floor that looks well and that is easily kept looking well, or it becomes an added burden and but scatters discomfort and disturbances. Even though wood is lovely it does mean care in the kitchen, yet when finished correctly it is less trouble, of course.

When oiling or waxing the floor give these coatings time to soak in, for it is their penetration into the pores of the wood which does the protective work; and although the effect is attractive their chief function is to protect. Some people use linseed oil, warmed, for floors, yet it is far less trouble to buy a floor wax.

So, in conclusion, it is worth while to employ any floor you desire and the upkeep of none is bothersome if you care for it systematically.

After all, the floor is the underpinning of each and every part of the home; it is worth your thought, for it ties together whatever is put on it. If you do not wax, rub down and systematically care for your floor and permit useless trucking over it, and do not cap your furniture with smooth shod feet and legs, you will be but cheating yourself of beauty; not only of your floor but of the home itself. For the floor condition spreads restlessness, or restfulness, to everything and everyone. It is the unescapable entity in every perfect home.



Pendant S-971

A new note in dining-room fixtures

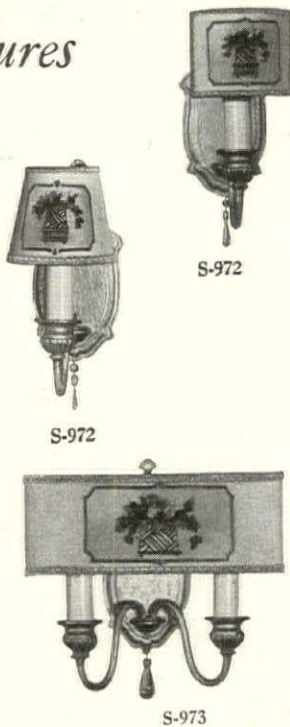
HANDEL has designed a new type of electric-lighting dining-room fixtures that harmonize artistically with the gleam of silverware and spotless napery.

The pendant illustrated will add charm to any dining-room. Cast in enduring metal, this pendant is fitted with three graceful candle lights and finished in Polychrome silver with decorative turquoise prisms. The distinctive beauty of this pendant is completed by the new Fabrikon shade—eighteen inches in diameter with oil-painted decorations and finished with an iridescent sheen.

Side-wall sconces are made in similar design in Polychrome silver. Made with single and double candle lights, each decorated with tear-drop prisms. When fitted with either the Fabrikon shields or Fabrikon shades, these side-wall sconces add to the beauty of any dining-room. For the two-light sconces a choice is offered in the style of shades—a Fabrikon shield that fits across both lights, individual shields or individual shades.

Look for them at your favorite shop, or write us for the name of nearest dealer. The name Handel is on every Handel lamp and fixture—look for it.

THE HANDEL COMPANY, Meriden, Conn.



HANDEL Lamps & Fixtures





Selected for exhibit by the Metropolitan Museum of Art

COLFAX—the newest Silver Service

FASHION follows many fancies. But true beauty of fine line and quality last forever.

New decorative modes show a distinct tendency toward the Colonial—chaste in spirit—yet with much more richness and ornamentation.

This exquisitely designed silver service, Gorham's latest creation, is Colonial in its beautiful simplicity of shape,

but very new in its delightful hand chasing—an effect which is at once dainty and sturdy.

Practical, too, for its dignified elegance renders it useful on many kinds of occasions, formal or informal.

For ninety years America's Leading Silversmiths, Gorham produces the finest silver at prices that are no higher than you pay for ordinary ware.

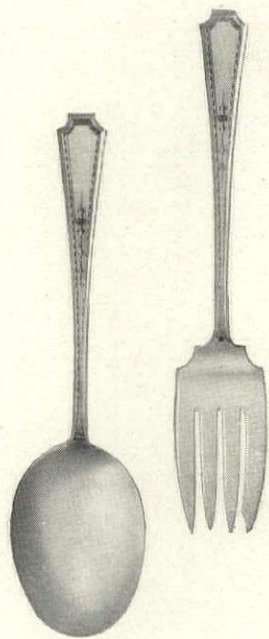
Your jeweler will show you Colfax and other Gorham productions.

GORHAM

NEW YORK

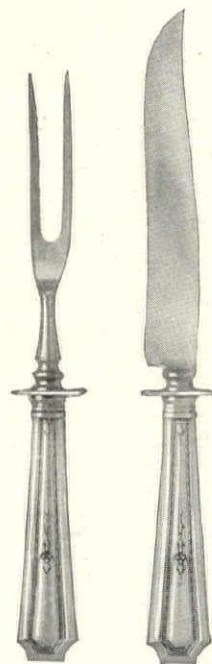
PROVIDENCE

Gorham Silver Polish makes the care of silver easy



SERVING SPOON and MEAT FORK

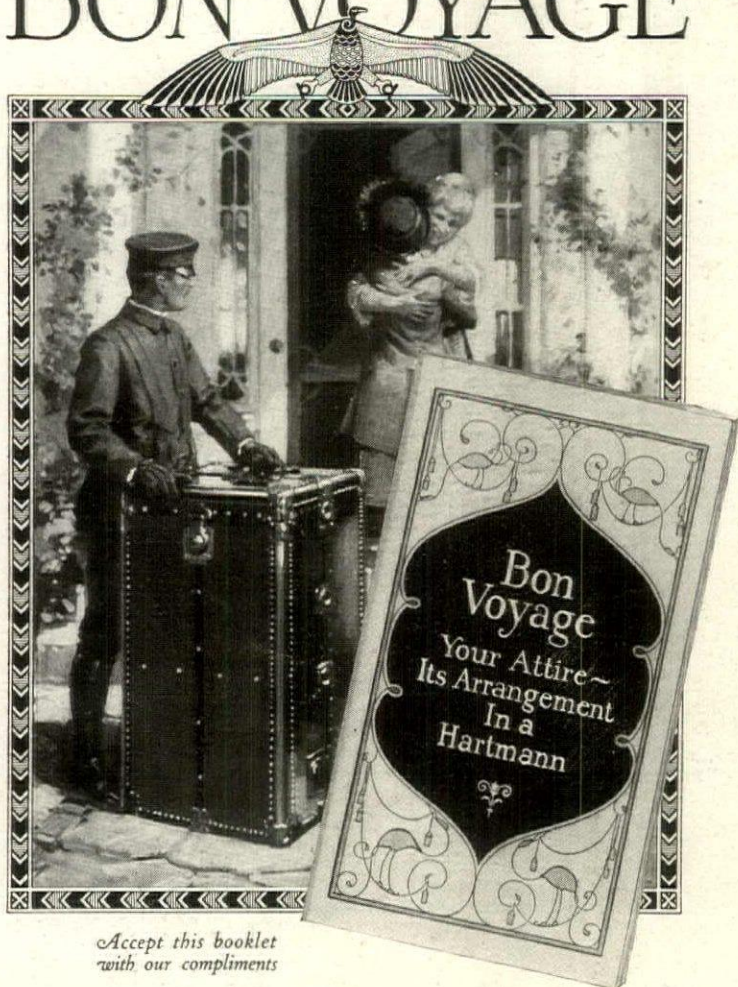
These exquisite pieces, together or separately, have many uses: Cold meats, salads, entrees, desserts. Spoon \$8.50. Fork \$6.50.



STEAK SET

For the informal meal this sterling steak set is charming. Three pieces make an unusually smart gift. Knife \$5. Fork \$5. Steel \$4.75.

HARTMANN BON VOYAGE



Accept this booklet with our compliments

"Bon Voyage" is part of our regular service to over half a million users of Hartmann Wardrobe Trunks. It contains valuable suggestions on clothes selection and arrangement.

It will, we believe, give even the most experienced travelers suggestions which will add to their enjoyment of the extended journey or short business and pleasure trips. To know and to take advantage of these suggestions will insure a more care-free journey.

This booklet is well illustrated, showing just what to do and exactly how to do it. Ask any Hartmann dealer for a copy of "Bon Voyage"—or fill out and send us the request below.

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 Gentlemen: Without obligation, please send me a copy of your booklet, "Bon Voyage."
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BE SURE THE HARTMANN RED X IS ON THE TRUNK YOU BUY



The flowers of the Rhododendron are among the most majestic of Spring. They should be removed before going to seed

AZALEAS AND RHODODENDRONS

FRED F. ROCKWELL

ONE class of plants which we could spare least of all from our gardens would be broad-leaved evergreens—azaleas and rhododendrons. And it should be good news to American garden lovers that efforts are being made to propagate them here. This is only natural, because there are many sections of this country to which rhododendrons and azaleas are indigenous and where the natural conditions for their growth are ideal.

There is surely an important field for both rhododendrons and azaleas in American landscape gardening. I use the term "landscape gardening" for want of a better phrase. Perhaps "home planting", though that sounds somewhat humble and homely compared to the other, would come nearer to expressing the meaning intended. Time was, and not so very long ago, when rhododendrons and azaleas, and a good many of our most beautiful decorative plants, were used almost entirely on country places or estates where the service of a professional landscape architect and an imported gardener were available. All this has changed. The big estates we still have with us, but they are now a very minor instead of a major factor in the use of the better grades of landscape material. There are now a thousand persons interested in the use of rhododendrons and azaleas and the better decorative evergreens, where there were ten interested a few years ago.

In this era of planting in America,

this crystallization of the sentiment that "it's not a home till it's planted", rhododendrons and azaleas fill a place all their own. There is hardly a suburban home in the country with any "grounds", which cannot use at least a few of them to advantage. Not only do they lend a touch of color in landscape work which nothing else can impart, but also, particularly in the case of the rhododendrons, their foliage furnishes a decorative feature in itself and supplies a background for other flowering plants.

Along with the scarcity of rhododendrons and azaleas resulting from the quarantine placed upon them, there has been another factor which has kept them from universal use. This is the fact that they require an acid soil to grow in. Although this is generally known, either carelessness on the part of the planter or the difficulty of obtaining leaf mold from hard trees, or other material to make the soil acid has frequently resulted in unsatisfactory growth after the plants were set out.

The lack of an acid soil, however, is no longer a serious handicap to the general use of rhododendrons and azaleas by the amateur. As a result of many years of careful research and experimenting with the requirements of acid-tolerant, or rather acid-demanding plants, Dr. Coville of the Department of Agriculture at Washington, D. C., has developed a practical method of providing the proper soil conditions so far as acidity is

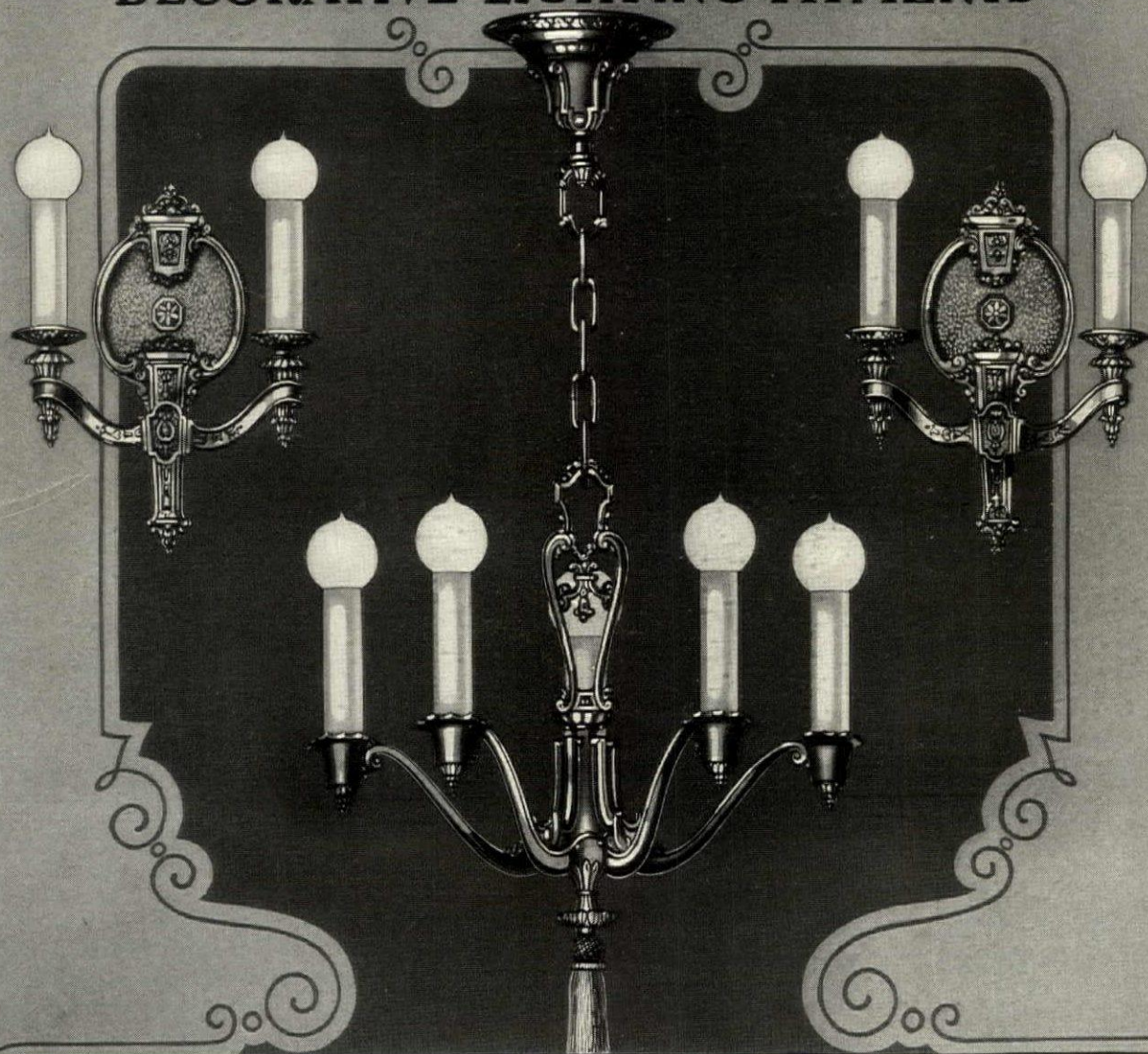
(Continued on page 130)



In May Mountain Laurel bushes are crowded with pink blossoms which, set against the glossy green, graceful leaves, are a sight to behold

Riddle

DECORATIVE LIGHTING FITMENTS



The standard of fine residential lighting

RIDDLE Fitments have not only become widely accepted as the standard of good taste in lighting for homes and apartments, but they also represent a very definite standard of value. But if you are to benefit by the value offered, it is important to get genuine Riddle Fitments. Look for the Riddle tag on each fitment, and for the name stamped on every piece.

The 1924 Riddle styles in the Esperanto Decoration are now being shown by Authorized Dealers, who will be found competent to aid you in making a satisfactory selection for any room or for an entire installation for a new home, or to replace old-style lighting fixtures. The moderate price range, from \$4 to \$52.50, permits a satisfactory choice within reasonable limits.

Name of nearest Authorized Riddle Dealer and booklet of styles will be sent on request

THE EDWARD N. RIDDLE COMPANY, TOLEDO, OHIO

Makers of Decorative Lighting Fitments since 1892



Hospitality Dressed in Silver

GLEAMING linen, dimpled shoulders, jewels sparkling in soft flames of candles, half hidden flowers, solid silver—these graces are high lights of beauty that relieve the dull dailiness of life. To finer natures they are the telling points in the drama—or comedy, maybe—of living with one's self, one's family, one's friends. Without them our play is Hamlet without even the ghost.

Designs in Treasure Solid Silver—as in the William and Mary Pattern pictured on this page—are made for life's high occasions, not merely for your own days, but for length of days through generations. Practical in that they are genuine; irrefragable in that they are works of art. At leading jewelers.

Brochure on request

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10 KENWOOD STREET



Silversmiths & *Creators of Distinctive Tableware*
GREENFIELD & MASSACHUSETTS



"Treasure" Solid Silver

Sterling $92\frac{5}{1000}$ Fine

in the William and Mary Style



© ARCO, 1924

LOVELY — but will the guests stay?

THE architect and the decorator have done their best. The room is "correct," "in good taste." It has "charm."

But all these virtues are not enough. To have an atmosphere of welcome, a *subtle something else* is necessary.

That subtle something is supplied by an unobtrusive servant in the cellar. His name is "IDEAL" and the warmth which he sends through American Radiators makes a mere room a *human* place in which to laugh and linger.

Wouldn't you like to trade your old heating plant for this IDEAL Boiler? You can. For IDEAL TYPE A pays back its cost in the fuel it saves. Write to the office below for the book that tells how.

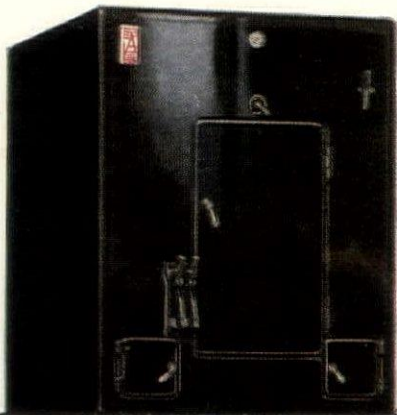
IDEAL BOILERS
 COAL • OIL • GAS
 and **AMERICAN RADIATORS**
save fuel

AMERICAN RADIATOR COMPANY
 Your Heating Contractor is our Distributor

Dept. 102 1803 Elmwood Ave., Buffalo, N.Y.

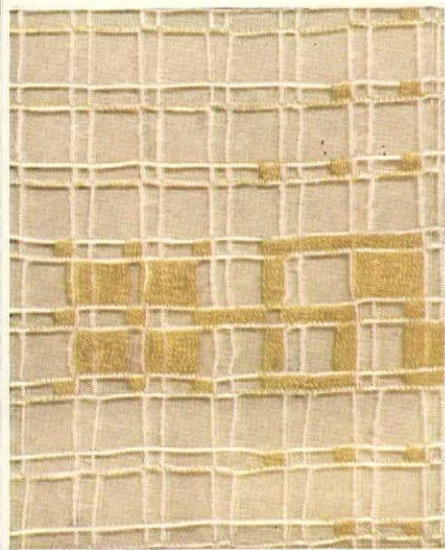
Branches in all principal cities

IDEAL
 TYPE A





The Boudoir of Mrs. Sidney J. Colford, Jr. (formerly Mrs. Reginald Vanderbilt) showing curtains of Quaker Oxford Cross Net in the sunshine color.



Small section of Oxford Cross Net Curtain in actual size showing the general character of the net. The threads have been dyed before weaving, which makes more subtle and delicate color possible than by any other method.

A Booklet That Will Help You

Booklets "Concerning Window Draperies" and "Twelve New Ideas for Decoration" will be sent free if you mention the name of the best retailer handling window draperies in your city or shopping center. Otherwise enclose ten cents in stamps.

"LET THERE BE SUNSHINE!" SAYS FASHION

THE gloomy, even the ultra-formal house is "out."

The cheerful, informal house is "in."

Nowhere is this more marked than in the decoration of the windows.

Overdrapes are pushed back till now they are mere strips framing the sides of the window.

The old standard window shade in many places gives way to silk gauze hung with draw-strings so as to let in light from the very top of the window.

The windows are curtained with the most open of net (or lace) curtains to properly break up and distribute the light and to veil the window.

Net or lace is chosen because it is the most open of materials—so open that someone has half humorously—but wholly accurately—described it as a collection of holes held in place by strong threads.

Now fashion demands that this cheery window

treatment be carried a step further.

"Add a touch of sunshine," says fashion, "and your window is perfect."



The decorators first attempted to get this sunshine effect by using a net curtain dipped in golden dye.

This gave a fairly satisfactory result in the room but was too splashy in color when seen from outside the house.

To weave color into a net or lace so that a haze of color results, rather than a splash, is the Quaker art.

There are several new Quaker Craft Lace Curtainings that meet fashion's decree, the most favored being Oxford Cross Net, in Sunshine color or a combination of Sunshine and old rose or blue; Sunshine Casement; and Colonial Filet Net in Sunshine or colonial blue—all both sun-proof and tubproof.

QUAKER LACE COMPANY

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LOVELY — but will the guests stay?

THE architect and the decorator have done their best. The room is "correct," "in good taste." It has "charm."

But all these virtues are not enough. To have an atmosphere of welcome, a *subtle something else* is necessary.

That subtle something is supplied by an unobtrusive servant in the cellar. His name is "IDEAL" and the warmth which he sends through American Radiators makes a mere room a *human* place in which to laugh and linger.

Wouldn't you like to trade your old heating plant for this IDEAL Boiler? You can. For IDEAL TYPE A pays back its cost in the fuel it saves. Write to the office below for the book that tells how.

IDEAL BOILERS
 COAL • OIL • GAS
 and **AMERICAN RADIATORS**
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IDEAL
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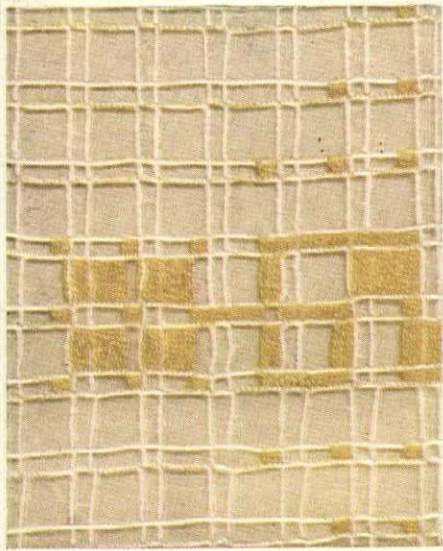
AMERICAN RADIATOR COMPANY
 Your Heating Contractor is our Distributor

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The Boudoir of Mrs. Sidney J. Colford, Jr. (formerly Mrs. Reginald Vanderbilt) showing curtains of Quaker Oxford Cross Net in the sunshine color.



Small section of Oxford Cross Net Curtain in actual size showing the general character of the net. The threads have been dyed before weaving, which makes more subtle and delicate color possible than by any other method.

A Booklet That Will Help You

Booklets "Concerning Window Draperies" and "Twelve New Ideas for Decoration" will be sent free if you mention the name of the best retailer handling window draperies in your city or shopping center. Otherwise enclose ten cents in stamps.

"LET THERE BE SUNSHINE!" SAYS FASHION

THE gloomy, even the ultra-formal house is "out."

The cheerful, informal house is "in."

Nowhere is this more marked than in the decoration of the windows.

Overdrapes are pushed back till now they are mere strips framing the sides of the window.

The old standard window shade in many places gives way to silk gauze hung with draw-strings so as to let in light from the very top of the window.

The windows are curtained with the most open of net (or lace) curtains to properly break up and distribute the light and to veil the window.

Net or lace is chosen because it is the most open of materials—so open that someone has half humorously—but wholly accurately—described it as a collection of holes held in place by strong threads.

Now fashion demands that this cheery window

treatment be carried a step further.

"Add a touch of sunshine," says fashion, "and your window is perfect."



The decorators first attempted to get this sunshine effect by using a net curtain dipped in golden dye.

This gave a fairly satisfactory result in the room but was too splashy in color when seen from outside the house.

To weave color into a net or lace so that a haze of color results, rather than a splash, is the Quaker art.

There are several new Quaker Craft Lace Curtainings that meet fashion's decree, the most favored being Oxford Cross Net, in Sunshine color or a combination of Sunshine and old rose or blue; Sunshine Casement; and Colonial Filet Net in Sunshine or colonial blue—all both sun-proof and tubproof.

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Lace Works and Accounting Rooms:
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GOOD FURNITURE re-makes a room—it re-decorates, at moderate cost. A few carefully selected pieces freshen things up—a *new* room. Simonds period reproductions and modern patterns are found where the utmost care is used to carry out design faithfully. Also in the smaller home, where just a few good pieces are wanted to obtain a nicer effect. Simonds furniture is making more beautiful interiors. At all good dealers—*genuine values*.

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Individualism in Good Furniture

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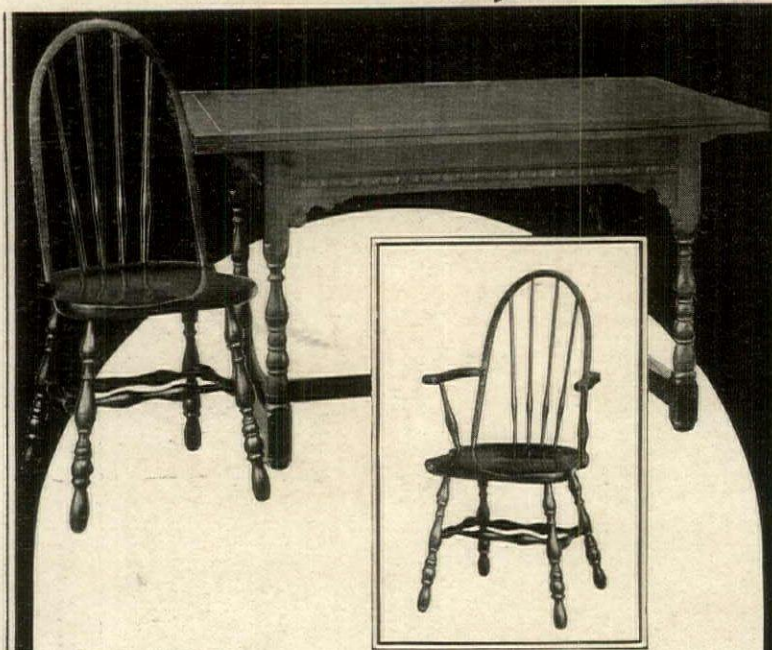


CHICAGO

HASTINGS THORO BRED TABLES



Your request will bring this interesting booklet containing many fascinating suggestions for enriching your home ~



A Charming Group for Many Purposes

For the apartment dining room, for the breakfast room, or as a double purpose group for the informal living room, this bright happy little Hastings suite is charming in any setting.

The ever popular Windsor chairs have been given a new grace of line by Hastings designers. The draw top table pulls out double capacity to meet an infinite number of living and entertaining requirements.

Finished in Italian walnut, this suite typifies the perfection of design and workmanship notable in all Hastings furniture. Surely it will bring to your dining room or some other room in your home a new touch of refreshing beauty.

HASTINGS TABLE COMPANY

Hasting, Michigan

FACTORY SALES OFFICE AND DISPLAY, GRAND RAPIDS, MICH.
Direct all correspondence to the plant at Hastings, Mich.

HASTINGS

HASTINGS THORO BRED TABLES

Furniture

The MARK of FRED E. HILL and his associates

AZALEAS AND RHODODENDRONS

(Continued from page 126)

concerned. Dr. Coville's method of soil treatment for acid-loving plants is merely an addition to the soil, with much the same method that you would use ordinary commercial fertilizer, of aluminum sulphate. Repeated experiments have proved that even on soils which are normally acid, and which give satisfactory growth with this class of plants, the addition of this material has resulted in a remarkable increase in vigor and size of growth. The amount which should be applied varies from half a pound per square yard on "sweet" soils to a quarter of a pound on soils which are neutral, or slightly acid.

Aluminum sulphate is used extensively in chemical industries and is not expensive. In large quantities it can be purchased at about \$3 a ton.

The next thing in importance to preparing the soil is the mulching of the plants. The ordinary method of planting, which consists of setting the plants in a bed or an open border with the surface of the soil exposed to the hot sun, produces the wrong conditions. Early in the spring, the plants should be carefully given a thick mulch. Any of the following materials may be used: tan bark, pine needles, rough leaf mold, or commercial "humus" mixed with rough leaf mold.

If the two conditions mentioned above are provided, and if the plants are kept free from lace bug and Pestalozzia by removing the infested leaves, anyone can grow rhododendrons anywhere. The physical character of the soil has little effect one way or the other. I have seen plants grown in the peaty soil of Holland, transferred to heavy clay and to light sandy soils, and therein thrive equally as well as where they had been grown.

Late in the fall, unless there have been abundant rains, the beds should be given a thorough soaking, to provide moisture

through the winter for the evaporation which takes place through the leaves; and an additional mulch of leaves or other rough material, some six inches deep, may be provided for the winter.

There are, unfortunately, only a few serious diseases or insect pests to bother your rhododendrons and azaleas. In many sections they are not troubled at all. In some localities and in some seasons, the rhododendron lace fly may develop in numbers sufficient to somewhat injure the foliage. This is a very small insect which eats out part of the substance of the leaves. The presence of the fly may be determined by the brownish rusty appearance of the leaves on the surface and the excreducescences of the insects, which give the appearance of a sort of brown smut on the under surface. The lace bug attacking the azalea is distinguished by the whitening of the upper surface of the leaves, and the presence of numerous small, spiny, sucking bugs. These are hatched the latter part of May or April. Both the rhododendron and the azalea lace flies can be controlled by spraying with whale oil at the rate of six pounds to fifty gallons of water. Apply to the under leaf surfaces as soon as the nymphs are noted in the spring.

The most common disease is the pestalozzia, which develops in the form of brown or black spots on the foliage. The simplest method of controlling this is to remove the infested leaves, cutting them off carefully with a sharp knife, instead of pulling them. Incidentally, the same treatment required for controlling the pestalozzia is also effective against the lace fly. If the leaves are watched carefully in the spring and removed as soon as the lace flies appear, spraying, which it is quite difficult to do successfully on account of the nature of the foliage, will seldom be necessary.

HEATING SYSTEMS

DONALD M. FORFAR, M. E.

WHAT kind of a heating system shall I install?

Times without number that question has been asked by the home builder. Whatever it is, it must be right; and to be right, it must produce results in the form of comfort.

The types of heating systems used in house work may be divided into three classes: warm air, hot water, and vapor (steam) systems. Now, which shall it be?

Does the construction used in the house itself have any particular bearing on the subject? No, but the size of the house has. Are there any cases where any one of the three systems mentioned will give equally satisfactory results? Yes, but factors are invariably present to cause a stronger bearing toward some one.

What, then, shall it be? Warm air? Hot Water? Steam?

THE WARM AIR FURNACE

The warm air furnace is not only one of the simplest, but also one of the oldest types for providing heat from a central point. Briefly, the operation is as follows:

The air supply to the furnace is taken either from the outside (fresh outside air) or from the inside (re-circulated air) or a mixture of the two, as may be desired. In each case a duct is provided leading from the furnace to the point of supply. A screened opening in the basement foundation wall (sometimes a basement window opening is used) serves as the fresh air intake, while the re-circulated air is taken from some point on the first

floor through a large floor register or other convenient arrangement. The air supply after entering the furnace passes up and over the heated body of the furnace proper to the top and thence through distributing flues to the outlet registers located in the various rooms to be heated. The entire action is based on gravity flow; that is, the air in passing through the furnace is expanded by the heating and becomes lighter than the entering air, this creating a constant circulation as long as the furnace is kept in operation.

The entering air to the furnace is not capable of holding a great amount of moisture, and if moisture is not added to it before it enters the rooms, the air will absorb moisture from various objects in the room, such as woodwork, plants, people, etc. To overcome this trouble, a water pan arrangement is provided in connection with the furnace so that the hot, expanded air will pass over and absorb moisture through evaporation.

Mistakes in the earlier designs of warm air furnace systems with resultant unsatisfactory performance made many enemies for this type of heating plant and were a large factor in the rapid growth of the present-day hot water systems. During the last few years, however, the problem has received very careful and thorough study, both from the scientific and practical standpoints, with the result that the furnace system is again gaining in strength. Present-day warm air furnace installations can, and do, produce the desired results. Properly designed and

(Continued on page 132)



Vladimir de Pachmann *loves* the Baldwin piano. Through the medium of Baldwin tone, this most lyric of contemporary pianists discovers complete revelation of his musical dreams. For a generation de Pachmann has played the Baldwin; on the concert stage and in his home. That loveliness and purity of tone which appeals to de Pachmann and to every exacting musician is found in all Baldwins; alike in the Concert Grand, in the smaller Grands, in the Uprights. The history of the Baldwin is the history of an ideal.

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V. de Pachmann.

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THE BALDWIN PIANO COMPANY

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AWARDED GOLD MEDAL OF HONOR IN NATIVE INDUSTRIAL ART
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Write for illustrated booklet and pamphlet, "How Kensington Furniture May Be Purchased."

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MANUFACTURERS AND IMPORTERS
DECORATIVE FURNITURE ~ ART OBJECTS
NEW YORK

Showrooms: 14 East 32nd Street

HEATING SYSTEMS

(Continued from page 130)

installed, the warm air furnace system is the ideal system for the small house of, say, up to six or seven rooms. It is relatively cheaper in cost than corresponding carefully designed and installed water or steam plants, is considerably quicker in action and lends itself much more readily to proper control of humidity and fresh air admission.

If you should decide to install a warm air furnace system in your small home, see to it that the following points are properly cared for:

1. Each room to be heated should receive separate consideration. Size of warm air flue and all connections should be made large enough, so that the volume of air delivered will be adequate to keep the room warm under the most severe weather condition.

2. Furnace size must be ample to heat properly the total air volume required at periods of most severe weather conditions. As the ratings used by various furnace manufacturers are not always to be relied upon, the safest course is to place the business in the hands of some responsible contractor or furnace company and abide by their decision. Remember that adequate grate area and adequate heating surface are both equally essential.

3. The furnace should be equipped with an evaporator pan of large surface capacity and arranged with an automatic water feed valve located outside the furnace casing for easy inspection and piped up so that a constant level of water will be maintained in the pan at all times.

4. Location of furnace with respect to the various rooms to be heated should be as central as possible and the length of flue runs from furnace to the outlet registers in rooms as short as possible.

5. Use registers and register boxes designed to give full area connections to the warm air flues. Many times, particularly where wall registers are used, both the flue connection and the register box are restricted in area in an attempt to get everything within the limited space afforded by the standard 2 x 4 stud partition. Wall boxes and registers are now designed to extend from 2" to 4" out from base board at floor line in order to get the required area.

6. All sheet metal work from furnace casing itself, up to and including register boxes, should be made of bright galvanized or tinned sheet metal all joints to be soldered air-tight. Install a volume damper with control handle in each separate flue.

7. Remember that you are dealing with gravity flow proposition. Cool air falls, warm air rises; therefore, make sure that all warm air flues, particularly those portions run at basement ceiling, have as much upward pitch as possible. Pit the furnace if necessary to accomplish this.

HOT WATER AND STEAM

In both the hot water and steam systems cast iron radiators are used to transmit the heat of the water or steam to the room. The hot water system is the one most commonly used in home work, both large and small. In the last few years, however, steam or so called vapor systems have gained considerable favor, particularly for the larger installations.

For home heating work, both hot water systems and steam systems are, in general, designed for gravity flow. In the hot water system, the water on being heated expands, becomes lighter per unit volume, rises through the piping system to the radiators, where it loses its heat, and thence flows on down through the return piping to the boiler, where it is again heated and the cycle repeated.

In the steam or vapor system the action is essentially the same, except that steam instead of water flows from the boiler up through the piping system to the radiators where it is condensed, the water of condensation flowing back to the boiler.

In a hot water system the amount of radiation used depends upon the maximum temperature to which the water is to be heated during most severe weather periods. For home work it is desirable not to place this maximum temperature at more than 1600 Fahr., installing sufficient radiation and boiler capacity to do the work at this maximum temperature. One of the most desirable features of a hot water heating system is the moderateness of the heat and the wide range possible in the water temperature, thereby enabling one to vary the amount of heat according to the weather requirements.

In the steam system the amount of radiation used is considerably less than in a water system, due to the higher temperature of the steam, exact amount of radiation in any case depending upon the steam pressure to be carried. For home work, practically all steam systems are the so-called vapor systems.

Vapor heating systems may, in general, be classed as a steam system under such control that the water in the boiler is brought just to the boiling point and held at that point. Under this condition, the steam (vapor) produced is at atmospheric pressure or, possibly, a few ounces above. Water pattern radiation is always used so that the steam connection to the radiators may be made at the top, fractional control inlet valves being used for throttling down the steam supply at each radiator to meet the heating requirements.

Of the two types of systems, the water is the simpler and more easily understood as to operation. All vapor (steam) systems have various automatic auxiliaries in the way of return traps, air reliefs, pressure regulators, etc., which look more or less mysterious to the average layman and particularly to the housewife. Either system is adaptable to use in small homes, as well as large, and the cost will run approximately the same

STEAM HEAT

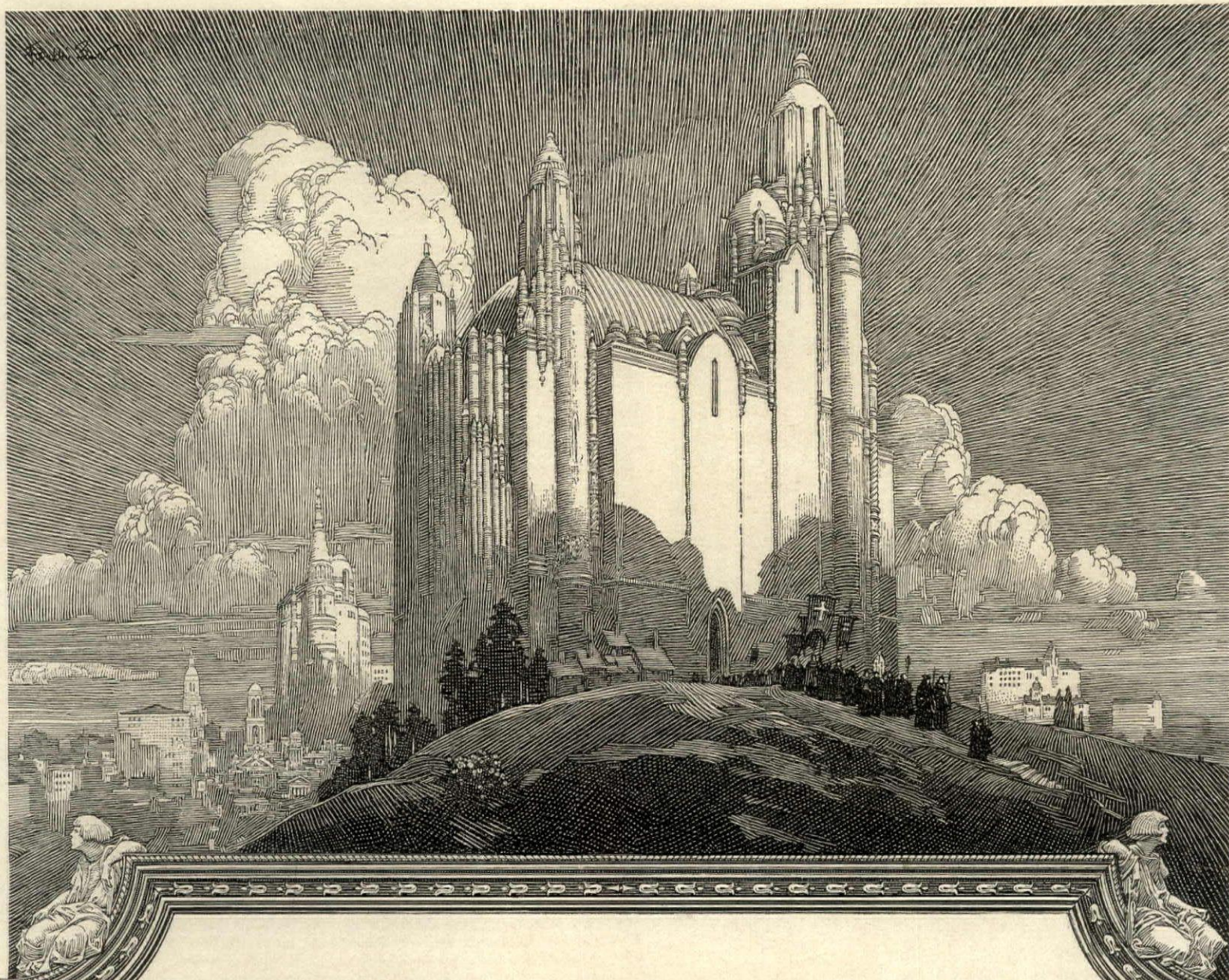
The steam system is the quicker to heat, but also the quicker to cool, if the fire is allowed to get low, while in the case of the water system, conditions are just the reverse, that is, it takes longer to heat up the water throughout the system, but the water body retains the heat and cools off slowly.

No matter which system of heating is used, the radiation amounts, boiler size and design of piping system should be given the most careful consideration by someone competent and experienced along that line. We have all heard of those trouble cases where insufficient radiation was installed or too small a boiler used. Any incorrectly designed or installed piping system, however, is liable to give far more trouble and is much harder to correct.

Just one word here relative to boiler sizes. The small cast iron boilers (steam or hot water) used for house heating work are, for the most part, rated in terms of square feet of radiation (steam or water). Experience has shown that, to be on the safe side, boilers with ratings equal to twice the square feet of radiation actually installed in the house should be selected.

Note—This is the second article on the mechanics of the home contributed by Mr. Forfar. The first appeared in the January issue.





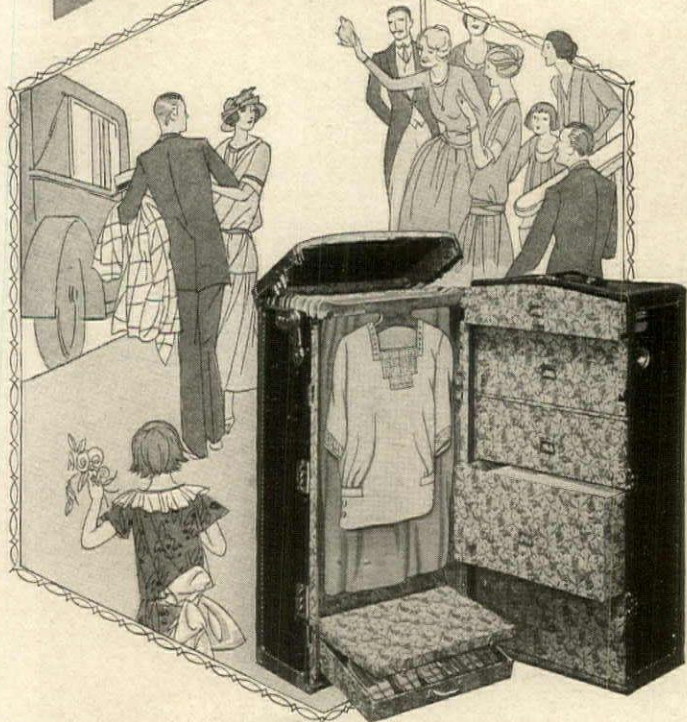
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Among the plants suitable for a shady spot where the ground needs to be covered is *Pachysandra terminalis*, a trailer that makes a glossy mat

A SHADY TERRACE GARDEN

(Continued from page 90)

the little pool and bird baths, the birds themselves, and all the varied charm of foliage and of flowers.

What life running water does give to a garden! Here is a pool at one end, surrounded with foliage and flowers that furnish the motif for the rest of the garden.

Around the pool, are low flowers that love to be tucked in between the rocks, as they love to be tucked into stone paths and steps: the rose matting of the *Phlox subulata*, the grey and lavender haze of the *Nepeta*, the springtime gold of yellow *Alyssum*, the esoteric bloom and foliage of the soft yellow *Primulas*, the whiteness of *Arabis* that companions the early *Iris*. Then there is the *Artemesia*, called by some Southernwood or Old Man, which has no bloom to boast of but is altogether charming as an edging and ground cover because of its delightful foliage. Then there are *Clove Pinks*, for June bloom and fragrance, and *Canadian Violets*, and *Irises* that look well with their sword-like foliage even after they have bloomed. The mid-summer *Funkias*, too, have a place among the rocks and then form repeats in the borders, while the *Artemesias*, *Nepetas*, *Pansies* and *Gypsophila*, some rose *Petunias* and small

Veronics form the low, colorful edging.

Among the rocks is the charming foliage of *Bleeding Hearts*, and here and there, like rare plants, a *Spiraea* or a *Larkspur*. These taller plants are also used in the borders in the same way, just a few plants of a kind; their very rareness and variety help to give a sort of woody atmosphere. There are, for instance, the tall stems of the *Physostegia*, the showy *Monarda*, the interesting flowers of the *Platycodon*, the lovely tall *Meadow Rue*, *Peach-leaved Campanulas*, a few *Mallows* and the delicate *Columbines*—flowers and foliage that are all the more intriguing when you come upon them growing in this way under *Oak* trees in the naturalistic company of high shrubbery instead of in more formal surroundings.

Plants, like people, have a way of looking different in different surroundings and at different seasons of the year. Plants, like people, too, have their favorite habitations, and not all feel happy with woody trees. When you are in this garden, however, there are so many plants and such delightful bloom right through the summer months that you realize there need be no scarcity in the flowers that will grow beneath tall trees.

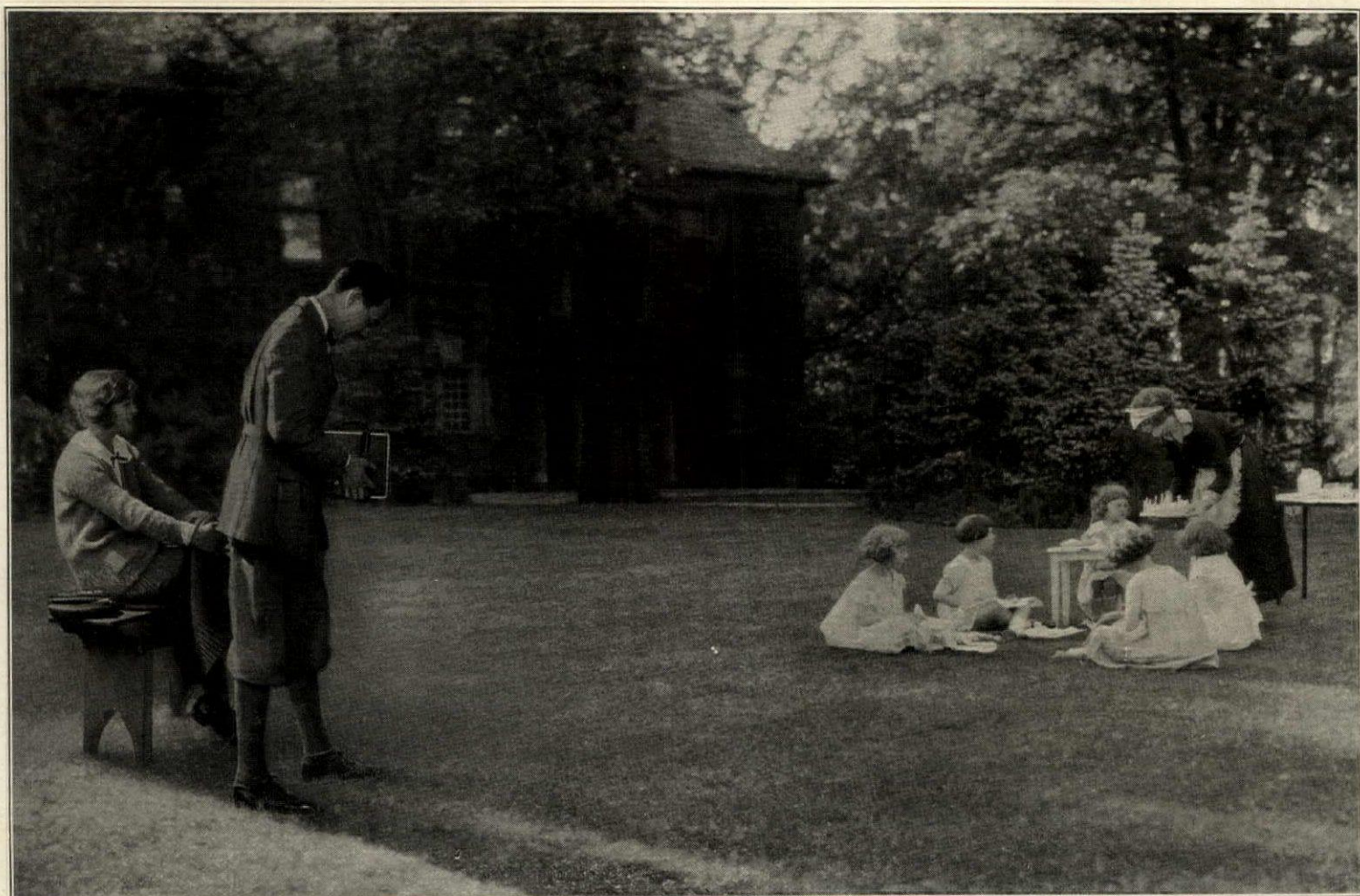
WHAT TO KNOW ABOUT WOOD FLOORS

(Continued from page 78)

One of the most important things to remember about any kind of flooring lumber is the necessity of keeping it dry and laying it dry in a dry house. Flooring lumber at the mill is air-dried and kiln-dried, accurately milled and stored in dry lofts or storehouses. It is shipped in closed cars and kept dry by the local dealer who receives it. When it arrives "on the job" (and it should not arrive until the exact time it is needed to lay) it should be kept dry. It should be the last thing installed in the new house, after the plastering is dry, because of the natural property of any and all wood to absorb moisture. If a floor is laid damp, or in damp premises, and dries out afterward, cracks are inevitable, and not to be blamed upon the wood, or upon the carpenter, unless the latter has been careless or unconscientious enough to ignore the necessity of laying his floor dry.

In laying new floors over old ones, the important thing is to make the old floor as level as possible, nailing down all loose boards, and equalizing hollows with building paper of building felt. The new boards are then laid in the opposite direction to the old boards, and a half inch away from all the base-boards, this difference being covered with a quarter-round nailed in place after the floor is laid. This half-inch will allow for an expansion which may take place, and will prevent any consequent danger of the floor buckling.

As in every other detail of house building, the matter of floors is best dealt with by acquiring all the known facts about flooring using a fair amount of judgment, insisting upon good workmanship, but expecting nothing, either in workmanship or material, for which you are not paying.



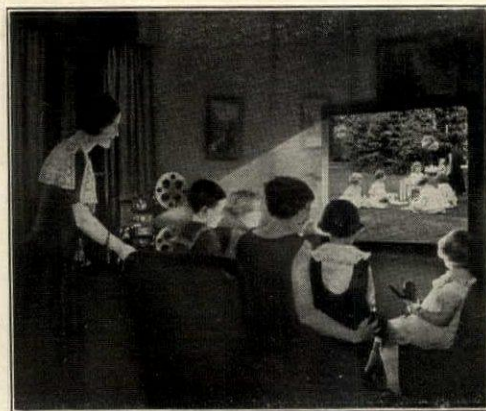
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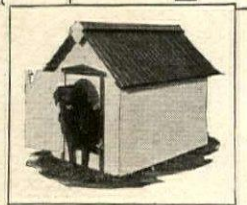
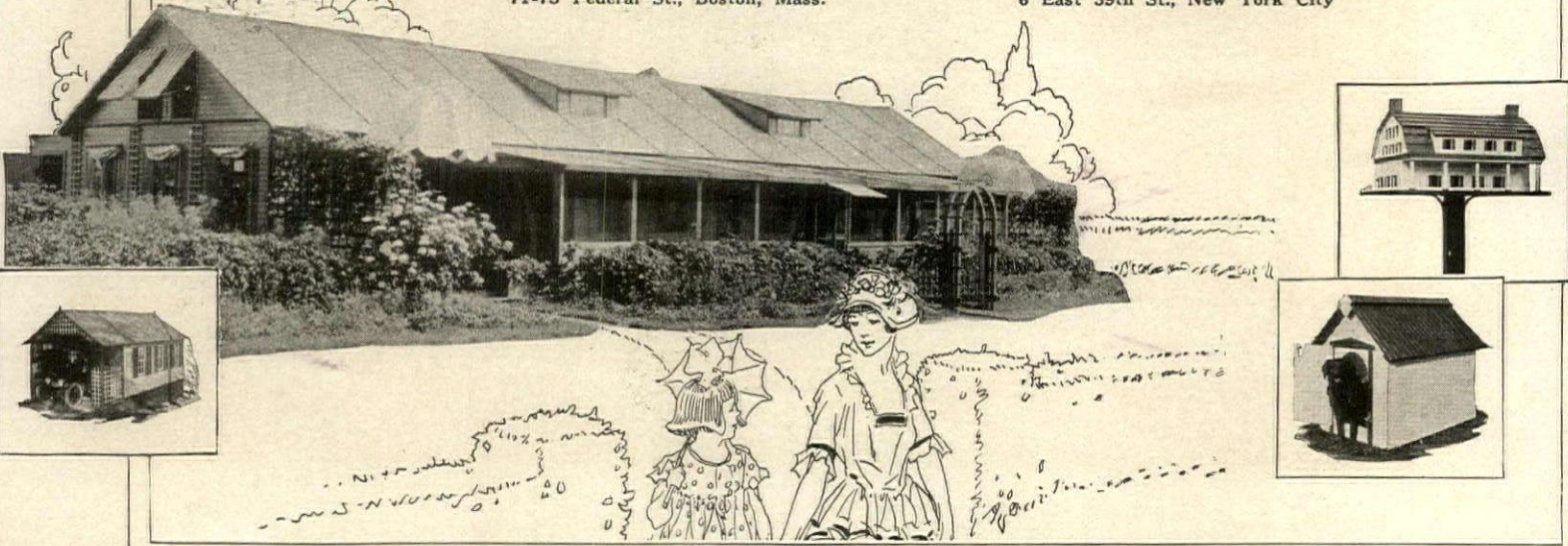
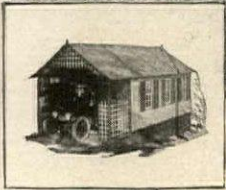
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The soft, blending colors and the wide range of patterns in which “Hartford-Saxony” rugs are made, beautify and lend dignity to any home setting.

There are several grades of rugs sold as “Saxony,” which we do not make. But there

is only one “Hartford-Saxony” and it is made in only one quality — the very best a hundred years’ experience have taught us how to make. To assure yourself of getting this particular fabric, it is essential that you ask for “Hartford-Saxony” by the full name, and look to see the name woven in the back.

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Upon request to our New York office, we gladly will send you, without charge, a sample of the “Hartford-Saxony” fabric, a set of color plates and a beautifully illustrated descriptive booklet.

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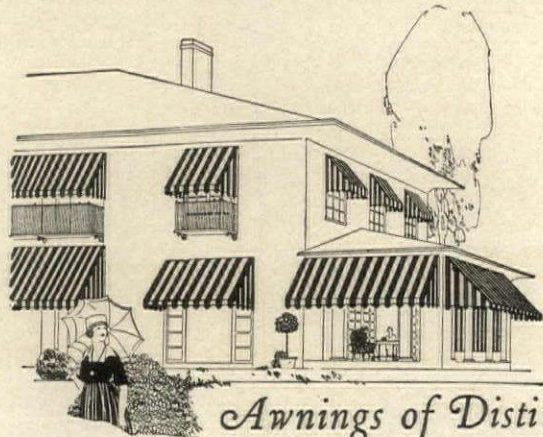
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MEAKIN & RIDGWAY, INC.
New York



Before planting, the ten acres of woodland were in a deplorable condition, littered with dead and fallen branches and forest debris.

RESTORING a NEGLECTED WOODLAND

(Continued from page 76)

in each kind of soil over the whole site.

We were now ready to lay out the paths and trails, choosing routes that led to and connected the points and places of greatest present or potential beauty. This involved the marking of sites for shelters and seats; the selection of situations for a wild flower sanctuary, a bird sanctuary, a bog garden, two rock gardens and a picnic ground; also the clearing of several viewpoints for the enjoyment of the superb scenery of the surrounding countryside.

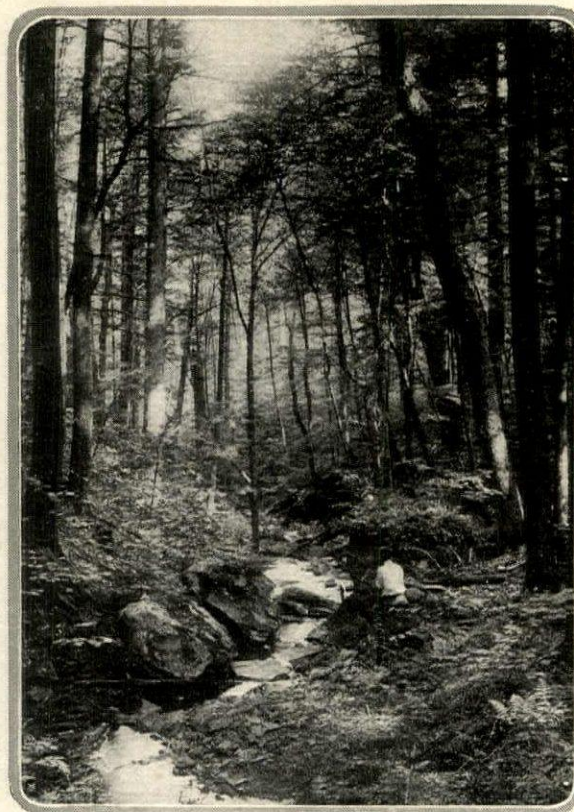
It was found possible, without sacrificing a single worth-while tree, to remove the second growth and underbrush and open up a broad way (called The Vista) entirely through the woods, dividing them into two almost equal parts. The northern end of The Vista is at the edge of the lawn and of easy access from the house. It is the only entrance to the woods. The outlook from the southern end embraces a rolling country of vast

extent and unusual charm, stretching away to the Highlands of the Hudson, thirty miles distant. The lines of The Vista are slightly curving—just enough to prevent an observer from looking through it from either terminus. This gives a pleasing impression, as one enters, that both woods and vista are of indefinite extent.

All paths start from The Vista and over the entrance to each is a vine-clad arch. The paths are named for some dominating feature—as the Azalea path, the Laurel path, the Sanctuary path—and odd signs of rough boards, bearing these names, are attached to the arches.

On the highest point of the ridge which parallels The Vista on the left, and only thirty feet from the southern edge of the woods, a cosy tea house, constructed of unbarked red cedar, commands the same magnificent view as that from The Vista. The tea house is the restful objective of

(Continued on page 140)



The course of a clear mountain brook offered opportunity for the introduction of many plants and shrubs that love a waterside location.

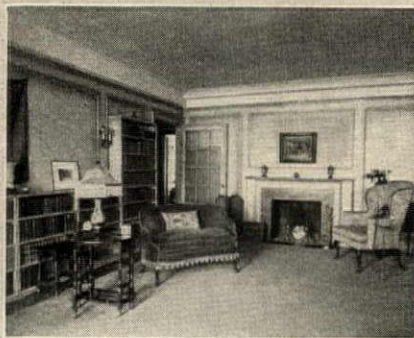
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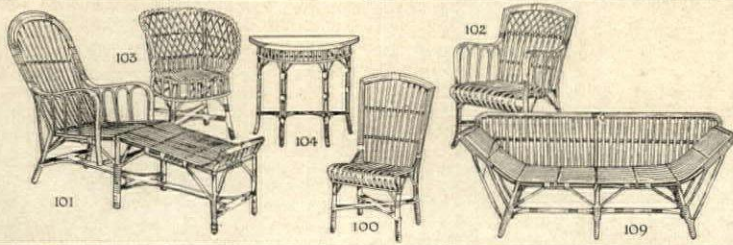
For fifteen years I have bought and sold only thick, colorful, velvety antiques, at fractional auction prices, and am the only dealer who has consistently so advertised and delivered.

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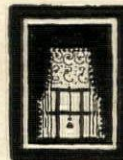
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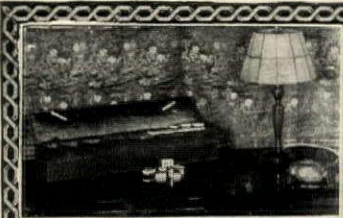
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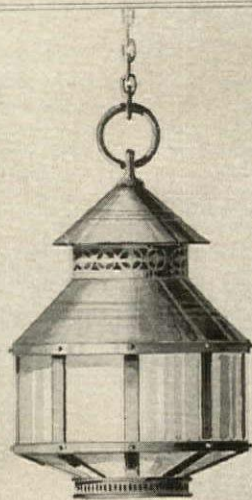
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The bush form of our native American Holly is a splendidevergreen, especially for specimen planting

RESTORING a NEGLECTED WOODLAND

(Continued from page 138)

all the paths and woodland trails.

The only treatment given the paths was to make them comfortable for walking. Protruding stones and tree-roots were removed, stepping stones were laid in moist reaches and simple log bridges were thrown across the brook where needed. The undergrowth on both sides was removed so as to leave an irregular border from two to four feet wide; and this border was afterwards planted with Partridgeberry, Hepaticas, Violets and other cover-plants. Today, it contains clumps and masses of every kind of wild plant that grows naturally in the vicinity, or has been introduced there. It is wonderful how appreciative of light and elbow room all the wildings are and how quickly they discover and take possession of localities thus favored.

The finishing touch to all this preparatory work was the judicious thinning out of spindling second-growth saplings and underbrush in the immediate neighborhood of The Vista and the paths. This was often strikingly effective, particularly where it disclosed notably fine specimens or groups of trees and, by providing more breathing space and better light, encouraged them to develop greater beauty and symmetry. No attempt was made to clean up along the trails or in the remote interiors beyond the range of clear vision. Such areas should always be left undisturbed, for the dense masses of bushes, vines and low plants, which naturally cover a forest floor, maintain equable conditions of moisture and temperature and are as necessary to the permanent health and vigor of the trees as the soil itself.

Everything was now ready for the planting. I shall not go into minute details regarding this part of the work, for the selection of material and its arrangement are frequently matters of personal preference; and in this regard the dear old lady was inclined to be opinionated, not to say peculiar. I did insist, however, upon respecting the soil preferences of the plants that were put in and had my way in this as well as in using the native flora of the neighboring woods and fields as the basis of all group plantings. The Vista, the glades and the open spaces around the tea house and other shelters, were bordered with flowering trees and shrubs of local origin and carpeted with the commoner wild flowers. Rare and vanishing species were installed with care in the Wild Flower Sanctuary, where they were hidden from casual intruders by an encircling wall of Pines, Hemlocks and Mountain Laurel. The Bird Sanctuary, located along the brook, was surrounded with fruit-bearing bushes

taken from hedge-rows on the edges of adjacent pastures; and its inhabitants were soon reveling in the secluded nesting and hiding places and the abundance of seeds and berries they afforded. Finally, wherever there were open stretches at the edges of the woods, they were closed with thickets and densely habited shrubs. A hillside close at hand was covered with Dogwoods, Sumacs, Sassafras and Mountain Ash and these were used freely and with fine effects, at conspicuous points. Border plantings like these serve to keep out drying summer winds and destructive winter storms, and form effectual barriers against intrusion.

My last visit to the dear old lady was in early June, last year. Together we walked across the lawn and into the woods. A superb white fringe tree, in full bloom, stood just at the right of the entrance. Once inside and around the bend of the curve, I came to some realization of the wonderful transformation four years wrought. The great White and Red Oaks along The Vista had extended their branches until they interlaced overhead, forming an unbroken canopy. Along the borders the clouds of bloom on the mountain laurels gave the impression of long banks of pinkish snow. I noted that the great Rhododendrons back of the Laurels were covered with buds. Underfoot, the ground was surfaced with mosses of every hue, spangled with the white and pink stars of the Goldthread and Woodsorrel. Farther on, at the entrance to the Sanctuary path, a full-grown Withe-rod, its branches heavy with blossoms, pointed downward towards the brook. And in the Sanctuary itself, among the Hemlocks, was one of the finest and happiest colonies of the pink Ladyslipper it has ever been my fortune to see. We went on to the tea house and enjoyed the distant landscape picture, then followed the Laurel path back to The Vista, stopped to admire the sunny rock garden (recently planted) and returned by the Azalea path to the house passing several fine clusters of the glowing Flame Azalea, then at the height of its splendor.

As the dear old lady sank into a roomy rocker on the veranda, she smiled and said, "You see that my dream has become reality."

What she accomplished in her ten-acre wood-lot is typical of what may be expected from similar treatment of any tree-clad area, regardless of its size or its location. So I am not without hope that what I have written will show the way to other woodland owners and encourage them to emulate her success.



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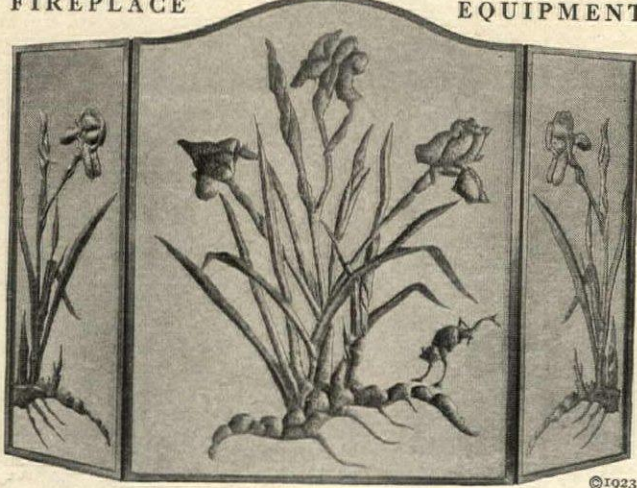
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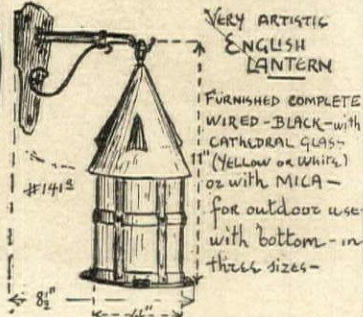
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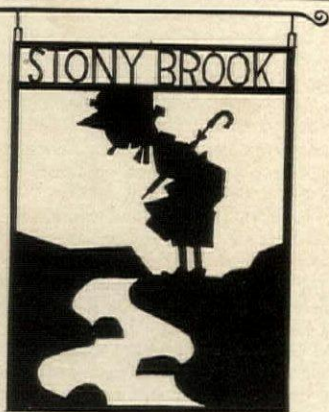
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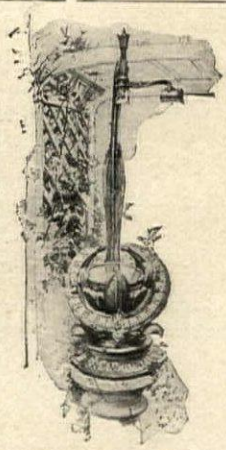


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ALWAYS LOOK FOR THESE FAMOUS TRADE MARKS

DECORATED BY
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Limoges

HOUSES THAT BLOOM IN THE SPRING

(Continued from page 57)

linoleum to stimulate tiles, covered with a taupe colored rug octagonal in shape. For furniture I would suggest blue lacquer Queen Anne side chairs with seats covered in antique green satin with an embroidered design of ships. A black glass top on a wrought iron table sounds a bit startling but it is both practical and smart and if octagonal in shape, with each section about thirty three inches wide, will allow one to entertain as many as sixteen guests without crowding.

Wrought iron side fixtures with blue glass and crystal prisms will give sufficient light to the room and should be on each side of the four niches, making eight lights in all. These may be single or double brackets depending on the wall space. The table decoration in this room might consist of a low flat blue glass bowl, filled with orange zinnias and four tall glass candle sticks.

Frequently the hall is the room most in need of rejuvenation. Should your house be English in type it would be charming to have a lacquered hall, if the space is large enough. In a room about ten by twelve feet, the walls could be covered with compo-board and a narrow picture molding used to simulate paneling. Paint the whole wall red and then paint the inside of each of the panels silver. When dry, paint over this with the red paint. Rub down with fine sand paper to remove any roughness that may be found. When rubbing, rub enough of the red paint off to allow the silver to show through. Cut out of Chinese paper, or any imported paper, figures of trees, people and temples and paste these in the panels, trying to make each design different and interesting. When finished, coat the walls with a heavy varnish and rub, when dry, with powdered rottenstone mixed with a little water. This will bring up a high gloss and if kept waxed will look like old lacquer.

A small upholstered sofa covered in black satin corded with red, or done in gold damask would look well in this hall. A novel way to cover a small sofa would be to upholster it with satin and have a loose ruffle around the bottom of the frame reaching to within an inch or so of the floor. Over this have broad scalloped tabs, bound with red satin and fastened into the seams of the sofa. These tabs take the place of box pleats and are a bit different from the average box pleated ruffle. A narrow iron console can be used on the wall opposite to balance the sofa. Paint the floor bright green and over this paint an extra coat of blue and finally one of black. Finish with two coats of varnish and as these different coats of paint wear through the floor will be given a lovely mottled effect. Care should be taken that the cracks between the boards are filled in with putty before painting.

Mirrors are always decorative and especially useful in a dark hall. One in wrought iron with a trellis over the mirror part would be attractive in this hall hung above the console with a bright cord and tassel. It would reflect the polished surface of the wall and help greatly in creating an effect of brilliancy.

In a city apartment with a long hall I have seen a very clever idea carried out by painting the walls a soft jade green with marbled woodwork. The floor was tiled in black and white squares, and by a clever tree design painted on both of the long side walls a feeling of space

and lightness was achieved. These trees, with birds and colored flowers, made an amusing background. There was only space for a narrow Italian chest of drawers and two side chairs. These had amusing little tufted slip covers of cream satin with shirred ruchings of cherry red ribbon. The chest contained extra bed clothing and the side chairs did duty for extra guests at meal times. This hall was lighted by an old Venetian star lantern of wonderful bluish glass that cast a soft glow over the hall when lighted.

The guest room above all others should present an appearance of freshness and daintiness. There should also be something unusual and intriguing in its decoration, to induce the guest to come again. There are on the market now a number of charming toile de Jouy papers, copies of old designs that make unusually attractive rooms. A bedroom can be made interesting and different with a background of this type of paper, one with a pinkish red design on a cream background and antique cream wood work. Into the molding a little red paint can be rubbed and then wiped off. This will make a fresh looking room and with painted or walnut furniture will please the most fastidious guest imaginable. In the bedroom shown on page 57 a Chinese toile paper was used, one with a design in red on a deep cream ground. The woodwork was painted a dull old ivory and the floor painted deep blue and antiqued. Over this a rich Aubusson rug with a dark red ground, browned with age, made a pleasing background for the old pieces of French furniture.

The door had a painted decoration copied from the design in the paper and the bedspread was of red taffeta with cordings and pleated ruffles of rich blue. The draperies at the window were silk in a deep cream color bound with red braid, and the valance was of the same silk as the bedspread. Dark blue candle in old silver sconces gave a soft light pleasing in a room of this sort.

A cool and charming young girl's room is shown on page 57. Here the deep recessed window was hung with soft blue gauze curtains made with picoted and scalloped ruffles. The walls here were papered in a flowered chintz paper with cream background and the woodwork painted soft blue like the draperies. Three sets of shirred scallops, one over the other, made the valance that was about sixteen inches deep due to the high ceiling. Tie backs of white crystal held the side draperies in place and in the recesses of the window were hung a few small colored fashion prints. The chair the window was covered in a blue and orchid satin damask that repeated the colors of the lamp shades. The rug was soft taupe color.

Narrow windows or odd ones often perplex one as to the way they should be treated. Glass shelves cut to fit the frame of the window and held in place with wrought iron brackets make a decorative note in any room and in a hallway by the stairs can be fitted to hold growing plants and one or two vines. The glass might be colored blue or amber for an additional note of interest. Hanging glass shelves with small bowls of potted bulbs are charming against the glass windows of the sun porch and one can have quite a garden while it is still winter outside. In the summer they can rest against the window screens and hold potted plants and flowers.



The World's Finest and Fastest Cooking Oil Range

A range of beautiful design and finish — yet its striking appearance is eclipsed by a superlative performance that is *unapproached* by any oil stove and *unsurpassed* by any stove.

The big, roomy built-in oven is of unique construction. Equipped with soapstones and heavy heat-retaining walls it continues to bake for fully two hours after the burners have been turned off.

With five fast-as-gas Superfex Burners—all available for surface cooking when required—there's ample space and abundant heat for the largest meal.

Its porcelain enameled cooking top, splashers and convenient removable burner tray are easy to keep beautifully bright.

In addition, your dealer has New Perfections, ranging from \$7.00 to \$145.00, to suit every requirement—each one the utmost in cooking satisfaction at its price.

THE CLEVELAND METAL PRODUCTS CO.
7189 Platt Ave. Cleveland, Ohio

Also makers of the well known PURITAN "Short Chimney" oil stove.



Delicious Biscuits Baked over Fast-as-Gas

Superfex Burners

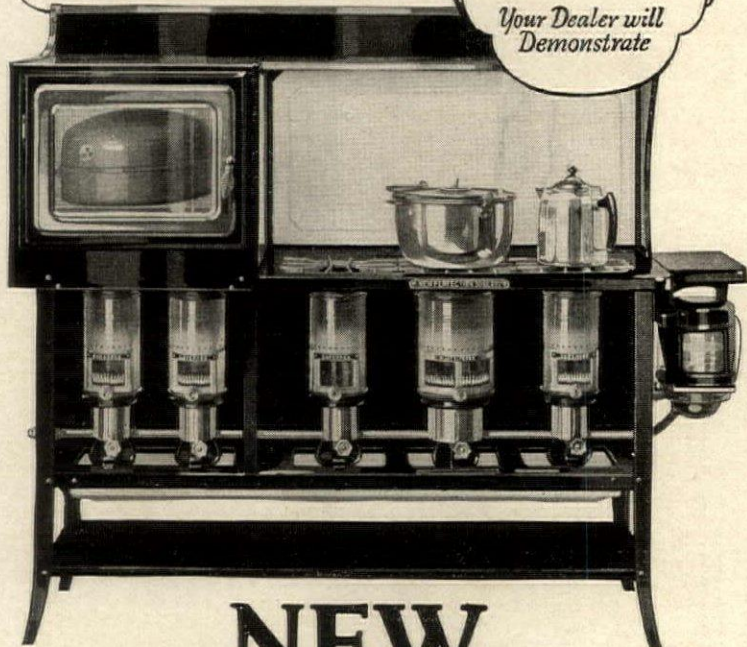
The roomy, built-in oven is equipped with soapstones — heat-retaining — saves fuel — bakes perfectly.

Each range is equipped with one "Big Giant" Burner for super heat or quick cooking in large quantities. As fast as the giant gas burner. The others are "Little Giants"—as hot as standard gas burners.

Your Dealer will Demonstrate

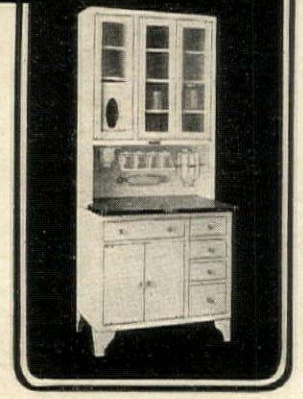
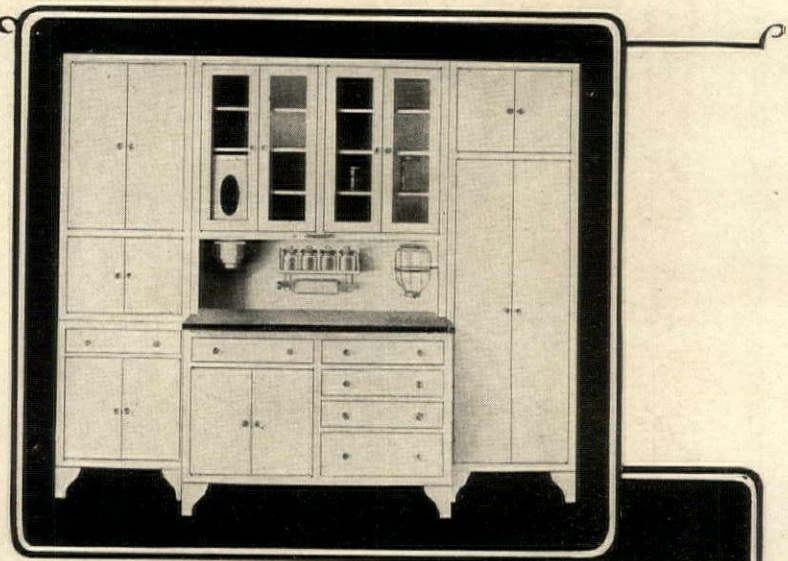
New Cook Book—Send ten cents for the 1924 New Perfection Cook Book, forty-four pages of recipes, menus for all occasions and invaluable cookery suggestions.

Range illustrated has built-in heat-retaining oven equipped with soapstones. Price Higher in the west, southwest and Canada



NEW PERFECTION Oil Cook Stoves and Ranges

The WHITE HOUSE Line SECTIONAL UNIT STEEL DRESSERS



Beautiful Practical Durable

Smooth white-enameled surfaces inside and out make the WHITE HOUSE Kitchen Dresser beautiful and absolutely sanitary. All parts of the unit are easily cleansed by the wipe of a cloth, or, if desired, drawers, shelves and all equipment may be removed and Dresser thoroughly cleaned throughout.

Invisible hinges, strong glass knobs and all useful fittings. Electrically welded joints guard against vermin and assure durability.

To give great durability and long life to all these notable features, the whole White House line is built of steel by exclusive and totally different methods of RIGID, WELDED construction.

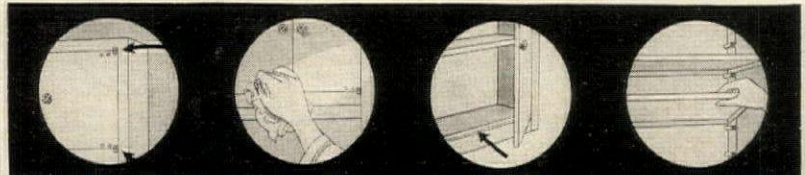
JANES & KIRTLAND, Est. 1840

134 West 44th Street

New York, N. Y.

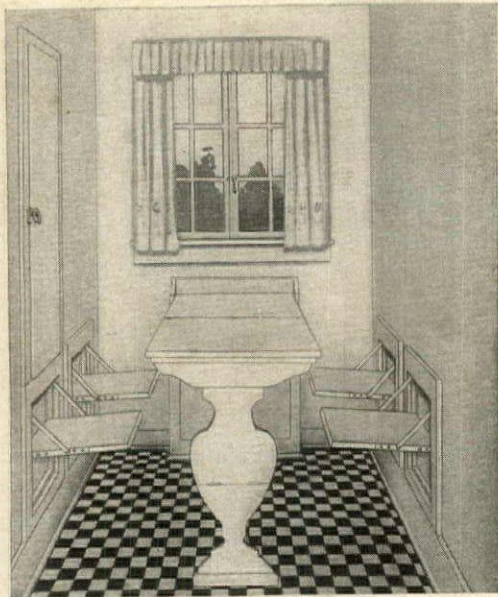
The WHITE HOUSE Line Sectional Unit Steel Dressers

- Concealed Hinges
- Flush Construction
- Double Doors and Rabetted Frames
- Removable—Adjustable Shelving



KITCHEN MAID

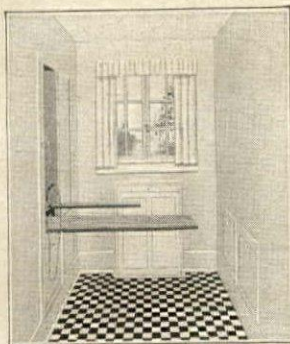
STANDARD KITCHEN UNITS



To Have a *Complete* Kitchen You *Must* Have a Pulmanook!

There are fashions in home-building, just as in everything else. Fashion says, the modern home must have a cheery, inviting dining corner, in the kitchen or just adjoining.

And that means a Pulmanook. For in no other type of alcove can you have such advantages. It folds away when not in use. The seats disappear in the wall. The table goes into a compact case. You can use the space for other purposes all day. Better yet—it leaves an easy corner to clean.



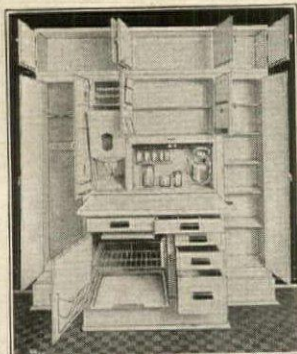
The Pulmanook closed, showing space used for ironing. The ironing board folds away above one of the chairs when not in use.

The Pulmanook is one of many Kitchen Maid standard units. They're built by the cabinet-makers who build the Kitchen Maid kitchen cabinet. Beautiful workmanship, substantial construction, correct design—for no more than the cost of old-fashioned cupboards.

Write us today for the Unit Booklet—opening a way to better kitchen equipment to you.

WASMUTH-ENDICOTT COMPANY
1250 Snowden Street, Andrews, Indiana

"Let the Kitchen Maid Be Your Kitchen Aid"



Combination 1-X includes a Kitchen Maid cabinet with broom closet at one end, dish closet at other and closet for dishes and staple foods across the top.

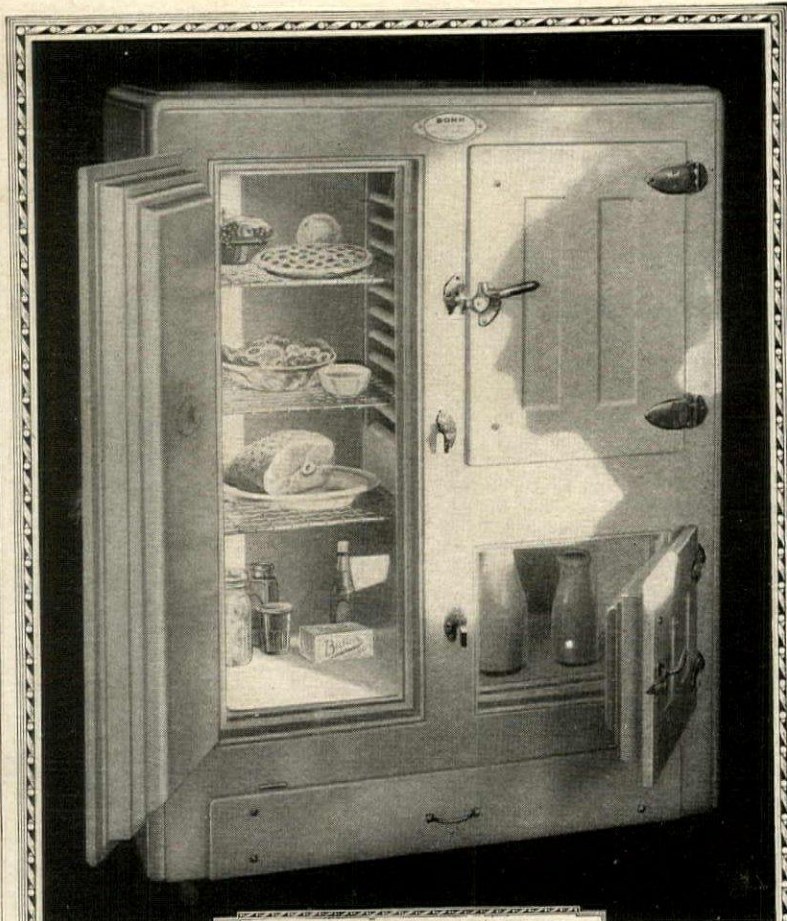
KITCHEN MAID

STANDARD UNIT SYSTEMS

WASMUTH-ENDICOTT CO.,
1250 Snowden Street, Andrews, Ind.

Please send me the book of Kitchen Maid Standard Units.

Name..... Address.....
City..... State.....



BOHN

SYPHON REFRIGERATOR

The choice of the American housewife.

SANITARY, HEALTHFUL AND ECONOMICAL refrigeration based on scientific principles, combined with undeniable beauty, has definitely established the *Bohn Syphon Refrigerator* as the standard of comparison.

Cleanliness and health are suggested in the lustrous, white porcelain, at first sight.

Continuous, never decreasing efficiency, is promised (and fulfilled) by the unsurpassed syphon system, and the kind of insulation that is an absolute barrier to warm air.

Sturdiness, durability, long life and ultimate lower cost is inbuilt by craftsmen.

That they have been in the Pullman dining car service, and every American railroad in this country for years, is proof of their superior dependability.

BOHN REFRIGERATOR COMPANY
SAINT PAUL, MINNESOTA

Retail salesrooms in the following cities:

- NEW YORK—5 East 46th Street
- CHICAGO—68 East Washington Street
- BOSTON—246 Boylston Street
- INDIANAPOLIS—144 East Ohio Street
- PITTSBURGH—Wood and Diamond Streets
- DETROIT—117 East Grand River Avenue
- BUFFALO—704 Main Street
- LOUISVILLE—306 West Walnut Street



An Import Order NOW=Big Savings LATER!

If you ordered last year you will understand why you must act at once to gain this alluring reward for promptness—These are the reasons:—

Our Special Border Collection

of magnificent Darwin and Cottage Tulips, (as pictured above, in order from right to left).

Clara Butt —Exquisite Salmon pink Darwin	Per 100	Per 1000
	\$3.50	\$32.00
Picotee —White cottage with lovely reflexed petals edged with pink	4.00	33.00
Dream —Charming, clear lavender Darwin	4.50	40.00
Bronze Queen —Art tulip of buff tinged with golden bronze	4.00	33.00
Pride of Haarlem —Darwin, American Beauty color	4.50	40.00
Zulu —Enormous size Darwin of deep velvety purple	4.50	40.00
Golden Beauty —Glorious golden yellow cottage	4.25	35.00
25 bulbs at 100 rate; 250 bulbs at 1000 rate.		

Very Special

100 bulbs each of 7 varieties above (700 in all)	\$27.00
or less than 4c each	
1000 bulbs each of 7 varieties above (7000 in all)	\$240.00
or less than 3½c. each	

Caution—No order can be accepted at these prices later than July 1st

First—Knowing our tremendous selling power the great bulb growers of Holland have just come to us with stocks all complete, ready and eager to make price concessions for immediate orders far below those that will obtain next fall.

Second—by adding your order to our own large imports we can not only get for you the advantage of bedrock prices for highest quality but we can have your orders packed especially for you in Holland, thus also saving you extra packing costs, reducing the freight and import charges to a minimum and at the same time guarantee to you the pick of the new crop—the biggest and finest bulbs grown in Holland!

Think! you, too, next spring, may have just such gorgeous beds of Darwin and Cottage Tulips as are pictured above, together with Airy Daffodils and Narcissi or Dainty Hyacinths at a fraction of their usual cost if you order now. Pay for them in September when they arrive, if you prefer, but send in your order lists at once.

EXTRAORDINARY OFFER

100 DARWIN TULIPS for only \$2.50

Choicest, first size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold.

A \$5.00 value for only \$2.50 or, if you prefer—50 bulbs for \$1.50



The Heralds of Spring

200 of these Lovely Spring Beauties \$6.00
—20 each of the following 10 named varieties for only \$6.00

Snowdrops (double)—Snowdrops (single)—Glory of the Snow, blue—Heavenly Blue Grape Hyacinths—White Grape Hyacinths—Blue Squills (*scilla siberica*)—Blue Bells (*scilla campanulata*)—White Blue Bells—Wood Hyacinths (*scilla nutans*)—Winter Aconites.



Here are the Bulbs and Here are the Prices!

Nine splendid collections, each a wonderful value—if you order now

100 Single Early Tulips in 10 named varieties. Bloom in April and early May	Per 100	\$3.50
100 Double Early Tulips in 10 named varieties. Bloom in April and early May	4.00	
100 Darwin Tulips in 10 named varieties. Immense flowers on stems 2½ ft. tall in May and June	4.00	
100 Cottage Tulips in 10 named varieties. The tulips of grandmother's garden, improved and more beautiful than ever. May and June	3.50	
100 Breeder or Art Tulips in 5 rare named varieties. In form like Darwins, wonderful shades of Bronze, Buff, Orange and Apricot. May and June	4.00	
100 Narcissi or Daffodils for naturalizing and lawn planting. Airy and medium Trumpets, short-cupped and lovely Poet's varieties, doubles and singles on long stems, all top size mother bulbs	4.50	
100 Bedding Hyacinths in 4 colors	5.50	
100 Named Hyacinths , 2nd size, 4 varieties	7.00	
100 Named Hyacinths , exhibition or top size, in 10 named varieties for pots or glasses. Our selection of varieties	15.00	

Caution—No order can be accepted at these prices later than July 1st

You may order these bulbs now and pay for them when they arrive in September, or if you prefer, you may deduct a

Cash Discount of 5%

If you send cash with order.

26 West 59th Street **Schling's Bulbs** New York City

MAX SCHLING, Seedsmen, Inc.

Gentlemen:—Please enter my order for bulbs checked on enclosed list for which I agree to pay at these special import prices when order arrives in September.

- I am deducting 5% cash discount and enclose full payments in advance.
- Please send me your special "Import List" of bulbs.

Name..... Address.....

Other special offers in our "Import List" of bulb collections

Shall we send you a copy?



Pay Off the Grinning Caddy

When May in a softening mood crowds your pulses with the urge of a thousand springs and all the world is an open road for every soul that stirs—close the doors of all the houses and throw away the keys.

When in the blue mystery of the magic woods flowers come up with color and birds come back with song, pay off the grinning caddy and choose for your companion someone who knows the Playboy was built for her.

Step on the throttle of that masculine car, full of the nomad spirit and the will to go—leave the town and turbulence and fame, and skudding through the sunlight like a phantom thing possessed, idle the golden hours away.

That's youth—that's life—that's Spring.

J O R D A N

JORDAN MOTOR CAR COMPANY, Inc., Cleveland, Ohio



"WHEN A GOOD HOUSE MEANS THE MOST."



© S.C.M.A.
Messrs. Lowe
Bollenbacher
Architects
Chicago

"HE WHO LOOKS BEFORE HE
LEAPS BUILDS OF CYPRESS
AND BUILDS FOR KEEPS."

Today's Building Wisdom

Rests on the Experience of Centuries of Yesterdays

You probably want "the Wood Eternal," so as to obviate the repair-bill bugaboo. But how can you be sure that you get it? There is a "distant cousin" of the Wood Eternal, that grows far inland, never saw a swamp, and lacks the superlative decay-resistant traits of the genuine

Tide Water
Cypress
"The Wood Eternal"

It is very important that you specify "Tide-water" Cypress, and identify it by the Cypress Arrow Trade mark on the end of every board and on every bundle. (See below.)

The Cypress Colonial Plan Book

is "the most complete and authoritative grouping of matters Colonial that I know of in the same space, and also delightful in its style. It's a real book, to read and keep for reference." It will come to you

Free, on Your Request

192 pages, 96 pictures, complete full-size Working Drawings on Double Plan-sheet Supplement, full Specifications for entire house and equipment. Also 3-sheet Special Colonial Art Supplement by a famous artist. These plans are not "stock" but are specially designed for us by an eminent architect.

Write today for VOL. 44.

SOUTHERN CYPRESS MFR'S. ASSN



1210 Poydras Building, New Orleans, Louisiana
or 1210 Graham Building, Jacksonville, Florida



Insist on Trade-marked "TIDEWATER" CYPRESS. Accept none other

TRADE **YALE** MARK

Control your doors

No one ever slams a door equipped with a Yale Door Closer. It cannot be done.

No one ever leaves a door open that should be closed when there is a Yale Door Closer on the door. It makes no difference if the door is forgotten. The Yale Door Closer never forgets.

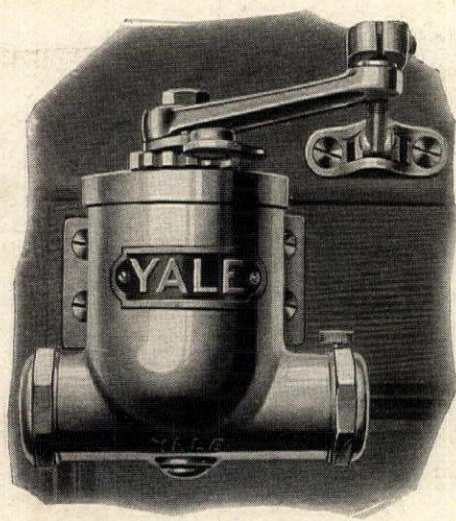
What does a Yale Door Closer do?

1. It swings the door shut.
2. It quietly controls the door to prevent the slam.
3. It gently but firmly closes the door till the latch clicks.
4. And at your will, when equipped with the holder device, it holds the door open in any predetermined position.

And why does it do it so well?

The Yale Door Closer is so thoroughly well made. It is simple, powerful and efficient. It is a perfected door-closing power plant with a heavy coiled spring to close the door, and a piston within a cylinder working against hydraulic pressure through connecting rod and crank shaft to control the closing action.

Look through your home. Yale Door Closers ought to be there—for quiet, convenience and comfort. Which of your doors needs a Yale Door Closer most? Go to the hardware dealer and let him help you select the proper Yale Door Closer for that door. The price is low—the service, indispensable.



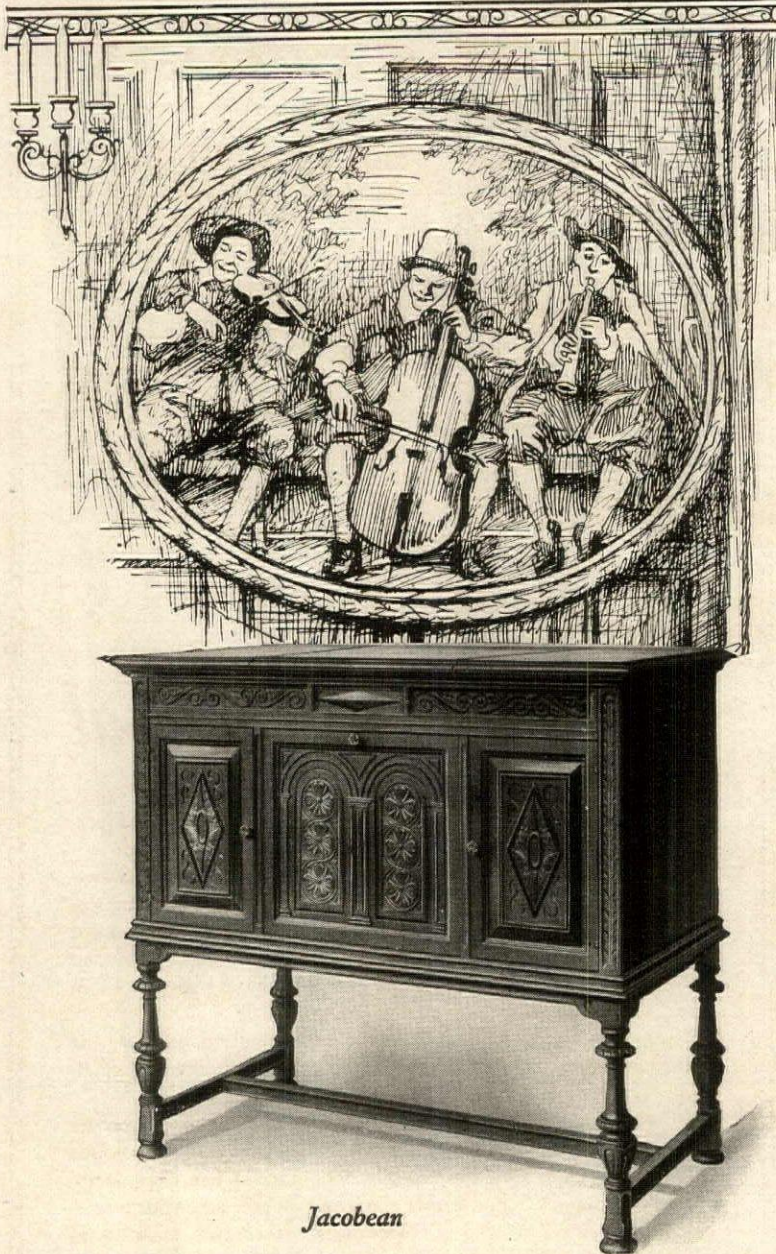
The Yale & Towne Manufacturing Co.
Stamford, Conn., U. S. A.

Canadian Branch at St. Catharines, Ont.

YALE

YALE MADE IS YALE MARKED

Sonora—one of the famous musical instruments of all times



Jacobean

IN former days, only the painter's canvas could commemorate the memory of music beautifully played.

Today, the musician lives on forever in the perfect recording of his most inspired performance. And played by Sonora, the very soul of the music can be re-captured at will.

The Jacobean de Luxe Model here illustrated reproduces a historical period closely identified with the beginnings of America. Finely executed carving makes this instrument a notable production.

The Sonora line includes an instrument for every taste and requirement—\$50 to \$3,000

Sonora Phonograph Co., Inc., New York City

THE INSTRUMENT OF QUALITY
Sonora
 CLEAR AS A BELL



ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 98)

variety to be classed with Frau Karl Druschki.

The part of the book devoted to Rock Gardens, though brief, is admirable in its statement of principles. The presentation of this subject would have been bettered, however, by devoting to it, in order more clearly to exhibit construction, several pictures of the nice clear style that distinguishes the 28 found in the volume.

There are few omissions of importance, like that of *Daphne cneorum* among the evergreen shrubs. A more grievous fault lies in failing to mention, in dealing with Rhododendrons, the requirement of acidity in the soil. Native plants in general might have received a little more attention and more commendation. Some practical aspects of gardening could at least have been glanced at,—notably Irrigation.

The mechanical workmanship is of high order. A commendable feature of the Index consists in placing first the number of the page that contains the main treatment of each of the respective topics.

F. B. M.

WEATHER PROVERBS AND PARADOXES. By W. J. Humphreys, Ph.D. Williams and Wilkins Company, Baltimore.

Modern man, particularly the dweller in a city, who gets his weather report from the daily press, when he has concern about what the morrow in that line may bring forth, can not read far in this rather peculiar and entertaining little book without feeling with Wordsworth that

Little we see in Nature that is ours;
 We have given our hearts away, a sordid boon!
 This sea that bares her bosom to the moon;
 The winds that will be howling at all hours,
 And are upgathered now like sleeping flowers;
 For this, for everything, we are out of tune;
 It moves us not.—

But it is not a putting together of fancies or of fanciful explanations that we find here; it is not a mere collection of folk lore, but a studied attempt made by the Meteorological Physicist of the United States Weather Bureau to set forth scientifically whatever facts lie at the basis of old and persisting proverbs relating to the weather. For example, part of the explanation of "Sky red at night Is the sailor's delight" is that "a red evening sky means that the temperature has not fallen below the dew point even at the tops of the strongly-cooled rising currents of air that are so common during the heated portion of the afternoon, and hence that the air contains so little moisture that rain, within the coming twenty-four hours, is improbable." Meteorological paradoxes occupy the second portion of the volume with elaborate reasoning that the reader not well instructed in physics has difficulty in following at certain points.

As a specimen of book-making art the volume pretty thoroughly justifies the publishers' motto, *Sans Tache*,—Without Blemish. Toward attaining such excellency the stimulus to the various craftsmen employed by the firm is the honor of being given credit, at the back of the book, over their own names, for the parts they individually have had in it. Thus, even with modern machine production, the workman has a good deal of the old creative distinctiveness that used to be an incentive to the artist or craftsman who made the object embodying his ideals entirely with his own hands.

F. B. M.

MANUAL OF CULTIVATED PLANTS, by L. H. Bailey. Published by The Macmillan Company, New York.

A book of 850 pages, in rather small print, comprising, in astounding com-

pactness, an exact analysis and description of practically all plants grown for food, ornament and general interest both in gardens and greenhouses, put forth as a gathering up of the studies of forty years can not be treated with a merely passing notice, particularly when it comes from a man who has made the attainments of the author of this manual. In addition to supplying for "cultivated plants what the usual botanical manuals supply for the native plants—a means for finding out what the plants are, what are the proper names and characters," it has practical value, in a number of ways, even for the person who makes no use of the methods and terminology of botanical science. It gives complete, for all species and most forms and varieties of the species of almost all domesticated plants the always helpful information that growers' and salesmen's catalogues offer in a fragmentary way, for the knowledge of a plant's native habitat yields suggestions about its cultivation and care: information as to habit, kind of growth, ultimate size to be expected, character of bark, foliage and flowers is obviously very helpful in the management of plants for any purpose. The exact classification of the Schwelder Maple, for example, under the head of *platanoides* or Norway Maple, tells much that by the inexperienced can not be gathered from the average catalogue or even book on gardening or landscape architecture. In the treatment of species made to vary greatly by hybridization instruction is given by placing the resultant cultivars under the appropriate heads or into groups. Thus an uninformed person can readily learn how the various new varieties of the Philadelphus, for example, differ from one another. For the student of botany the book opens a grand field that has hitherto been almost entirely closed to him by the simple fact that all other literature of his pursuit has not kept up with the almost miraculous development of garden forms.

The Index has been made carefully and enables one easily to find the treatment of each at all reasonably worthy representative of the 3,665 species that form the body of the work; only the insatiable collector or omnivorous reader of catalogues will occasionally feel the want of a topic like *Symplocos crataegoides*; but many other new and rare things like *Viburnum rhytidophyllum* are reliably characterized for the plantman who might without this volume search long. In the discussions interest is imparted by the scholarly interpretation of the names. The systematic explanation of botanical terms, a list of authorities for the binomial terms and a chapter devoted to the formation of an herbarium are valuable portions of the preface division. A careful reading of these and of the bulk of this wonderful book has revealed no errors or misprints. F. B. M.

SIR CHRISTOPHER WREN: SCIENTIST, SCHOLAR AND ARCHITECT, by Lawrence Weaver. Published by Charles Scribner's Sons.

The author, here, has almost reviewed his book for us in tabloid form in its subtitle. Certainly he has given us an excellently readable and entertaining picture of the great architect whose centenary so recently recalled him to general attention.

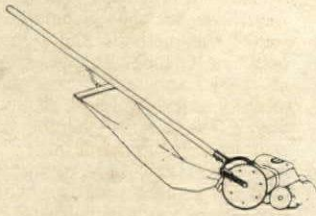
Mr. Weaver has generously sacrificed his personal opinion of Wren to an honest effort to give vivid glimpses and contemporary pictures of the man himself revealing him as a man of intense inquiring and experimentative mind, humanist like the architect-inventors of Renaissance Italy, in short, as proclaimed in the sub-title—a scientist, scholar and architect.

(Continued on page 148)

For brightening up indoors and out—

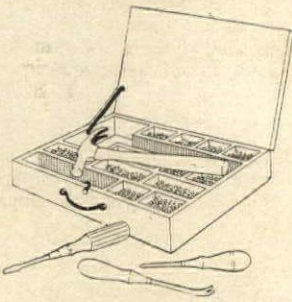
YOU'LL FIND everything at Lewis & Conger's. In the small space of this advertisement, we have attempted, by showing a few things that are appropriate to the season, to suggest dozens of garden and household appliances that are here awaiting your call.

The newest things, the best things, the things that are most carefully planned for your convenience; those are what you may expect when you come to Lewis & Conger's.



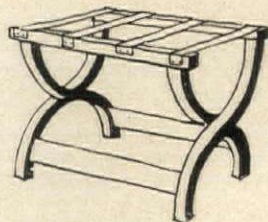
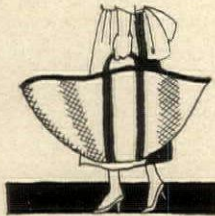
The Vital Automatic Vacuum Cleaner works by hand and makes its own power. Its first cost is half that of any cleaner that can compare with it for efficiency and it costs nothing to operate. It is a simple, strong, durable mechanism. Endorsed by Good Housekeeping Institute. Complete, \$33.75.

In this handy nail-box are nails, screws, tacks, cuphooks, picture-hooks, screw eyes, and brass-headed nails, as well as hammer, screw-driver, tack-lifter, and gimlet. In the Spring and through the year it proves its worth a thousand times. \$6.75.



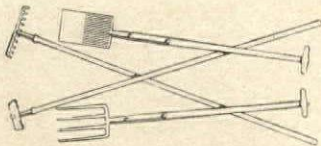
No-Moth will keep moths from entering your closet to occupy your clothes while you don't. Its pleasant cedar-odor does not cling to clothes, yet it drives away the boldest moth. \$2. Refill bottle, \$1.50.

The Utility Basket has astonishing space for carrying miscellaneous things. It is light—woven of strong, flexible grass—and it serves countless purposes. As good for toys or soiled clothes as for firewood. Hangs up flat. Unlined, \$1.38; jute-lined, \$2.25.



This sturdy luggage stand, finished in ivory, walnut, or mahogany, with straps of heavy webbing, will support a steamer trunk or traveling bag at a convenient height for your guests. Folded, it takes scarcely any space. \$7.50.

For feminine gardeners there is nothing so fine as these light, strong steel tools imported from England. Solid ash handles, just the right length. The set, \$11.25. Children's size, same fine workmanship, \$8.75.



Phone Vanderbilt 0571

LEWIS & CONGER

45th St. and Sixth Avenue

"A Houseful of Housewares"

M-24
LEWIS & CONGER
45th Street & Sixth Avenue
New York, N. Y.

Send me, collect, the items checked; () Vital Cleaner; () No-Moth; () Garden tool set at \$.....; () Luggage standfinish; () Utility basket at \$.....; () Nail box complete; () your free booklet, "Modern Home Equipment."

Name

Address

MCCRAY

REFRIGERATORS

— for all purposes —



Residence of Charles Schreiner, San Antonio, Texas, Emmett T. Jackson, architect, one of the many fine homes equipped with a McCray.

Invisible, but Vital

HIDDEN beneath the handsome exterior, are those essential qualities which make the McCray efficient and economical—the refrigerator you should have in your home!

First there is design—the patented McCray construction—which insures constant circulation of cold, dry air through every storage compartment. Then highest grade materials, each proved best for its particular purpose; expert craftsmanship, developed in our third of a century experience; unswerving loyalty to an ideal of quality in every detail of construction.

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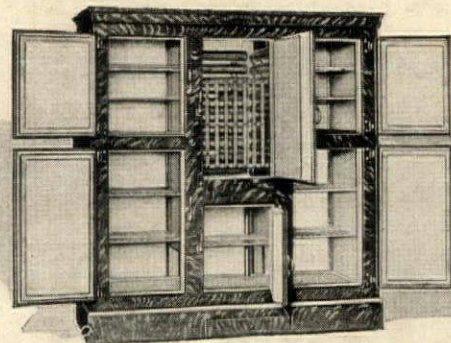
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ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 146)

The entire career of Sir Christopher Wren is broadly, but by no means carelessly, sketched in this small volume and the author has made room for plentiful quotations from contemporary sources, and for a full account of the designing and building of St. Pauls.

In commenting upon the proposed demolition of some of Wren's London churches, Mr. Weaver has withdrawn himself from the general hysteria on this subject, and points out that these churches are of uneven merit, and that some of them could be spared without irreparable loss. A thoughtful student of the architecture of Sir Christopher Wren, Mr. Weaver is able to point out which of the smaller churches deserves preservation, and which are of less architectural significance.

Among the quotations from the language of Sir Christopher himself are to be found such quaint and illuminating bits as the following:

"Although Architecture contains many excellent Parts, besides the ranging of Pillars, yet Curiosity may lead us to consider whence this Affectation arose originally, so as to judge nothing beautiful but what was adorned with Columns, even where there was no real use for them.—It will be to the purpose, therefore, to examine whence proceeded this affectation of a Mode which hath continued now at least 3,000 years, and the rather, because it may lead us to the Grounds of Architecture, and by what steps this Humour of Colonnades came into Practice in old Ages".

A humanist, a scholar, but by no means a pedant, Sir Christopher is revealed in Mr. Weaver's book as an eager, industrious and phenomenally patient and modest gentleman who left his world the more beautiful for his work, and his friends and acquaintances the more enriched by contact with him.

aries" and the like, they may never attain a correct and proper color scheme.

A color scheme which is pleasant to live with is all that is necessary, whether it is correct or not,—and the same thought holds true of much pertaining to the design and furnishing of a house, be it large or small.

FIELD BOOK OF COMMON ROCKS AND MINERALS. By Frederick Brewster Loomis. G. P. Putnam's Sons.

Amid the rapidly increasing appreciation being given by Americans to outdoor activities, in which are found refreshment and recuperation by those to whom mere play and sport are not satisfying, there is naturally more attention being paid to the rocks and the minerals that help to constitute them and to give them their forms and their colors which make them fitting subjects for study in association with the plant life as found in nature and as employed in reproducing naturalistic surroundings around dwellings that otherwise would appear bald or too artificial. The colors alone make interesting study. We Americans are not yet awake, in our gardening, in ornamenting our buildings and in art in general as are the inhabitants of the Old World to the enjoyment that colors are capable of affording. The marble statues of the Parthenon were brightly painted. Among the stones one finds the richest colors. Was it not Ruskin who taught that gems show colors that are the purest and the most intense?

This handbook supplies a need that has long been felt by those amateurs who love to dig and pick in mountain and quarry. Amateurs, amateurs, that is, who are only novices can not advisedly be referred to Dana or Brush or Penfield, for experience has taught that novices would soon be lost in the quicksands of scientific language. Here is presented a neatly printed handbook of pocket size and of only 285 pages, each of which induces the reader to explore a little further for a beautifully printed plate or interesting text.

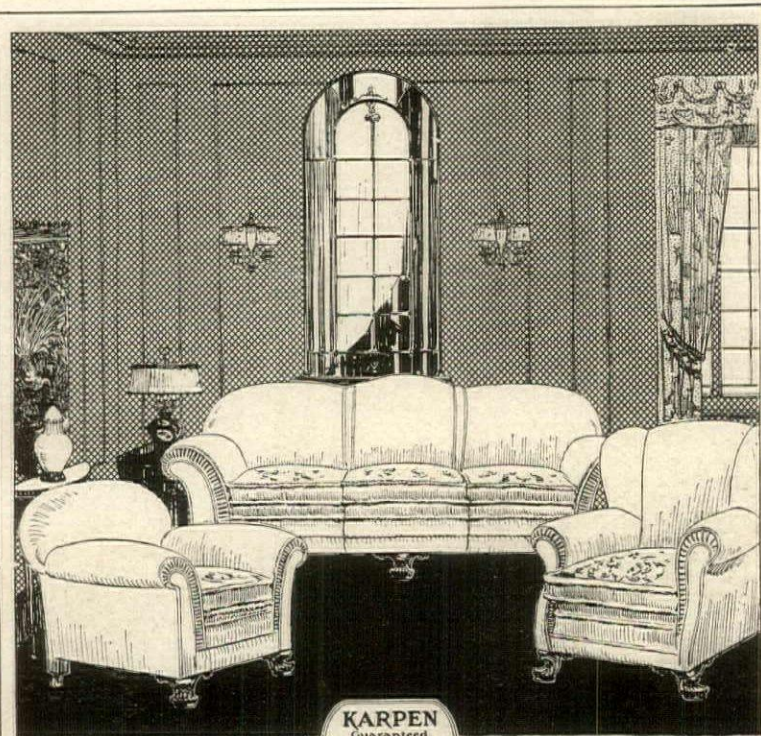
Perhaps the title had better been "Field Book of Minerals and Common Rocks", for that is the order of subject matter in the text. The preface, introductory chapter and Chapter II on Forms and Properties of Minerals should be read carefully. There is just enough crystallography in this second chapter to be helpful to the mineral enthusiast. The Key to Minerals in Chapter III is a valuable part of the volume; but, like all other keys, such as those for plants and insects, it requires some study, coupled with an ever widening experience, to acquire a keen appreciation of the terms "streak" and "hardness" and a perfect color sense.

The arrangement of minerals first and rocks second is commendable, as is also the departure from the mineralogical scheme of elements, sulphides, carbonates etc. to that of the metallic and non-metallic elementary groups. The use of formulas and scientific terms is not predominant and can be wholly ignored by those who wish to do so, without detracting in the least from the interest aroused in collecting "stones".

The printing is eminently clear and uniform and a delight to the eye. The ink, paper, sharpness of type and good register contribute toward making a well printed page. The binding, however, would not last well with the usual usage given to such handbooks in the field. Soft leather and flexible back are pronouncedly better, but of course more expensive. The price of \$3.50 placed upon the book is quite fair. Typographical errors are scarce, the omission of a *o* in "Limoniteon" on page 51 being the only one noticed casually.

The drawings and photographs are generally satisfactory and useful. The author is to be congratulated upon being

(Continued on page 150)



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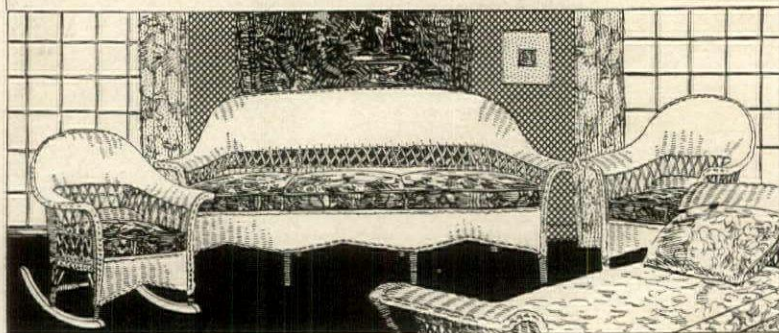
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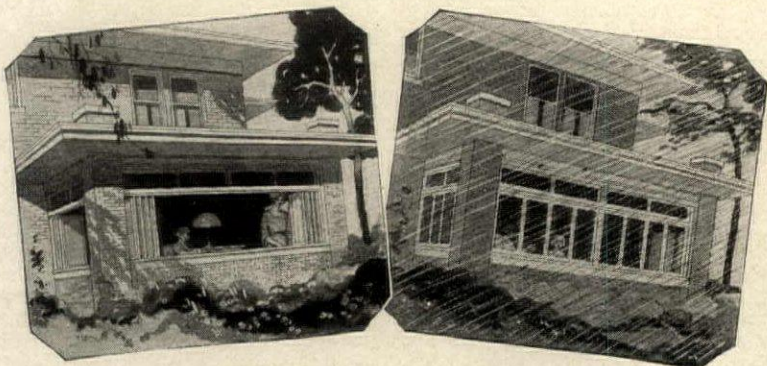


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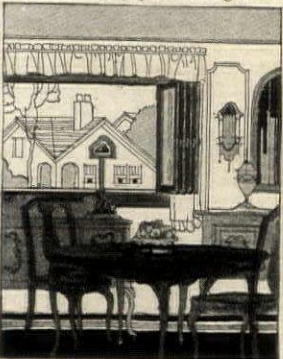


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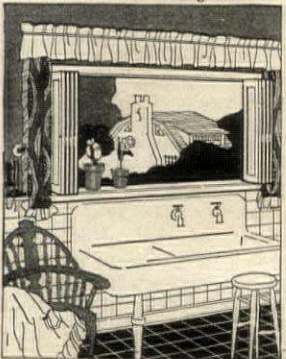
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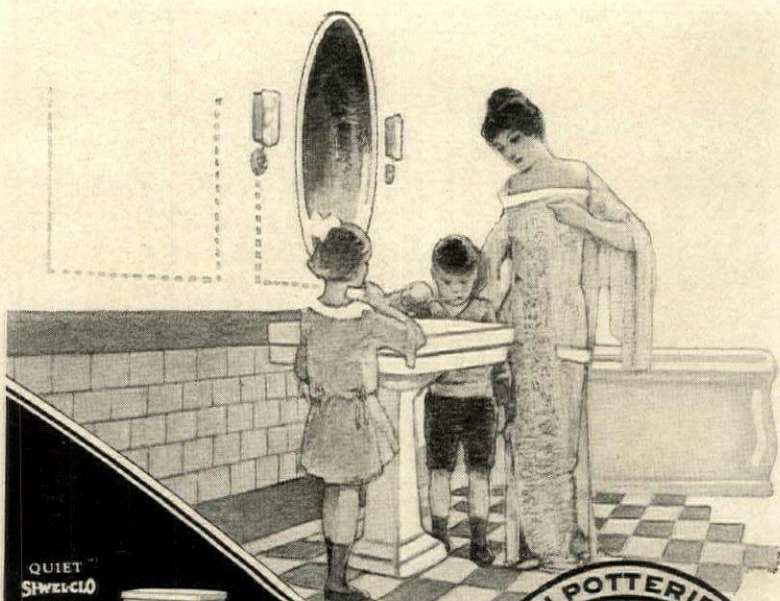
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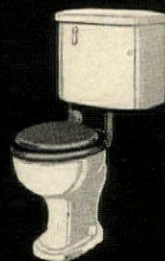
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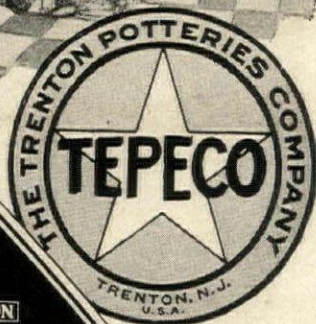
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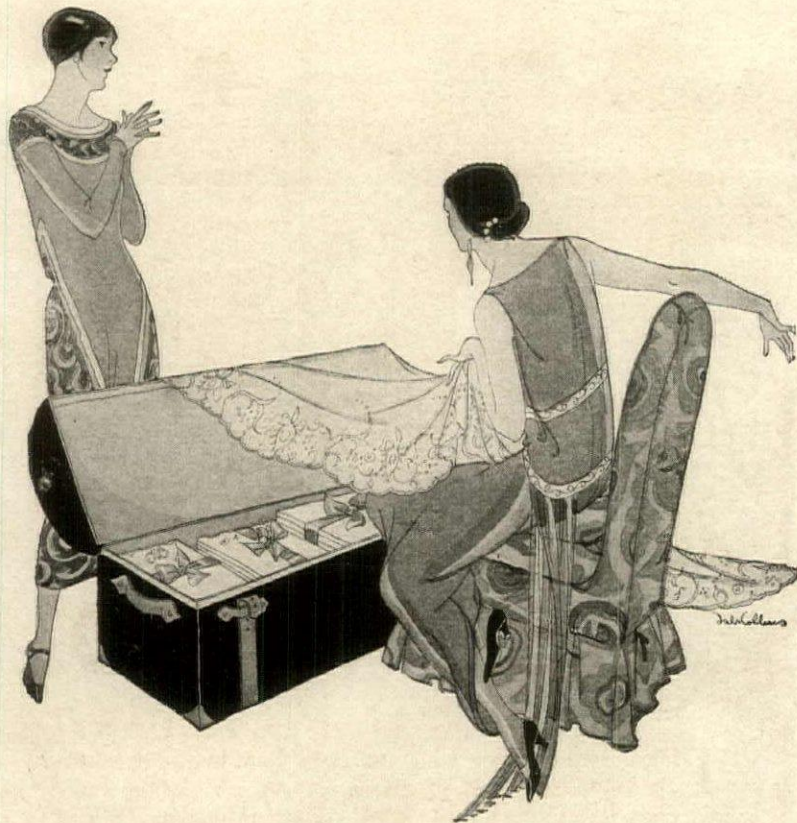
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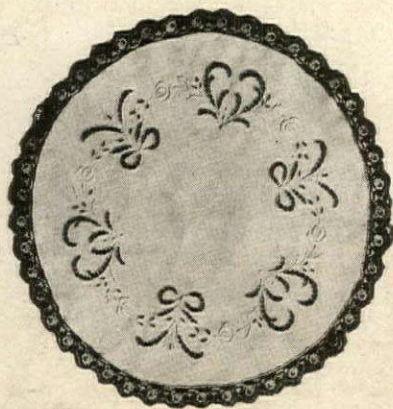
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ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 148)

so successful with his plates. But perhaps the impressions imparted by the colorings in the cases of silver, copper, chalcocite, hematite and niccolite are somewhat misleading to the novice; whereas in the lack of color in sulphur, Plate 51, there is a loss of opportunity to have the crystals stand out sharply from the matrix.

There is a fund of information associated usually with each mineral description; but with it all why were not the extensive uses of galena and pyrites as detectors in "wireless" mentioned? There are many users of these minerals who have no conception of what they are. It is a question whether ethylene should be mentioned as a constituent of natural gas since its presence is listed at such low percentage as to be negligible and even disputable. The reference to the presence of members of the "benzine" series in petroleum on page 227 should be to that of the "benzene" series.

Withal the author is to be congratulated upon the production of such an interesting and useful and much needed handbook. It is sufficiently complete and comprehensive for all ordinary use.
J. Howard Graham. F. B. M.

GARDENS IN THE MAKING. By Walter H. Godfrey. B. T. Batsford.

Here is a nice volume that should be taken as an antidote to the teaching of William Robinson. He, like other great luminaries of thought almost without exception, went out upon a tangent. Led by his brilliancy the designers of gardens and landscapes roamed far into the meadows and woods and along the banks of ponds and streams, with Nature. But the pendulum had to swing back, to use another incongruous figure, and it began to be perceived that while the true way was not to be found in the extravagant formalism of the past; there had to be some return to it. It began to be realized that in design the wild could be brought into too intimate contact with the building, just as in the excess of formalism the plan of the building was carried too far out into the wild. Mr. Godfrey was not afraid to assert that "architectural principles and garden design must go together", and that the architect, if he be a master of his art, should not be forbidden to harmonize the immediate surroundings of the building with the form of the fabric itself. The outdoor part of the home can not safely be left to a man who is only a gardener, even though he be a good gardener, for "gardening is a craft, and, if you will, a science; garden design is an art, and requires different knowledge, and faculties of quite another order".

So this is a good and a wise little book, written with the staid country homes of gentlemen and manor seats of the "tight little island" of England in view, before the war, even; the preface was dated just a few weeks before the beginning of that holocaust. But the principles are sound and the publishers seem to have had their fingers upon the pulse of the times in bringing it forth afresh.

It confines itself, with unusual steadfastness, to its purpose, and sets forth, in very good English, enforced by tolerably good drawings in black and white, some of which are birdseye views, the three principles that should control design: (1) Simplicity of treatment and harmony with existing conditions; (2) the avoidance of all inordinate display and the cultivation of privacy, with that ample protection and shelter which make for the maximum of usefulness and beauty in the garden domain,—repose; and rational and purposeful plan of the house and (3) the garden together. So it says much about landscape architecture and almost nothing about landscape gardening; much about stone and brick

and timber and almost nothing about grass and trees and flowering plants. For laying out and planting parks and private grounds of any extent, or for planting or tending a garden it consequently yields but little help; but along that line in which the builders of homes, even professional architects and landscape architects among us Americans come woefully short, the unifying of the outdoors with the indoors it is exceedingly helpful.
F. B. M.

ADVENTURES IN MY GARDEN AND A ROCK GARDEN. By Louise Beebe Wilder. Doubleday, Page and Company.

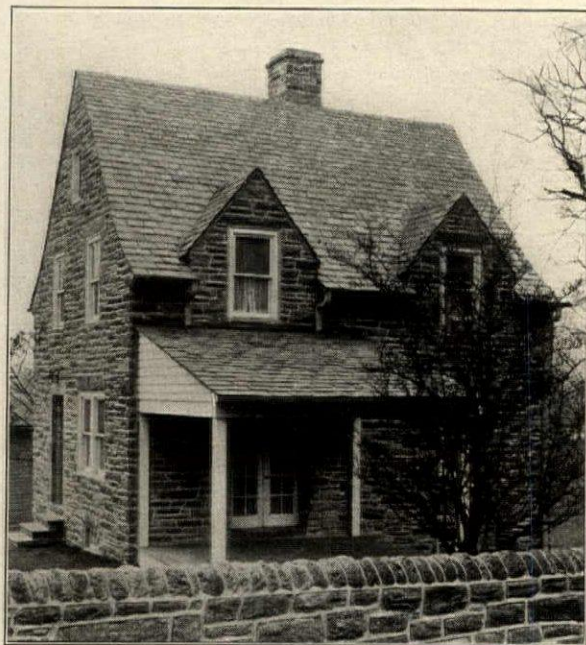
It was to be expected that something good would be produced when so prolific and so successful a writer of garden books as Louise Beebe Wilder set about telling of her large new garden. To this new garden she has brought not only her quite extraordinary talent for making garden pictures but also the choicest of the growing things she learned most to love in the former gardens. And, realizing the opportunity, growers of plants fine and rare all over the country, glad to have her friendship, have contributed from their treasures so that the new garden, which has had but two summers, already is literally "furnished from the ends of the earth."

First, among her Thoughts on Winter Green, clear and crisp as are the snow crystals themselves, there is focussing upon the opinion that "the mixed bonbon style of planting evergreens is one of the worst manifestations of our present day gardening" and that "upon the lawn of a little place one well grown Hemlock tree and one Dogwood or gay Japanese Crabapple would give infinitely more pleasure than a dozen expensive midgets each striving to make its personality felt above that of its neighbors". But there are not just thoughts and opinions: we sally forth actually to meet the spring and the leadership we have makes the adventure right enjoyable.

The bold harbingers of the new year are introduced each with words that characterize it most happily. This consistency in the use of the fitting adjective or descriptive phrase imparts to the book a unique charm. Human characteristics are bestowed upon various inhabitants of the garden with the same delicious naïvete that gives the imagery of the ancient Greeks its immortal savoriness. This feature of style is most in evidence in the chapter that, with sarcasm playful and yet biting, entitled The Meek that Inherit the Earth, treats of plants recommended in the catalogues as "useful for covering rough banks and for the rock garden". One is referred to as "a graceless outlaw, lovely and conscienceless, that will take what is its neighbor's without hesitation". The reader's memory goes back to the wily infant Hermes who stole away the Sun God's cattle and provoked, by sly winks, as he made denial, the laughter of the Olympians. The Dead Nettle introduced as "very attractive, but equipped with seven league boots, a practiced runner". And who that has once made acquaintance with Gregory's Spruce can henceforth fail to associate with it the words "a fat dumpy atom of a spruce, bristling with needles that point in all directions"?

It is delightful to walk with the author among "Violets of Hill and Dale", to listen to "A Lady of Little Bulbs", to follow her skilled lead in "Collecting Crane's-bills", to have one's eyes opened wider to "Poppy Magic" and to be shown how he who will may profit "By Benefit of Seeds". But, like the author, we shall do better to confine ourselves more to two matters that give this book at once a foremost place in the garden literature of America.

(Continued on page 154)



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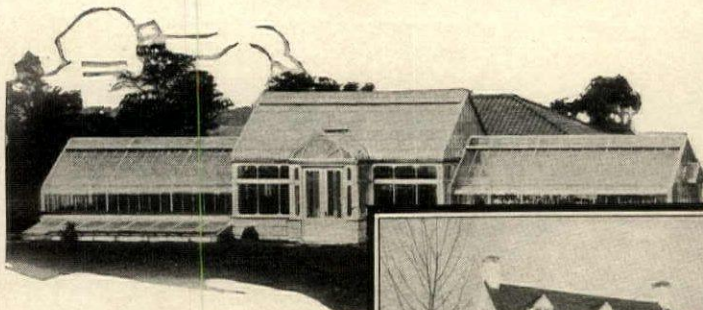
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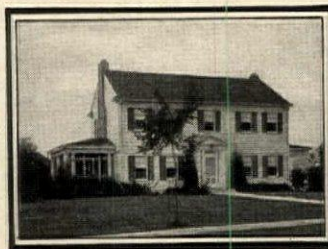
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Residence in Country Club District of
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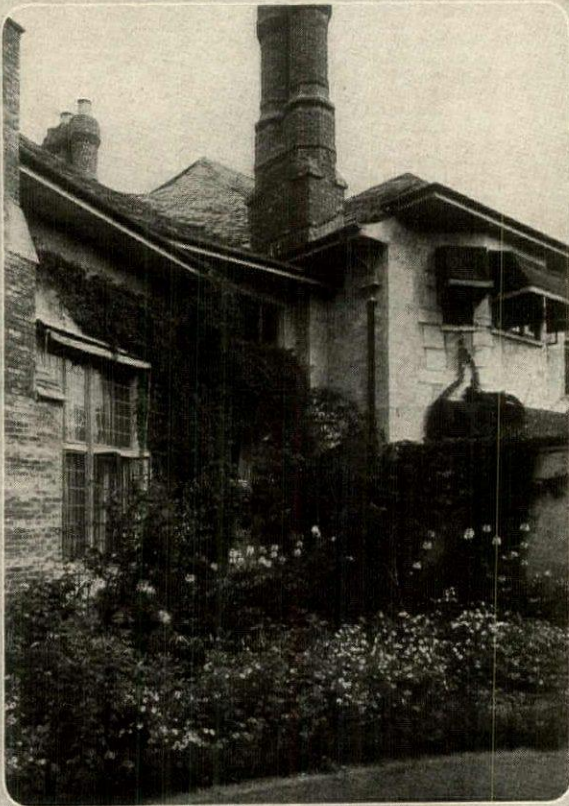


Exterior of Redwood
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Everett Addy, Architect

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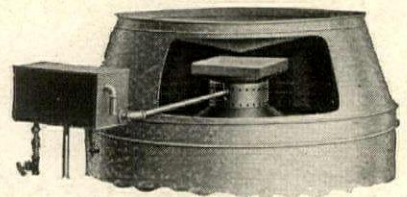
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But there was no element of chance about the choice of the Kelsey Warm Air Generator. It was based upon the knowledge of the owner and architects that the Kelsey Warm Air Generator would adequately heat the house, and at the same time furnish a constant supply of pure fresh air, automatically humidified.

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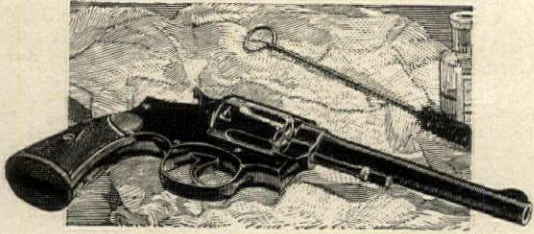
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Shall the river work— or shall you?

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They go to the river. Our American rivers are being trained to come to us. Water-wheels drive electric generators—thus water is supplied to the home, and electric current runs the washing machine which has banished so much toil.



Back of every great step in woman's progress from a drudge to a free citizen has been some labor-saving invention. Back of most inventions in electricity's progress from a mystery to a utility has been the research of General Electric Company scientists and engineers.

GENERAL ELECTRIC

ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 150)

The Primrose has needed in this country a scholarly and practical work corresponding to that done for it in Great Britain by John MacWatt. To this subject is devoted exactly one-seventh of the book, —50 pages,—and within that small compass even the person most capable of ardently devoting himself to this flower of poetic sentiment can find satisfaction. Some of the loveliest pictures in the book, —and there are nearly a score and a half, all excellent,—show how great a place the Primrose might have along stony paths and in that now so popular form of gardens, the rock garden.

And this is the second prominent topic. In the chapter Creating the Landscape are told adventures bold and yet always justified by the issues. A valuable chapter on Soils contains lists of plants requiring various kinds of soil and this is followed by a detailed setting forth of other particular requirements. But the chapter after that constitutes one of the most needed essays in modern horticultural literature, with the title "Shrubs for the Rock Garden". With it accessible there should no longer exist the common fault of tameness of plant life in the midst of natural ruggedness, for an evergreen or deciduous shrub can be selected for perfect adaptation to almost any kind of site in the midst of dwarfed "alpines". Nor, if there should be sudden failure with any of the perennials need any parch of the rock garden pass the summer and the autumn in bare nakedness, for twenty-one annuals are described for that emergency.

For good measure there are put into a few less than a hundred pages of rather fine print illuminative and instructive original observations on the growing of rock plants and, on top of that, condensed lists of plants for special purposes in the rock garden and for pleasing combinations. A concluding feature, worthy of being imitated by other books dealing with special subjects, consists of the names and addresses of nurseries and collectors of native American plants that are appropriate for wild places and the rock garden.

F. B. M.

CULTIVATED EVERGREENS. Edited by L. H. Bailey. The Macmillan Company, New York.

A quartet of reasons makes this a very notable work. First, Evergreens constitute, because of their variety of forms, size and general character as well as their perennial elegance, the largest and most important element in landscape design on all scales; Second, With all their importance they are now relatively of high price and hard to obtain, in the United States of America, because of Federal quarantine which shuts out the enormous quantities of "growing-on" stock that used to be imported from Holland and other parts of Europe and because they are of slow growth; Third, The propagation of many varieties is difficult and too little understood by Americans, who furthermore have lacked the patience and the trained nursery helpers so requisite; Fourth, The authors of the book are experts, each in his own portion of the field, chosen by the one man whose acquaintance with all details of the subject is quite extraordinary, whom any student of anything relating to plants would be glad to serve, and who is gifted with a genius for graceful literary expression.

All departments and all phases of the complex subject, which has a range from ground-creeping plants like the Japanese Spurge up to the Redwood, one specimen of which lifts its head 340 feet into the air, are handled in ways scholarly, refined and thoroughly practical, with the exception of the propagation of the broad-leaved evergreens, somehow strangely omitted. In faultless arrangement and

covering, with print fine but of high degree of legibility, 204 pages of this magnificent and large volume is found to be the most painstaking botanical treatment the subject ever has received. The credit for it belongs to Alfred Rehder of the Arnold Arboretum. In this department of the work the names obey the International Rules of Botanical Nomenclature, as is well, for thus can there be better correlation with other existing books and essays of the character; but in cases in which the name advocated by the American Joint Committee on Horticultural Nomenclature and printed in their book "Standardized Plant Names" differs, that name is given as an alternative. The common names are all those that have received this committee's approval.

If the other joint authors had used the names so carefully it would have been better, particularly because they have concerned themselves with aspects of the treatment that are of more general interest and that appeal more to persons who do not themselves, as a rule, make exact study of terminology. Their labors are highly commendatory in other respects, however. In poetic and imaginative scope, with diction and eloquence of expression that harmonize with those of the general editor, they first present, not without some of the dramatic fervor of Longfellow, Bryant and Whittier writing of the same trees, the Coniferous Evergreens in the Landscape. But as men practically engaged in the handling of these great gifts of Nature, R. S. Hosmer of Cornell University, and O. C. Simonds and S. F. Hamblin skilled in landscape design and in the art of instruction, they bring the trees out of the woods and home to us as it were, or at least more intimately into our somewhat man-made surroundings and give us greater appreciation of their worth as parts of our environment when they are placed with true artistry. All matters, big and little, relative to making the trees feel at home in such surroundings are discussed by that man who might almost be regarded as a wizard in the general care and handling of plants of the garden, John Dunbar, of Rochester's Highland Park, and that other man whose skill seems to be almost as magical in moving large trees and making them grow, Henry Hicks, whose practical wisdom is supplemented by others skilled as but few men in the country are in that most difficult branch of nursery propagation, the branch made additionally difficult by the fact that so many of the subjects are exotic and not yet understood.

The Adaptation of Conifers naturally follows as the third main topic. The choice of authors for this also has been a happy one, not only in that Dunbar, Brett, Macoun, Bollinger and Braunton are well versed and of long experience but also in that they have had their experience in various parts of the country and amidst conditions made divers by factors other than those of latitude merely. The most striking among their new contributions to our knowledge is made by their careful noting of the trees' behavior in later life; the books and the treatises of other forms that have appeared in the fifty-five years that have elapsed since the Book of Evergreens by Josiah Hoopes have been few, small and fragmentary. In the case of no other plants is this phase of the subject so pregnant, for, as the gifted Author observes in the Preface, Evergreens "have a strong juvenile habit and quality and they age gradually into a picturesque maturity, each one with outstanding individuality". Concerning garden treasures so costly, then, of not money so much as of time, it is valuable forecasts that are found here. There is prudent teaching also about selecting sources of any one species: the Cedar of

(Continued on page 156)



Are you the lucky one in five?

Not if your gums bleed easily
Check Pyorrhoea with Forhan's

Pyorrhoea, destroyer of teeth and health, plays no favorites.

Dental records show that four persons out of every five past 40, and thousands younger, too, are Pyorrhoea's victims.

Heed Nature's warning — tender, bleeding gums—before it is too late.

Better still, stop Pyorrhoea before it strikes by regular visits to your dentist and by brushing your teeth twice daily with Forhan's For the Gums.

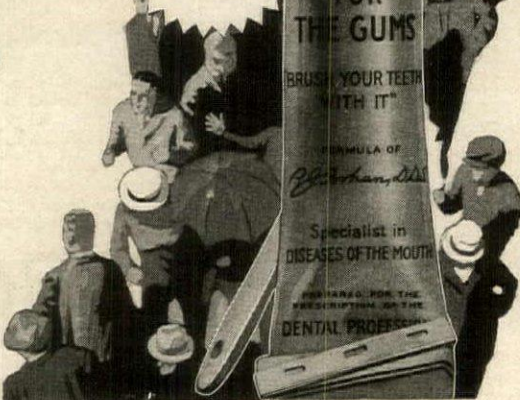
Forhan's For the Gums, if used in time and used consistently, will help prevent Pyorrhoea or check its course; keep the gums firm, the teeth white, the mouth healthy.

There is only one tooth paste of proved efficacy in the treatment of Pyorrhoea. It is the one that many thousands have found beneficial for years. For your own sake, make sure that you get it. Ask for, and insist upon, Forhan's For the Gums. At all druggists, 35c and 60c in tubes

Forhan's FOR THE GUMS

More than a tooth paste—
it checks Pyorrhoea

Formula of
R.J. Forhan DDS
Forhan Company
New York





On the quality of Stucco used depends the value and beauty now and in years to come

When You Build or Rebuild Your Home

YOUR architect or contractor will prefer ASBESTONE because it is absolutely guaranteed—because of their confidence earned in 18 years of adherence to the highest standards of quality and beauty. Unsurpassed in covering properties, it has no equal in tensile strength and resiliency. Weather-proof, fire-proof, and permanent; it will not crack from settling strain. ASBESTONE has three or four times the strength of Portland Cement Stucco. ASBESTONE quality is absolutely uniform, every shipment having special laboratory tests. You will want to know the numberless reasons why it is the very best and most economical Stucco for *your* purpose.

Consult your local Building Supply Dealer, or write for our interesting booklet, "Stucco of Quality," mailed upon request.

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EVERLASTING MAGNESIA STUCCO

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Manufacturers of Composition Flooring and Stucco
310 MADISON STREET WAUKEGAN, ILL.



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Truscon Copper Steel Standard Casements give quality workmanship at a price within the reach of all. They are fireproof, permanent and weather-tight—never stick, warp or sag.

Ask your local dealer about Truscon Standard Casements. If he does not handle them send us his name. Catalog will be sent on request.

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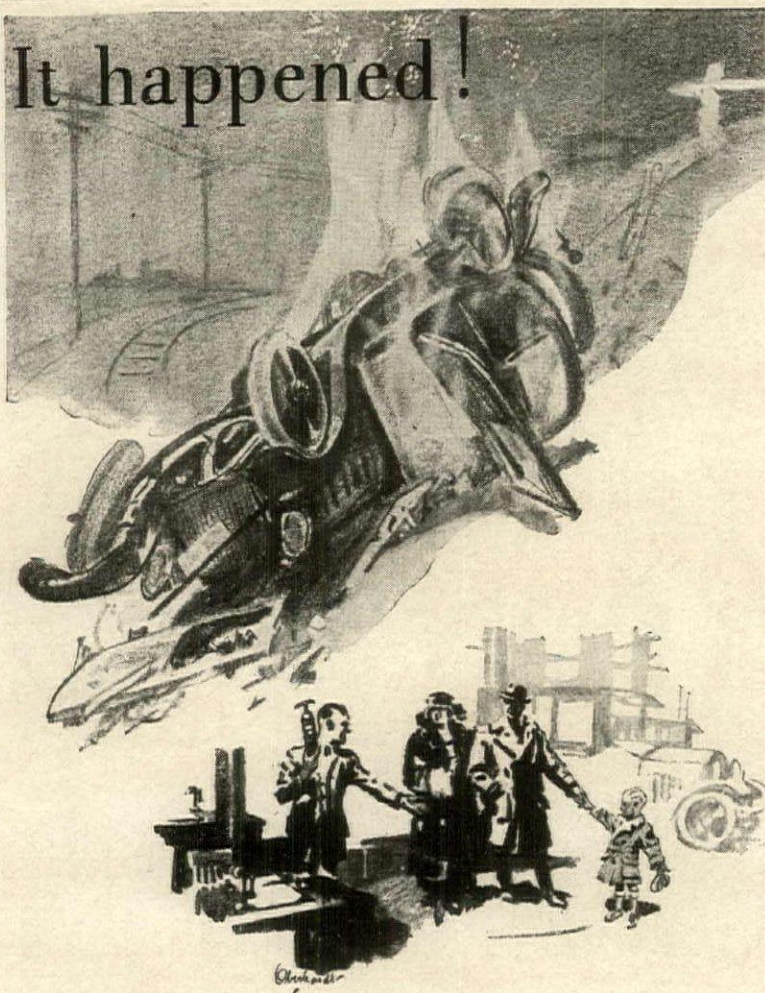
*Warehouses and Sales Offices in Principal Cities.
For addresses see 'phone books of principal cities.
Canada: Walkerville, Ont., Foreign Div.: New York*

TRUSCON

COPPER STEEL
STANDARD CASEMENTS

ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 154)



The first ride in your new closed car might prove to be the last if you started without Pyrene protection.

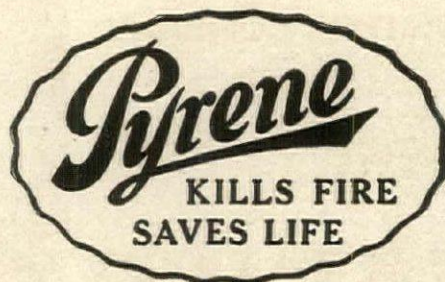
...

New cars are just as likely to skid or be hit by other cars and "turn turtle" as are old cars. When a car turns over and the doors jam, there is no method of escape and fire may start instantly.

With a Pyrene you can put out that fire at its start and save yourself and your car. Have a Pyrene in your new car before you take the first ride.

Sold by garages, automobile, hardware and electrical supply dealers

PYRENE
MANUFACTURING COMPANY
Makes Safety Certain
NEWARK, NEW JERSEY



Pyrene SAVES 15% on your auto fire insurance premium

Lebanon has hardiness in a climate like that of western New York State only in its race derived from the highest mountains of Asia Minor; all over the northern and north-eastern States the Douglas-fir is hardy only in forms derived from the interior of the continent and not in the form from the western coastal regions. But new conifers too are set before us, like the new dwarf White Spruce from Alberta, which is going to be very valuable in formal gardening.

Like all treasured possessions, changeable and not subject to change with time, however, these prizes at all stages need safeguarding. Largely because of their being immigrants many become the prey of insects and are exposed to diseases and injuries, while even the natives lamentably are prone to succumb in these days when Nature has to a great extent been put out of joint by man's insatiable longing for a widening and deepening and elevating of interests. So this very comprehensive work must have its hospital department. It could be in no safer hands than those of Doctors Crosby, Palmer and Dickson, to whom the national government and state governments have issued certificates permitting them to practice. They willingly instruct us in diagnosis and go even further than to show us how to give first aid. Like all sensible men practicing medicine and kindred arts they hold us back when we in our anxiety would go too far and persuade us not to dose immoderately and not to "operate" more than it is necessary to help Nature to do her loved work of healing and restoring and imparting new life.

Some of Nature's secrets but lately discovered by that devoted searcher among the family of plants that has been so reluctant to "make up" with man, the ericaceous, shares with us discoveries that when finished will undoubtedly result in complete solution.

The concluding contribution, made by R. W. Curtis of Cornell University, is a kind of summary of the instructions of this very instructive book. As a result of unsparring exertions in research he furnishes, in a Check-list of Woody Evergreens, items of information to guide in the selection and the care of these plants from Maine to California and from Canada to Florida.

The handsomeness of this beautiful volume is enhanced by forty-eight half-tone plates, almost without exception clear in minutest details, illustrating for the most part the more deserving of the less familiar subjects; pictures of several more could be wished for. Most of the less known species and varieties have their identification helped by skillfully made drawings that serve the purpose better than would photographic reproductions which are sometimes actually encumbered by representation of details of what is merely seen upon the surface, as a good portrait painter can excel the camera which works with mechanical precision but is lacking in intelligence to interpret.

THE AMERICAN ROSE ANNUAL FOR 1924. The American Rose Society, Harrisburg, Pa.

"Biggest and best!" It is a pleasure to be able to say that of the 1924 volume of The American Rose Annual, for of all the horticultural books that come to a reviewer's desk each year none is more eagerly awaited than this compendium of the best in Rose experience, advice and progress. Those who love the Queen of Flowers never fail to find it of absorbing interest from cover to cover.

It is one of the valuable privileges of membership in a society that has gone far and will go much farther in its avowed purpose "to increase the general interest in the cultivation and improve the standard of excellence of the Rose for all people."

Eminently fitting is it that this ninth successive volume of the Annual should be the best, for its publication marks the twenty-fifth anniversary of the Society's founding. From a most modest beginning in 1899 the membership has increased to nearly 4,000 in 1924—a gratifying growth not the least of whose accomplishments is the production of the present volume.

It is difficult to single out for particular mention any special features of this 200-page symposium with its profuse plate illustrations in color, halftone and line, for so many crowd forward that wise selection becomes a task. But at the risk of slighting other features equally important, the following may be set down as suggestive of the scope and all-around value of the book:

The Story of the Mary Wallace Rose, the epoch-making new variety introduced by co-operation between the Department of Agriculture and the American Rose Society, is told in color picture and in interesting detail. Another Rose in the same series to be introduced in 1925 is announced as "Heart of Gold."

Two New Municipal Rose Gardens are described and pictured, and Rose successes all over the United States as well as in Italy, Germany, China and Japan are entertainingly described.

The Rose as a Cut Flower is treated by two national authorities in such fashion as to provide complete information as to modern tendencies. The Rose for every back-yard is again presented in "The Favored Roses of All America," detailing the favorite dozen bush Roses and the favorite dozen climbing sorts, collectively and in seven climatic zones.

The Member's Rose Forum present inquiries from seventy-six amateurs all over America, with replies. Rose Notes, in a new form, adds fifty separate paragraphs, separated into six sections for convenience, and carrying on the intimate personal relation of Rose growing in a fashion wholly unusual.

The New Roses of All the World includes accurate advance descriptions of 138 varieties produced in Great Britain, France, Holland, Germany, the United States, Canada and Australia. Another advance note is found in five articles describing new strains originated in Australia and adapted, it is believed, to sections of the United States now needing that adaptation.

Seven articles of authoritative character bear on the production of new Roses in America for America and by Americans. Some original advance statements are included in five articles on winter protection and manuring.

Nor has the literary side of the Rose been neglected. There is a delightful essay by the President based on Oppenheim's "Bread and Roses," and an appealing bit of blank verse in Mr. Morgan's "What My Garden Means to Me." A curiously interesting relation of London *Punch* with the first Rose show (1858) is brought out in Mr. Baker's article on Dean Hole and the First Rose Show.

A sketchy and inadequate hint, this, of a volume whose pages include 104 articles and in the making of which 167 persons have participated. Mr. J. Horace McFarland, the editor, is to be congratulated on the skill with which he has assembled these items of Rose lore into a book of fascinating interest and permanent value.



HEALTH-GIVING



Among its other advantages—

the shower saves the tiring back-bending over the tub when bathing children

AND still another advantage is the time that the shower saves—you can give the children a bath in a couple of minutes or take a shower yourself in that time.

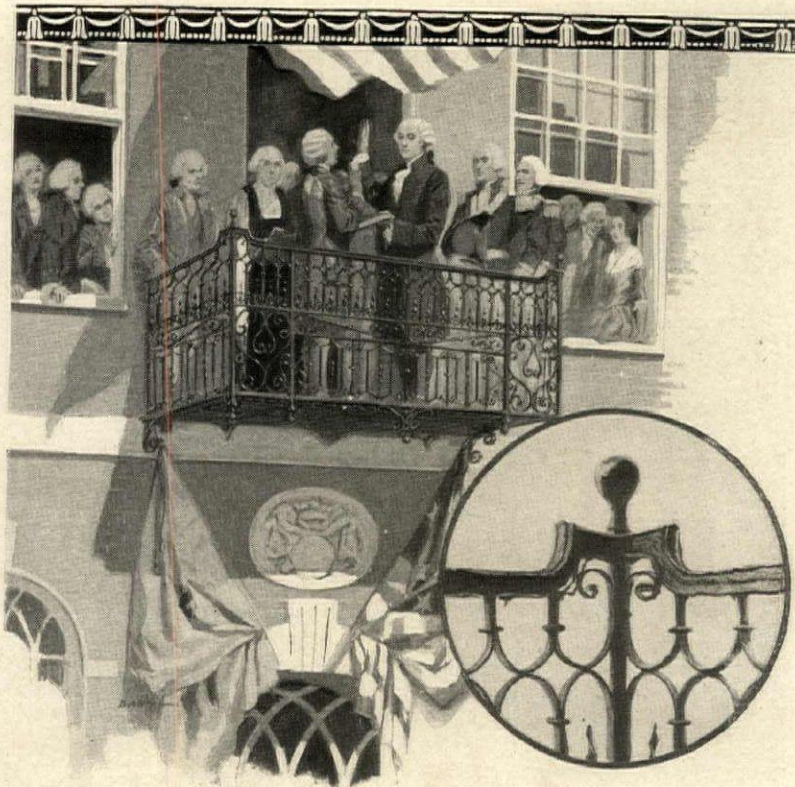
Then there is the cleanliness of the shower—what the pores have been cleansed of is washed away instantly—the water is used but once.

Our booklet "Once Used Water" will show you the shower best suited to your present bathroom. Or, it will perhaps give you some hints or suggestions if you are building. We will send a copy; will you please mention your plumber's name?

SPEAKMAN COMPANY, Wilmington, Del.

SPEAKMAN SHOWERS

THE MODERN BATH ROOM HAS A SHOWER



On this old balcony Washington was made president

NEXT to Independence Hall in Philadelphia stands the hardly less famous Congress Hall. One of the features of the latter building is a balcony of wrought iron, as simple and unpretentious as the edifice it adorns. But many are the great events this little balcony has seen in its long life, among them being Washington's second inauguration as President.

Time has treated kindly this balcony which is older than the United States of America. A century and a half of storm and sun have left few traces to mark the passing of the years. Nor is this strange when we remember the rust-resisting qualities of wrought iron.

In specifying Reading Genuine Wrought Iron Pipe, the user knows that he is getting a lasting pipe at reasonable cost. At not much more than the price of steel pipe, Reading gives from two to three times longer service—two or three times greater protection against leaks that will surely mean expensive repairs and may result in serious property damage.

The extra "leakage insurance" alone is worth a few cents extra cost per foot. On a cost per year basis "Reading" is the least expensive pipe you can buy.

The U. S. Realty Building at 115 Broadway, New York City, is typical of the important structures equipped with Reading Genuine Wrought Iron Pipe.

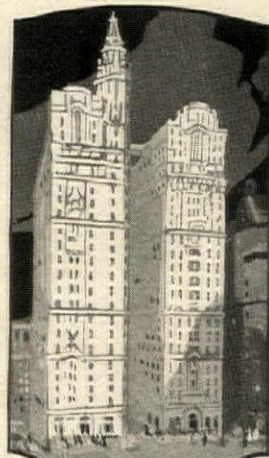


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SOLID SILVER
Precious through the Ages


Ancient mystic China has passed away, but echoes of her surpassing artistry come down to us in imperishable examples of her silver urns and vessels.

THROUGH the march of dim, forgotten centuries the art of the silversmith has never faltered. Today Towle craftsmen work only in Solid Silver (*Sterling*).

The bride and hostess are offered rare designs that range from rich adornment to classic simplicity. These your jeweler will gladly show you for wedding or anniversary gifts.

Booklet 22 on request.

A thought for the Mah Jongg hostess—Towle Chinese Chippendale sandwich plates and bonbon dishes for prizes or table appointments.



This mark and "Sterling," your guarantee of Solid Silver, imprinted on every piece.



Three pieces from the Virginia Carvel Tea Set

The Lady Mary *The Virginia Carvel*

TOWLE
Craftsmen in Solid Silver for Over Half a Century
NEWBURYPORT MASSACHUSETTS



One of the most frequently encountered everlastings, and one of the most attractive, is Common Immortelle, or Xeranthemum annuum

FLOWERS EVERLASTING

DR. E. BADE

THESE peculiar garden flowers, which although they produce blooms capable of being preserved for an indefinite number of years, are still comparatively rare in the garden. They are for the most part annuals such as the immortelle or Globe Amaranth. They are natives of Africa and Australia where these peculiar and unique flowers form real carpets at an elevation of ten thousand feet, and whose color ranges from bright red to yellow and white, giving a pleasing effect to the mountain ranges. Their value in the garden has not, as yet, been universally appreciated, although, when planted in groups in a light soil and in a sunny situation, they are quite willing to flower. The seeds can be sown in the hotbed in March; in April they are sown in the open. Then, from June to late in the fall, their flowers will make their appearance, and as one has bloomed, another will be ready to take its place.

hot, plants must be selected which, under natural conditions, live in such localities. The beds should never be fertilized to any great extent, although leaf mold and other decaying vegetable matter can be added as well as lime mortar if the soil is not naturally loose. Sand can also be added, but this depends entirely upon the type of soil available.

Under certain conditions these plants are well adapted for those places in the garden having a poor type of soil. But for those places which are exceptionally

The flowers of these everlasting flowers are primarily used to make so called permanent bouquets; for the blooms are provided with dry, membranous, varicolored, petals which do not dry out and wilt. They are naturally dry, and a special method of preparation is not necessary. The flowers are cut, with a part of their petiole, just before they have opened to their full size. Then they are hung in a shady spot to dry, after which a thin paper covered wire (green) is wrapped around the blossoms, a few paper leaves added if desired, and the bouquet placed in a dry vase.

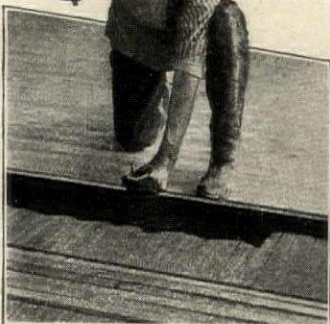
Ammobium alatum, a native of Australia, can be cultivated in pots if so
(Continued on page 162)



The seeds of the Winged Everlasting, Ammobium alatum, an effective variety with golden yellow flowers, should be sown in April. Their soil should be moist



"HOME SWEET HOME," a model house, replica of John Howard Payne's boyhood dwelling, recently opened for exhibition in Washington, D. C. Oak Floors in use.



Easily Laid

The work may be done one room at a time if desired, disturbing no wood-work, except the moulding at the baseboard.

Modernize your home

with $\frac{3}{8}$ inch Oak Flooring

laid right over the old softwood floors

Nothing will give an atmosphere of newness to the old home so quickly as a beautiful oak floor in all the principal rooms. It becomes part of the scheme of decoration as well, finished in natural oak, or in any of the many new color finishes which harmonize with walls and hangings. Imagine the richness of "weathered" finish in living room or library, gray in the dining room, or "forest green" in the sun room or breakfast porch.

A special thickness of oak flooring, known as $\frac{3}{8}$ inch, is recommended to lay over the old floor. None of the present woodwork need be disturbed, except the quarter-round at the baseboard. Rooms may be floored one at a time, if desirable.

The cost of permanent oak floors will not exceed that of new rugs or carpets, and is really an investment, as oak floors never need replacement. They grow more valuable and beautiful with age. They are easily kept bright and clean.

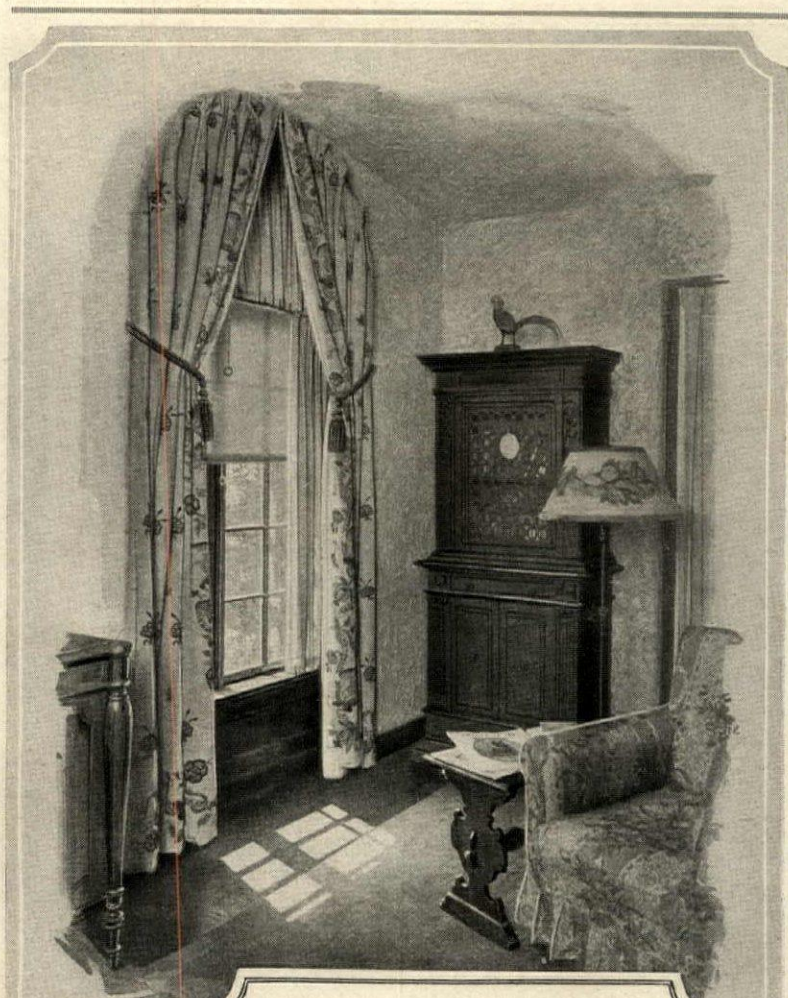
Let us send you our new book, "The Story of Oak Floors," 24 pages of interesting information, with color plates of the new finishes. Use the coupon below.

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1047 Asbland Block, Chicago.

Please send me your free, illustrated booklet, "The Story of OAK FLOORS."

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Keep your windows cheerful and yet obtain the perfect shade service that comes from Hartshorn Shade Rollers and Shade Fabrics. Mounted on Hartshorn Rollers, your shades rise at the slightest touch, lower and stay put where you want them, run straight and never "jam".

This is the reason so many thousands of women say "Hartshorn" at their retailers when they renew their shades. Join their number if you want both home cheer and perfect shade service.

Mrs. Alice Burrell Irvine has written an invaluable little book, "Shade-Craft and Harmonious Decoration." On request we will send a copy with our compliments.



STEWART HARTSHORN CO., 250 FIFTH AVENUE, NEW YORK

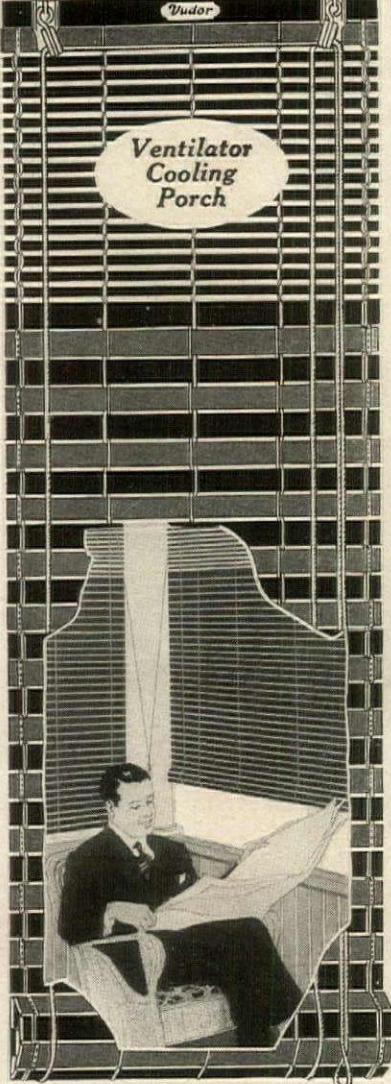
CONSULT AN ARCHITECT BEFORE BUILDING



Put your flooring problems up to our experts. We will gladly serve you.

NATURE'S GIFT OF EVERLASTING BEAUTY

The Only Shade Made With A Ventilator



Ventilator
Cooling
Porch

Cool, Comfortable Hours

Hot afternoon hours become cool, comfortable hours where VUDOR Porch Shades are used.

VUDORS turn warm summer porches into sequestered nooks of coolness, comfort and privacy. Invigorating fresh air circulates freely through the ventilator at the top (an exclusive VUDOR feature).

VUDOR Porch Shades are very moderate in price. A shade 6 feet wide with a drop of 7 feet, 6 inches now costs only **\$6.50** north of Alabama and east of Colorado. Sizes to fit any porch priced proportionately.

Send for illustrations in colors and the name of your local dealer.

Hough Shade Corporation
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Send name of your local dealer and also illustrations in colors to

Look for the VUDOR nameplate—the sign of the genuine

Vudor
Self-Hanging
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PORCH SHADES

MADDOCK

Sanitary Fixtures



Louis XVI sat for Joseph Ducreux in the heyday of miniature painting.

objets d'art



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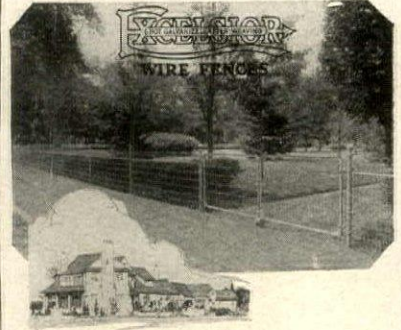
White Vitreous China Pedestal Bidet with flushing rim and integral douche. Fitted with supply valves with all-china handles and escutcheons for supplying hot and cold water to the flushing rim or centre douche and pop-up waste to retain the water in the bowl when desired.

MANY strive for effects that are achieved without conscious effort by a few.

Thomas Maddock bathroom appointments are made especially for those homes in which every detail of furnishing and equipment is an unstudied expression of refinement.



THOMAS MADDOCK'S SONS COMPANY
Trenton, New Jersey.



Wickwire Spencer patent fence, clamp construction, gives perfect alignment—every wire held solidly.

The fabric is hot galvanized after assembling, giving it a thorough coating of zinc that makes the fence rustproof and gives it added strength by soldering every clamp in place.

Excelsior Rustproof Ornamental Wire Fence answers the demand for a combination of artistic attractiveness, strength and absolute protection.

Catalog upon Request

WICKWIRE SPENCER STEEL CORPORATION

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A Kaustine Septic Tank installed on the premises of your suburban or country home will give you all the conveniences of city sewage disposal. It costs no more than the ordinary cesspool and is far more healthful as it reduces sewage to clear water. Cesspools are disease breeders; they hide filth but do not destroy it. The Kaustine Septic Tank eliminates this danger.

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coated inside and out with Hermastic Enamel. It requires no attention and is guaranteed for 15 years. The installation is a simple one; sizes for cottages, homes, buildings and entire communities.

Send your problem to us and let our Engineering Dept. send you complete specifications without charge. Your local plumber can supply Kaustine equipment. Write today for free booklet 202.

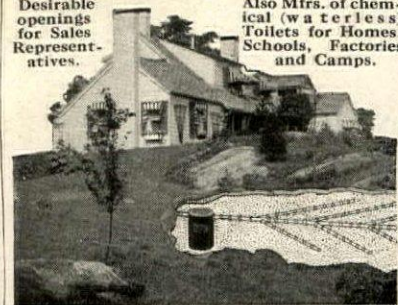
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Desirable openings for Sales Representatives.

Also Mfrs. of chemical (waterless) Toilets for Homes, Schools, Factories and Camps.



Kaustine Enamelled Iron Septic Tanks
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On the floor is Pattern No. 542. In the 6 x 9-ft. size it costs only \$9.00

For a spotless kitchen floor—Gold-Seal Congoleum!

Spotless cleanliness, attractive cheery patterns, sturdy durability—these are the qualities one looks for in the floor-coverings for the “service” rooms of the house. And they are precisely the qualities of *Gold-Seal Congoleum Rugs*.

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Made with a surface that is smooth and firm, Congoleum Rugs cannot absorb dust, grease, or spilled liquids. All these modern floor-coverings ever need by way of cleaning is a brisk wiping with a damp mop or cloth.

Only materials of the finest grade enter into the making of these rugs, thus insuring exceptional strength and serviceability. And they require no fastening to make them lie flat. They hug the floor and never curl up at the edges or corners.

A Wide Variety of Patterns

The fresh-looking brown and white tile pattern illustrated above is but one of several designs appropriate for kitchen and pantry. More elaborate and colorful motifs may also be had—admirable for the maid’s room or nursery.

Popular Sizes—Low Prices

6 ft. x 9 ft. \$ 9.00	9 ft. x 9 ft. \$13.50
7½ ft. x 9 ft. 11.25	9 ft. x 10½ ft. 15.75
	9 ft. x 12 ft. \$18.00

Pattern No. 408 (shown below) is made in all sizes. The other patterns illustrated are made in the five large sizes only.

1½ ft. x 3 ft. \$.60	3 ft. x 4½ ft. \$1.95
3 ft. x 3 ft. 1.40	3 ft. x 6 ft. 2.50

Owing to freight rates, prices in the South and west of the Mississippi are higher than those quoted.

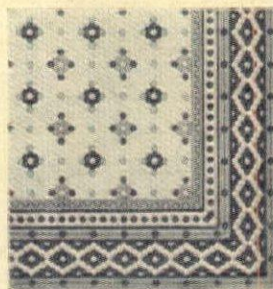
You can identify genuine guaranteed *Gold-Seal Congoleum* by the Gold Seal label shown above. Be sure to look for it when you buy!

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Gold Seal CONGOLEUM RUGS



Pattern No. 408



Pattern No. 530



Pattern No. 321



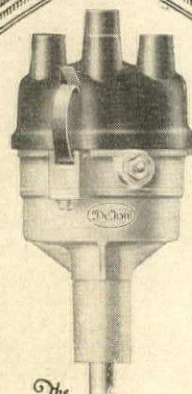
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Starting, Lighting and Ignition System

De'Jon is created to add the final touch of perfection to those motor cars in which quality is the paramount achievement. Indicative of the care and soundness of De'Jon engineering is the large type Distributor. It is designed with stationary housing and movable breaker plate, and is simple, strong, quiet, easy to time and readily accessible.

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Women know the advantages of Softened Water



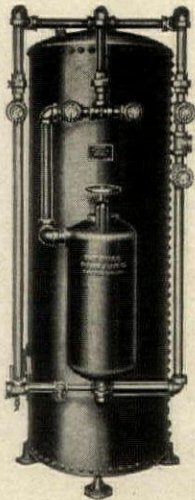
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Duro-Softened Water is softer than rainwater and as clean and pure as your city water; for it is your city water passed through a mineral sand that automatically removes all traces of hardness. In it, soap lathers freely.

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DURO Water Softener



The latest Duro Product. Simply connect in city water line. Cistern and the usual double plumbing are unnecessary.

The Duro Water Softener has many advantages over older types. It employs the upward flow principle—admittedly the best engineering practice. There is no packing of mineral. Regeneration is a simple process, quickly performed. Simplicity and efficiency are the outstanding features of the Duro rapid-rate upward-flow principle.

Duro Household Water Softeners are built in four sizes, with a range in capacity from the smallest to the largest homes. The large sizes are also used in beauty parlors, commercial laundries, restaurants, etc. A Duro Softener can be easily installed in either an old or new residence or building.

Write today for descriptive booklet and name of nearest Duro dealer.

THE DURO PUMP & MFG. CO.
305 Monument Ave. Dayton, Ohio

Also manufacturers of Duro Water Systems for cisterns, shallow wells or deep wells.

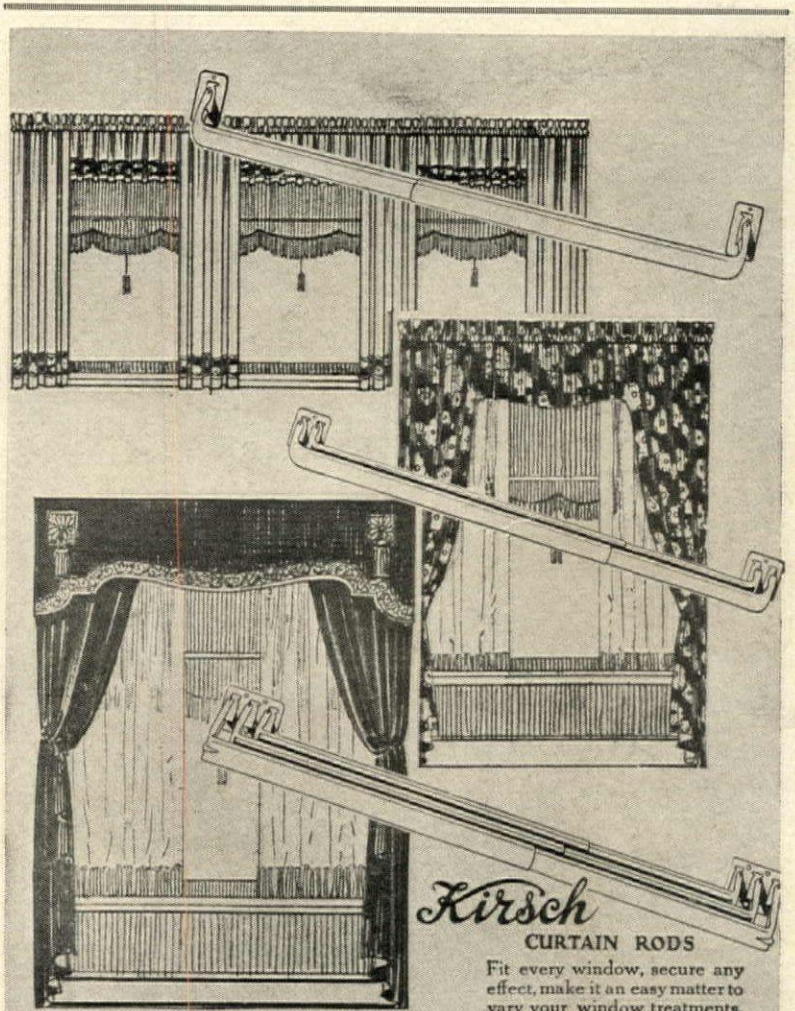
Tear off and Mail

The Duro Pump & Mfg. Co., 305 Monument Ave., Dayton, Ohio. Please send me folder on "How to Select a Water Softener"

Name

Address

City



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Fit every window, secure any effect, make it an easy matter to vary your window treatments.

Brighten up Your Homes with New Window Draperies

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Particularly at this season of the year, you find yourself longing for new things in the home. It isn't always possible to indulge in new furniture, floor coverings or wall decorations. But you can, at modest expense, have new window drapings to beautify and brighten the whole house.

Kirsch Rods provide a simple solution for every window draping problem. There's a rod or combination of rods for every draping treatment. The rods come single, double, or triple—extension style or cut-to-length—in lasting Kirsch Velvetone Brass or Velvetone White finish.

You'll be surprised how easily Kirsch Rods take care of what may seem a difficult draping treatment—for instance: an extra wide window, or series of windows, a bay window, French doors, casement windows. There's a Swinging Kirsch Rod in two sections, each part swings back for window washing or ventilation. Fine for bedrooms!

The Kirsch FLAT shape eliminates sagging, holds headings erect, insures neat hanging.

The Kirsch Bracket has no equal for simplicity, practicability and utility. Put up without defacing woodwork. The rods go on or come off brackets by just tilting. So easy, yet never come down accidentally.

Would you like assistance in planning your window draperies? Send for the Kirsch Rod and Window Draping Book or write and tell us the effect you want, or describe the window you have to drape. Our Interior Decoration Service Department will gladly help you.

Sold by better stores everywhere. Look for the trade mark name "Kirsch" on the carton.

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Kirsch Mfg. Co. of Canada, Ltd. 454 Tecumseh Street, Woodstock, Ontario

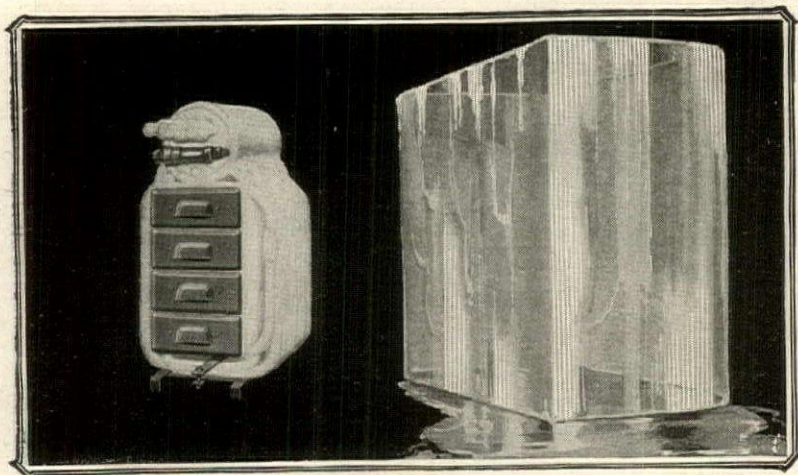


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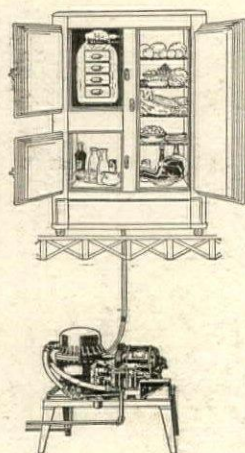
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Real, practical help in planning your window treatments for every room. The window draping pictures are accompanied by information as to materials, colors, rods, etc. Our 8th Annual Book. Very complete and authoritative. Mailed free.

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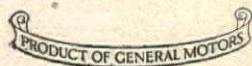


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Frigidaire mechanism can be installed in your own ice box as illustrated. Or you may buy Frigidaire complete with our specially built cabinet.

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The Frigidaire cooling coil is equivalent to a 200 pound cake of ice. It is twelve degrees colder than ice and never melts.

A 200 pound cake of ice in an ordinary ice-box supplies a temperature of about 55 degrees in the food compartments. As the ice melts the temperature rises.

Such temperatures are too high for keeping food in a fresh healthful condition.

Frigidaire keeps your food at a temperature constantly below 50 degrees—which government experts demand for healthful food preservation.

There is a Frigidaire in a style and size to exactly meet the requirements of your home. Frigidaire usually costs less than ice to operate and can be bought at an economical price and on easy terms.

See Frigidaire and take advantage of our liberal purchase plan to get your home equipped.

Ask your local dealer or write to the factory direct for our book H&G 6 on modern, sanitary refrigeration.

DELCO-LIGHT COMPANY
DAYTON, OHIO

Frigidaire

Economical & Electric Refrigeration



One of the most deservedly popular of the everlastings is the vari-colored Strawflower, *Helichrysum bracteatum*, in bright reds and yellows

FLOWERS EVERLASTING

(Continued from page 158)

desired. The flower heads are terminal, golden yellow in color with white sepals. In a moderately moist soil together with a protective winter covering this species can be kept for a second year. The seeds are sown in the open during the month of April.

Acroclinium roseum is another Australian form having rose colored flowers with a yellow center. The flowers are comparatively large. Seeds sown in the hotbed in March or April and transplanted in May produce flowers in June or July. Sown in the open in April the flowers make their appearance a little later in the season.

Spherical flowers are produced by *Gomphrena globosa*, a native of East India. These flowers are especially well liked, because the red varieties do not lose their color when dried. Red and white speckled forms are also known as well as white and flesh colored varieties. This plant requires a richer type of soil. Ground waters injure it. For well developed forms quite a little space is necessary. They are cultivated like the preceding forms but they do require a warm, well protected situation.

The most popular everlasting flower is *Helichrysum bracteatum* with all its varieties as well as *H. macranthum*, natives of Africa. Of the former, dwarfed forms have been

developed. The color ranges, according to the variety, from golden yellow, white, bronze yellow, or copper red; (*var. borussorum*), or more or less dark red (*var. atrosanguineum*). *H. macranthum* is the large flowering everlasting form. It attains a height of about 60 cm. and is bushy in habit.

All of these are especially adapted for group planting if the soil is loose, well fertilized, and thoroughly worked as well as situated in a sunny place. When cultivating them in the hotbed, flowers are formed as early as June or July; if sown in the open they make their appearance later in the summer. The plants continue to bloom far into the fall, and the flowers are beautiful in bouquets.

Far more sensitive than *Helichrysum* is *Rhodante manglesi*, an inhabitant of Australia. This flower is far more beautiful than *Acroclinium* also a native of Australia. In color they range from dark red to rose colored with a dark center (*maculata*) and white. Only under the glare of full sunlight do these flowers thrive if placed in a sandy, dry soil which must not lack a supply of humus. Then, too, the bed must be placed in a protected situation. The seeds are either sown in the hotbed or in seed-boxes. At the end of May all young seedlings are transplanted out-of-doors.



The red varieties of Globe Amaranth, *Gomphrena globosa*, do not lose their color as soon as the other kinds, and they retain their freshness for a long period



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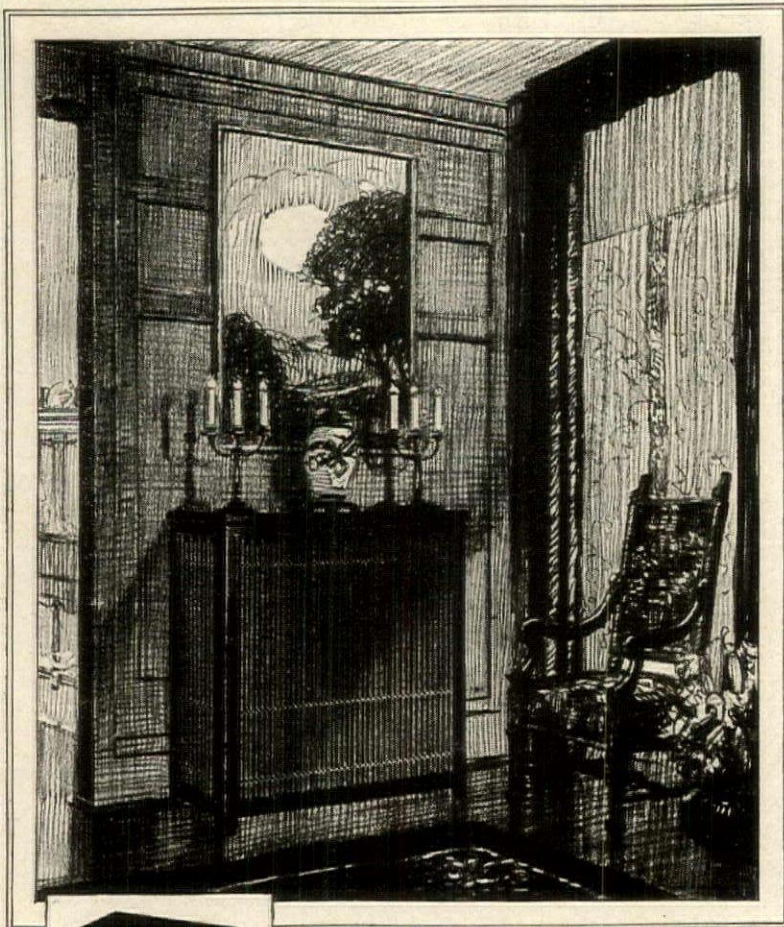
THIS sideboard is from a new antique mahogany Georgian dining suite, built in a size suitable for a large room. The Prima Vera panels in old satinwood color are hand decorated after Pergalesi by Tobey graduate artists.

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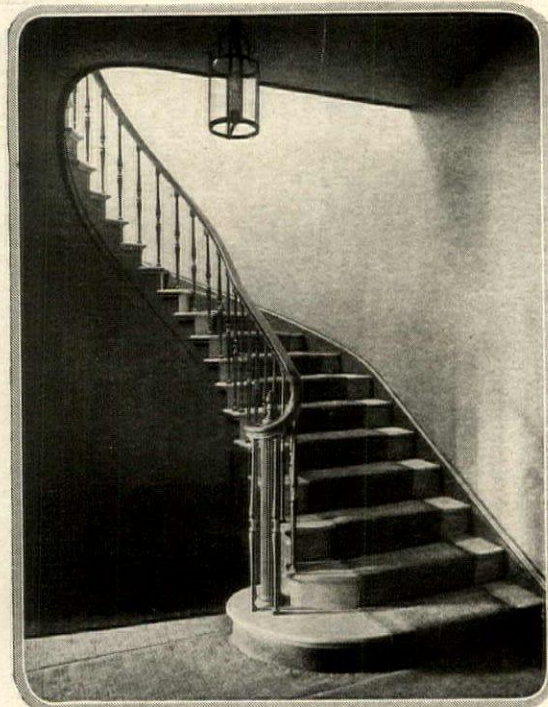
TRICO is the only radiator cover that combines the strength, quality and beauty of good furniture with the health-giving properties of a humidifier.

If you will write us we will be very glad to send you our interesting booklet, "For Better Homes and Better Health." At the same time we will put you in touch with the TRICO dealer in your vicinity.



ART METAL RADIATOR COVER CO.

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Gillies

The curving stairway is capable of more grace than any other type—than almost any other architectural feature. In the home of Norman Toerge, Locust Valley, L. I. Howard Major, architect

SOME STAIRWAY STYLES

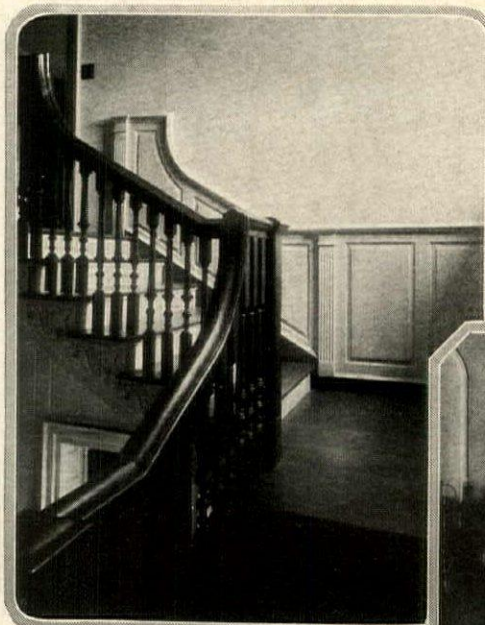
OF course, there is the grand stair-case which exists for its own effectiveness while the rest of the house, architecturally speaking, waits upon its pleasure. You can tell from one glance at such a magnificent flight that no designer had to beat his brow in the course of its planning. Rooms were arranged to suit it, and no scheme which interfered with its stately progress was allowed to proceed.

That is one kind of stairway, but it is not the kind which you come across very often in the pages of HOUSE & GARDEN. Here, more often than otherwise, houses occur whose stairways must fit rather rigidly prescribed conditions; there must first of all be a certain number of rooms within certain limits of space and expense, and the connecting flights must

meet those conditions rather than determine them.

However, that sort of planning makes interesting staircases—the kinds which have to curve and return and which therefore achieve gracefulness and appropriateness through ingenuity.

The ones shown on this page illustrate three distinct types. Above we have one of the most effective means of ascent obtainable in a small space: the curving stairway, a style susceptible to any amount of sinuous charm. The two early American examples below represent the formal methods. One, being of the South, is broad and leisurely; the other from New England, rises quickly and with directness. Both, by the way, are noteworthy for their ornamental string pieces.



In this colonial staircase at Tulip Hill, South River, Ind., the paneling follows the line and design of the rail

Tebbs



The detail at the right, from an 1818 house in Boston, is a splendid example of the use of simple spindles and curling newel

Cousins

Illustrated is section from 15th Century Rhenish Gothic long stitch needlework, considered one of the finest pieces extant. Size 2 ft. 9 in. wide by 8 ft. 4 in. long.



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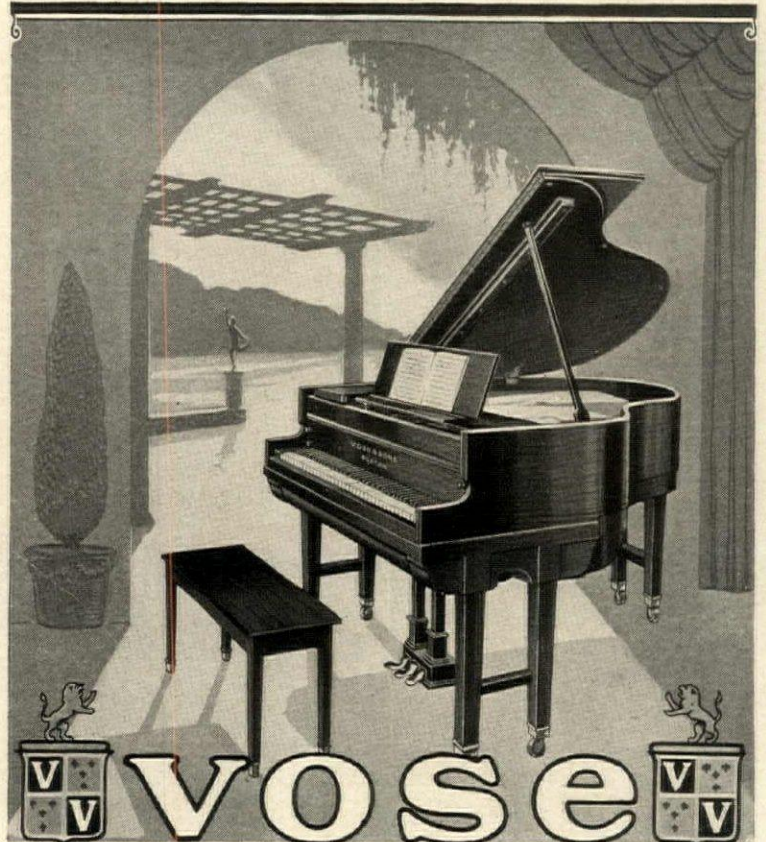
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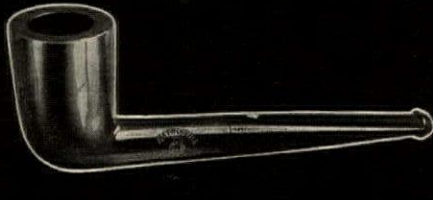
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in walnut, with duck-bill feet.
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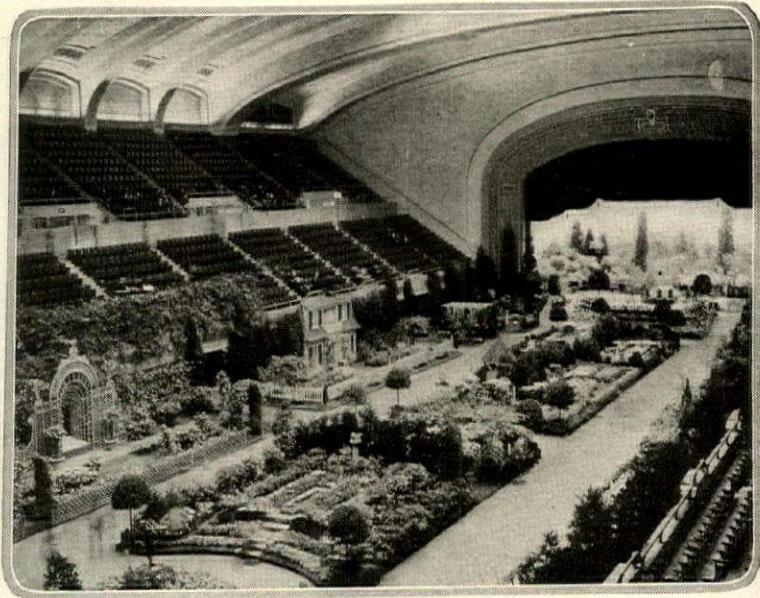
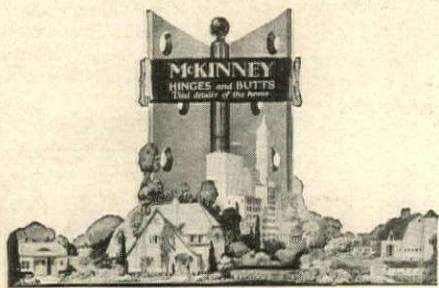
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of the Hardware Merchant

THE retail hardware merchant is a good man for you to know if you must foot the building bills. His store is a good place to visit before actual work starts. He can tell you many things to do and as many not to do concerning builders' hardware. Find the one who sells and commends

MCKINNEY
HINGES

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MCKINNEY MANUFACTURING COMPANY
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From the balconies the show was an amazing sight, not merely because of its brilliance, but because of the intelligent planning of A. D. Taylor, landscape architect, which produced the effective ensemble

THE FLOWER SHOW AT CLEVELAND

MARCH 29-APRIL 6

THE Sixth National Flower Show at Cleveland this year was the finest flower show ever held in America. Even when finer shows are held, from now on, this one will be still the most important. It will always mark the turning point. Any big flower show after this spring which neglects the lesson of the show at Cleveland will be a step backward.

The lesson was Cooperative Design. Heretofore there has been plenty of decent design, but it has been confined to individual exhibits. Good gardens and bad gardens have stood side by side, which made the good gardens seem better, of course, but made the bad gardens seem worse. The joint effect was scarcely fine. Also, when the good gardens have adjoined each other on a floor the effect of the whole has rarely been good because there has been no sense of harmony in the grouping.

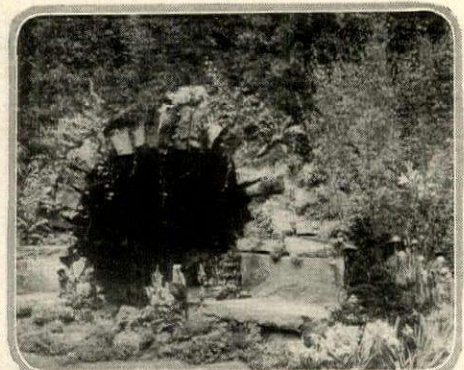
The reason for this hit-or-miss method lay with the desire for keeping one's

plans a secret until the moment of construction. (Prizes are awarded to those garden exhibits which are judged the best.) That reason, secrecy, is a perfectly sound one, but until this year at Cleveland it has been one of the factors working against the artistic success of flower shows as a whole.

The way it was solved at Cleveland was to put the physical planning of the show in the hands of a competent landscape architect. A. D. Taylor was chosen for this trying task. A plan for the floor space of the huge Public Auditorium was made which gave the layout of the areas that could be devoted to exhibits and the lines which would have to be kept open for aisles. The exhibition areas were divided into sections of proper sizes and shapes, and the sections were then chosen by, or allotted to, the various exhibitors.

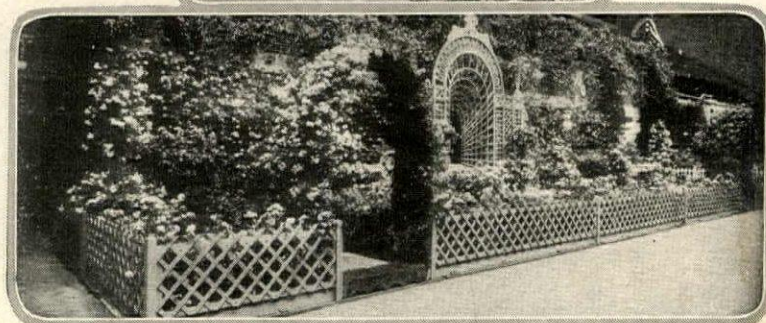
It was the privilege of each exhibitor then either to design his own space or

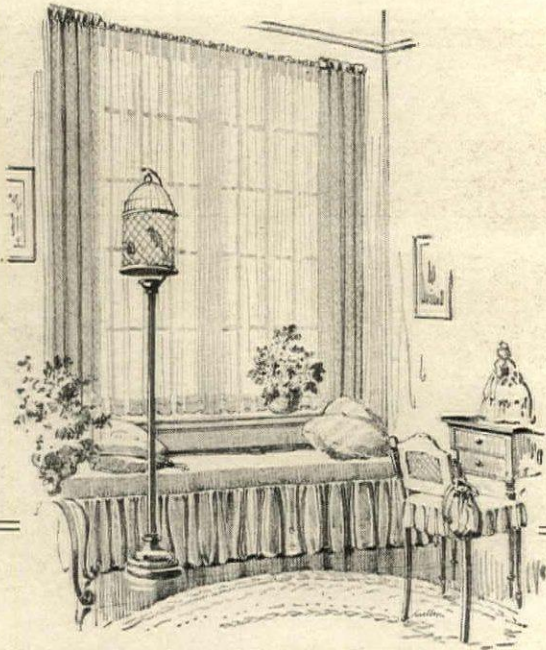
(Continued on page 170)



This masonry arched grotto was the central feature in the Wayside Gardens exhibit shown on page 172

This splendidly designed rose garden of C. Merkel & Sons was one of the best garden exhibits





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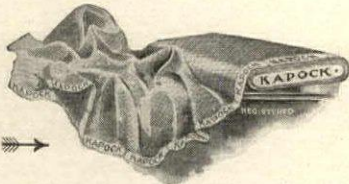
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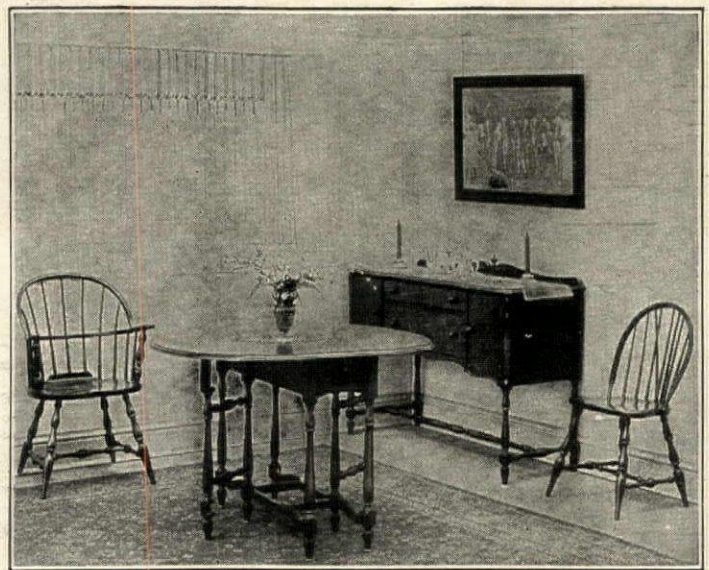
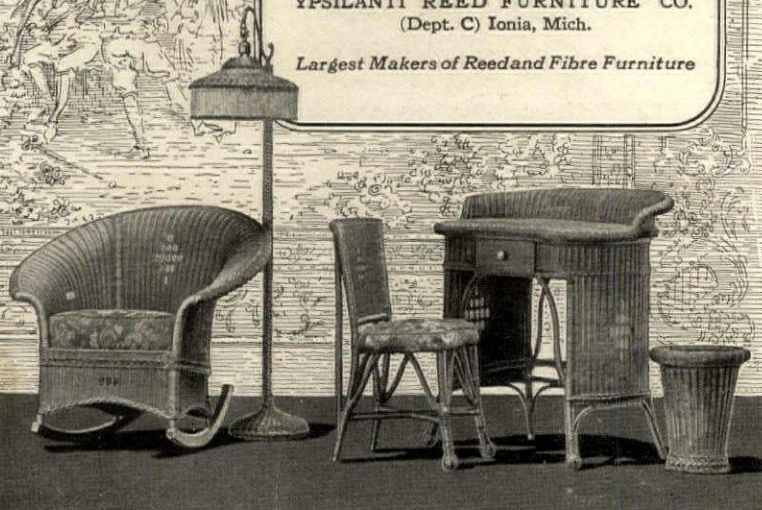
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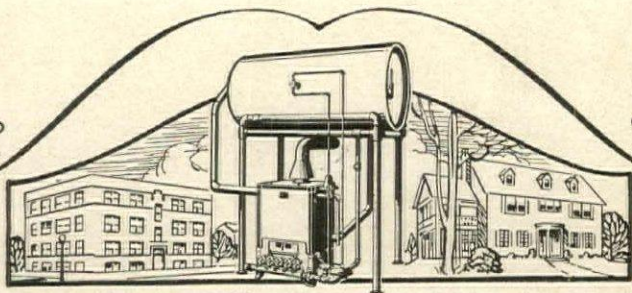


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
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
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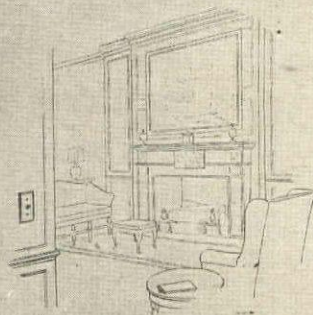
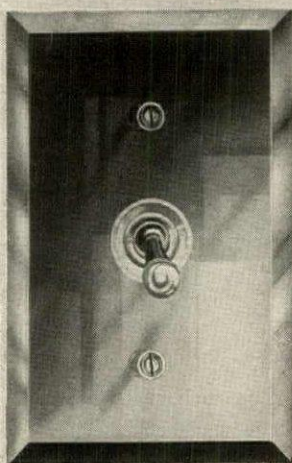
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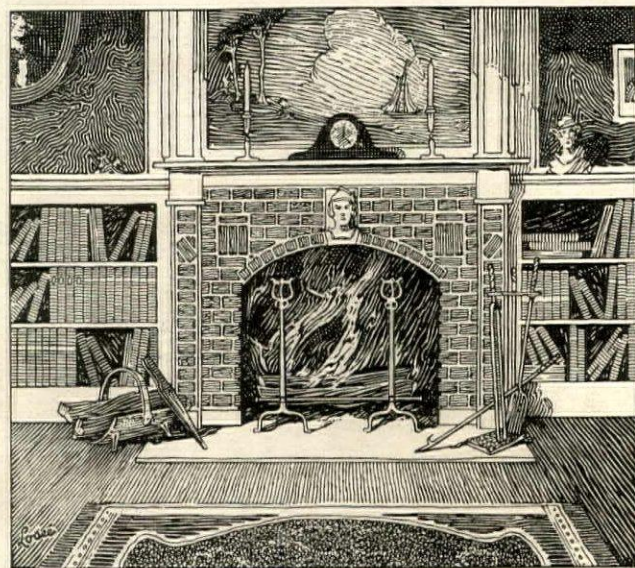


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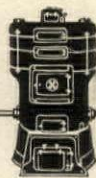
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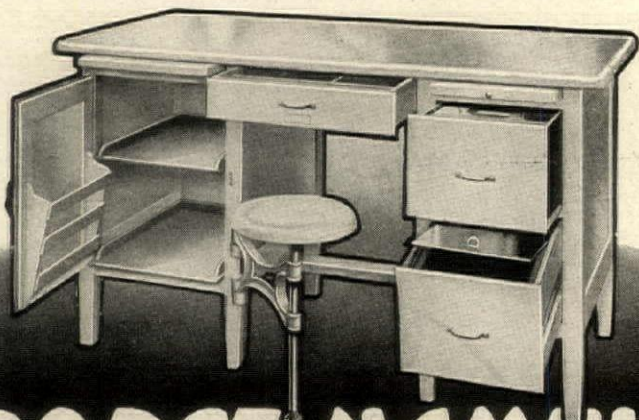
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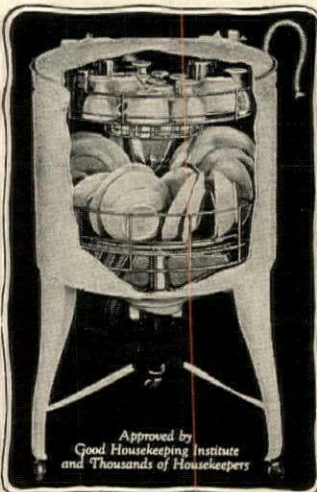
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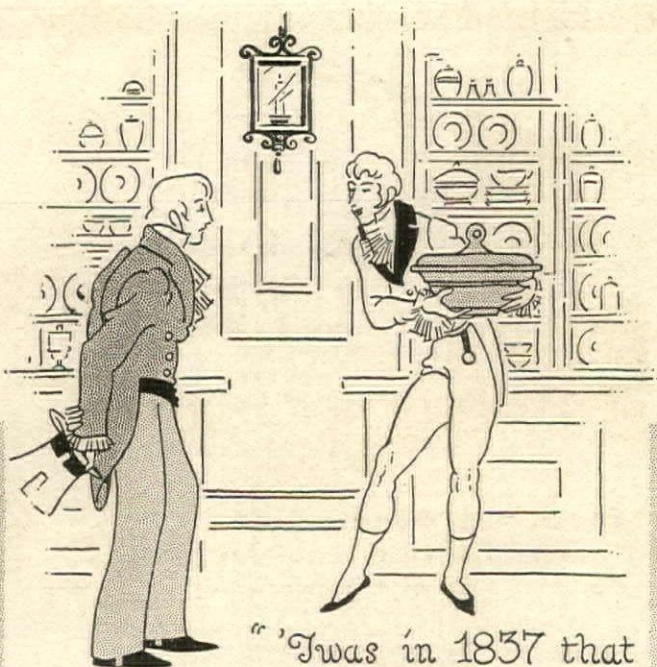
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First to introduce English China to America. And the world today has no comparable collection. Exquisite examples of the exalted art of Minton, Copeland, Royal Worcester, Royal Doulton, George Jones.

But great stocks and great quality do not mean "great" prices.

Main Gallery—Entirely devoted to Art Objects, Novelties, Gifts for Weddings, Graduation; Favors, etc.

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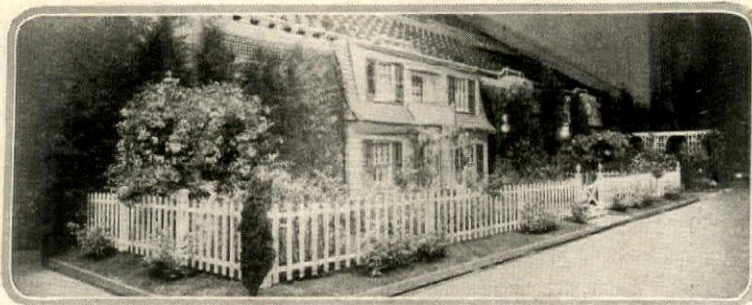
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at the lowest possible price."

DAVIS COLLAMORE & Co

"MORE THAN A STORE ~ AN EXPOSITION"

Fifth Avenue at 48th St.
NEW YORK

Established 1837
A NATIONAL INSTITUTION



The façade of a small Dutch colonial house gave the architectural flavor to this dooryard garden, the exhibit of Daisy Hill Farm, whose planting and arrangement were handled with extraordinary fidelity to an actual scheme

THE FLOWER SHOW AT CLEVELAND

(Continued from page 166)

have it designed for him by the landscape architect. If it were done in the former way it was necessary to have the design passed upon by the landscape architect. Thus it was possible for each garden exhibit to retain its individuality yet become an integral part of one great harmonious scheme. The purely floral exhibits, and the equipment exhibits, were, or might have been, handled in the same way.

The Public Auditorium, with its immense unbroken floor space offered an ideal exhibition site. From the general view on page 166 it will be seen how well the show was planned to fit the hall. The line of exhibits against the balconies on either side were of necessity quite narrow—hardly more than 17 feet deep—having been made so in order that the main lengthwise aisles might run directly from the entrance doorways. This narrowness, however, was scarcely noticeable, so cleverly was it concealed by careful planning.

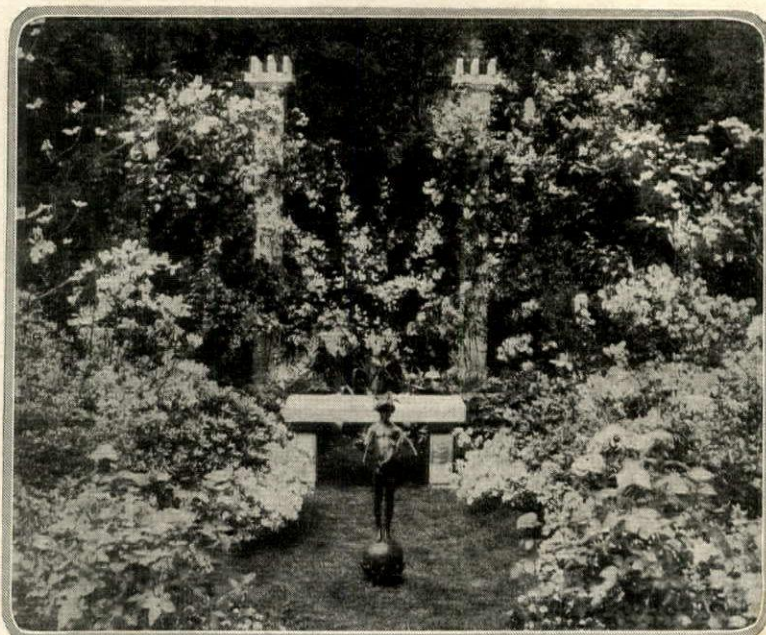
In the large central sections the controlling hand of the landscape architect was able to limit the height of the tree and shrub masses, thus keeping this part of the pattern comparatively low in its general effect. The sides and back of the large stage at the end of the hall were a gorgeous yellow mass of Acacias from the Thomas Roland collection. There was a line of smaller exhibits under the bal-

conies on the same floor level, and on the floor level below were shown garden accessories and equipment, and the Garden Club of America garden models which graced the New York Show a few weeks earlier.

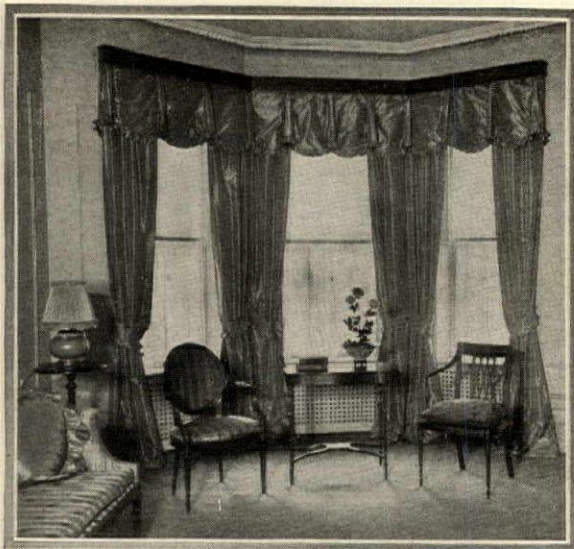
An interesting fact of the garden exhibits in the Cleveland show was the attention many of the exhibitors gave to informal design. There were probably as many gardens of this type as of the formal, which is rather unusual, considering the natural tendency to do a formal design in a small space amid such four-square surroundings. These informal, naturalistic gardens were done, in almost every instance, with great skill; nature was not imitated but simply used to good advantage. One of the best garden exhibits in the show, that of the Wayside Gardens, of Mentor, Ohio, was of this character. It occupied a long, narrow space, and was separated from the aisle by a low dry masonry retaining wall of the local ledge-stone. The same stone was used to create a higher and more rugged wall in the background, in the center of which was made an arched grotto that covered a pool. The planting was kept splendidly in character.

The John Scheeper's garden, which won the first prize at the New York Show, was given the same award at Cleveland. It was one of a half-dozen formally

(Continued on page 172)



Lilacs, Azaleas, Dogwoods and many other flowering shrubs were massed about this garden of Carl Hagenburger to produce a luxuriant setting for its minor architecture and the figure



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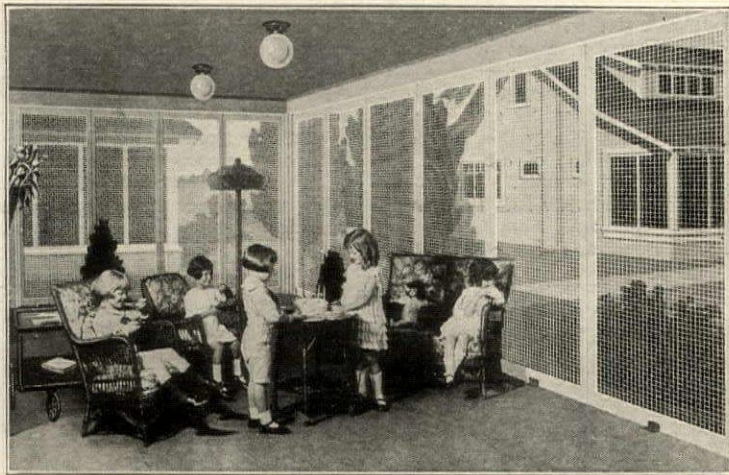
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This feature does not hold with painted cloth. PEARL requires no painting. It insures against repairs, continued painting and the petty annoyances that less durable wire cloth gives.

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THERE have been dining-rooms—you remember them—where the silverplated ware rested unused on buffet or closet shelf. But these homes missed the purpose of silverware and the pleasure and satisfaction of using it every day.

International Silverplate is more than a decoration—it is meant to be used. It is designed to take a sturdy, democratic share in family life and to make that life more pleasant. Use the silverplated meat platter each night at dinner. Serve the vegetables every day in the convenient two-compartment vegetable dishes. Let the vases, candlesticks and tea things add their gracefulness as the usual thing.

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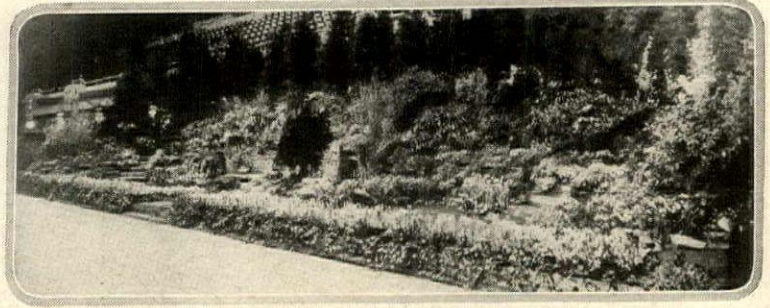
Information that will assure the right selection, the proper use for all occasions, and the way to care for silverware in the home will be sent on request. Address Department HW-3, International Silver Company, Meriden, Conn.



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INTERNATIONAL SILVER CO.



The exhibit of the Wayside Gardens, of Mentor, Ohio, won the A. S. L. A.'s Second Prize and was one of the most interesting and beautiful gardens in the show

THE FLOWER SHOW AT CLEVELAND

(Continued from page 170)

planned garden exhibits which would be considered splendid examples of garden design indoors or out, real or make believe.

A noteworthy detail in the planting schemes of the various individual garden exhibits was the fact that in almost every instance plants were shown in bloom which would naturally be blooming simultaneously. Practically every flower had been forced, of course, yet there were noticed but few combinations which wouldn't be found blossoming together in an actual garden. Thus a great deal of misleading information was avoided, and the innocent amateur was not tempted to put ideas into practice which would only mean disappointment.

Heretofore the special stress in flower shows has been laid upon showing flowers, and while this will always be the *raison d'être* of flower shows, it is not enough. Nor is it enough that purely exhibitional gardens should be put together which could never be reproduced in any way in practical reality. Unless the display is an altogether floral one it should be given an authentic setting. People who visit flower shows go because the sight of flowers gives them a thrill—one of the most elemental of human thrills; but a great many, and a rapidly growing proportion, go because they are interested in making gardens—one of the most elemental of human pursuits.

The Florist's Review lists the garden awards as follows:

"The appropriation of \$5,000 to cover

the exhibits of 1,000 square feet laid out as gardens was divided among Knoble Bros., Cleveland; John Scheepers, Inc., New York; Daisy Hill Farm, Chagrin Falls, O.; C. Merkel & Sons, Mentor, O. and the Wayside Garden Co., Mentor, O. All five of the gardens were considered worthy of the additional award of a gold medal.

"The gold medal of the Garden Club of America and the special cash prize of \$350 were awarded for the garden of John Scheepers, Inc., the second prize of \$225 going to Knoble Bros. Co. This was judged by a committee composed of three members of the S.A.F., consisting of W. L. Rock, Edward Sceery, and F. R. Pierson; three members of the American Society of Landscape Architects—Ferruccio Vitale, Aubrey Tialdi and J. Hugh Smith, and three members of the Garden Club of America—Mrs. Harold I. Pratt, Mrs. Robert Mallory and Mrs. William Andrew Lockwood.

"The prizes for a bulb garden covering 500 square feet were distributed among the displays of The Friedley Co., Cleveland, first prize; Witthuhn's Flower Shop, Cleveland, second prize; Charles G. Reep, North Olmstead, O., third prize.

"For the display of plants arranged as a rose garden, C. Merkel & Sons Co. received the first prize of \$1,000 on the exhibit which was staged in the trade display hall on the lower floor.

"In the class calling for a display of rose plants arranged for effect as a rose border,

(Continued on page 174)



On the principal cross axis of the Show space the treatment afforded an opportunity for a circular garden of Chatillon roses about a bronze figure, the exhibit of Henry A. Dreer

GARDEN ORNAMENTS

- BENCHES
- BIRD BATHS
- JARDINIERS

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RAISE the basement out of the darkness by providing windows of generous size. Your architect knows how to do it, adding to property value and architectural beauty. Insist on an abundance of good glazing.

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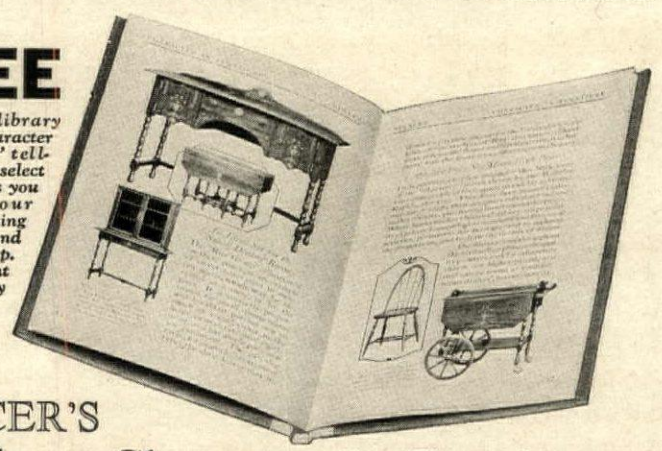


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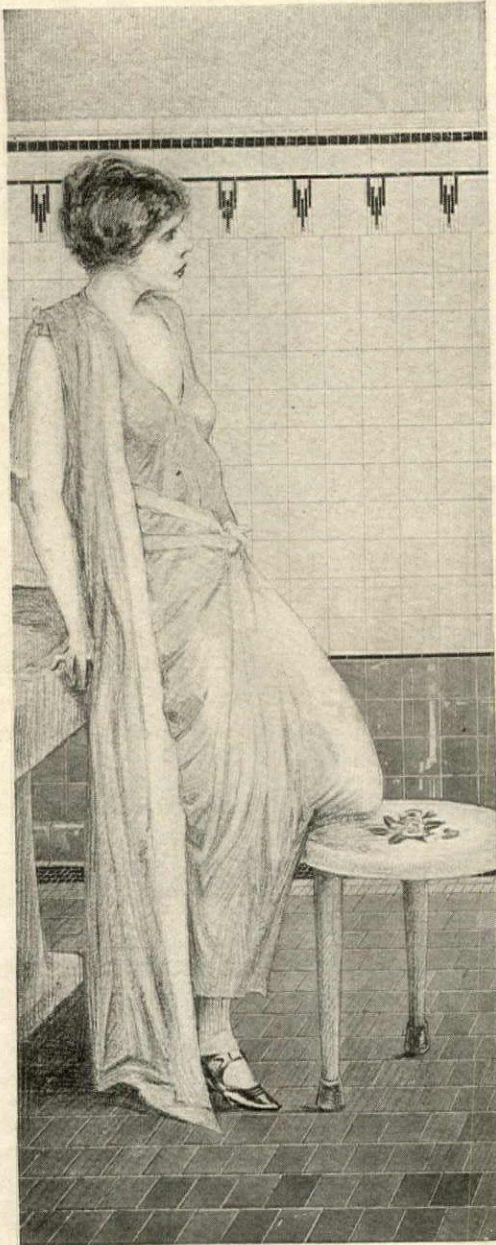
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Arthur Raymond Spencer's new book portrays "The Historical Intimacy of the Spinet Desk," "The Charm of the Gate Leg Table," "The Decorative Possibilities of the Escritoire" and a wealth of other interesting information. Illustrated with photographs by courtesy Wilhelm Furniture Co.

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Time and wear cannot change Tiles. Their charm continues with age. Their advantages as a decorative material are unequalled. Such Tiles are especially produced by the Associated Tile Manufacturers with beauty and utility always in view.

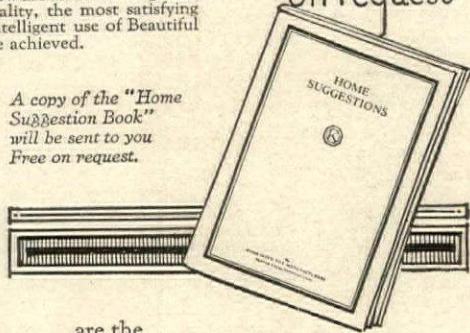
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315 7th Avenue

Beaver Falls, Pennsylvania

THE FLOWER SHOW AT CLEVELAND

(Continued from page 172)

covering 100 square feet, the first prize of \$150 and a gold medal went to Daisy Hill Farm and the second prize of \$100 went to Carl Hagenburger.

And after all, while Horticulture is the real thing of flower shows, it is only just that its necessary complement, Garden Design, should be coming into its own.

Not merely in the small way that has been the rapidly improving rule of flower shows for the past few years, but in the larger sense that it achieved for the first time at Cleveland, where it brought all the parts together and made harmony where a not unpleasant chaos had existed before.

ON HOUSE & GARDEN'S BOOK SHELF

(Continued from page 156)

COLOUR SCHEMES FOR THE FLOWER GARDEN. By Gertrude Jekyll. Country Life, London and Charles Scribner's Sons, New York.

That an author so experienced in the subject and so careful can put forth unrevised and unchanged this fifth edition, "necessitated by continuous demand," is proof enough of the book's worth. She casually mentions her strain of Bunch Primroses developed by a system of seed selection carried on for more than thirty years. There is consolation for all gardeners who are dissatisfied with their efforts toward having a beautiful garden in the fact that it has taken Miss Jekyll "half a life time merely to find out what is best worth doing and a good slice out of another half to puzzle out the ways of doing it."

The object of the book is "to bring to bear upon the subject some consideration of common sense with sincerity of purpose, sense of beauty and artistic knowledge that can make plain ground and growing things into a year-long succession of living pictures." The devising of these pictures she thinks the "best thing to do in gardening". As to maintaining in a border a good color scheme she believes that the only way is to devote certain borders to certain times of the year, each border to be bright for one to three months. There can be a too extreme striving for color; a blue garden may be hungering for a group of white lilies, or for something of palest lemon-yellow, but it is not allowed to have it because it is called the Blue Garden; but the real business of the blue garden is to be beautiful first and then just as blue as may be consistent with its best possible beauty;—the juxtaposition of a rightly placed complementary color will make the blues more telling.

The nicest juxtaposition of complementary and harmonizing colors of flowers, along with appropriateness of form and habit of plants, is the book's keynote. Studies, most of them actually tried out, have been made for the various seasons and for borders of different types of flowering plants, including those of the woodland. The grouping of plants in pots is touched upon and the fruit garden planned for beauty likewise. Some of the combinations are of course not practical for climates different from that of the southern and central parts of England. The maintenance of some of the schemes requires close attention and would be costly, even on a smaller scale than that to which Miss Jekyll has been accustomed: she regards ten acres as but a small area for a bit of woodland and labels as a Plan for a Small Garden of China Asters one that calls for a space of fifty feet by

ninety. The pictures and plans have been made well and reproduced successfully; but it might seem that in view of the title more than the one of all the one hundred twenty-three ought to be in colors and that the price asked for the book would warrant that.

F. B. M.

NATURE IN AMERICAN LITERATURE. By Norman Foerster. The Macmillan Company.

This collection and elaboration of essays that had at least in large part circulated for possible criticism in a number of leading magazines makes a book of no small value to the student of literature and the student of nature. The author reveals himself upon every page as gifted with the faculty of keen criticism and appreciation of artistic powers, well schooled by the use of much that is best in the writings of ancient and modern poets and philosophers; he shows unusual discernment in the various fields of nature study also, particularly in all that relates to birds. Upon page 277 he states: "In recent years an unceasing effort has been made by ornithologists to describe the songs of birds with something like scientific precision; so to describe the bird itself is easy, but the song is baffling. Since few birds sing in accordance with the intervals of the diatonic scale, and few sing without using notes quite indeterminate in pitch, since, in short, birds do not use an exact musical instrument like the piano, the form of description recently in favor—the musical staff—has led to a small amount of success and a great deal of distortion and absurdity. Burroughs wisely resorted to a more fruitful means, a combination of literal transcript and interpretive description, in the manner of Thoreau."

In judging the works of American writers of prose and verse he discreetly takes into account traits inherited and personal characteristics. Thus he understands a composite so strange as that of Whitman, with whom he is sympathetic, although he by no means palliates his moral shortcomings. With Muir he ascends into sublimities of nature that are truly grand and which he expresses in language that is quite fitting. He describes the heart of Sidney Lanier, who, besides contributing uniquely the scenery of the south to American literature, "reveals a musician's feeling for nature." The entire book is most wholesome, a tonic to the student of literature and to the student of life. The style of the English in it is faultless and the mechanical features of the work are in correspondence with its style.

F. B. M.





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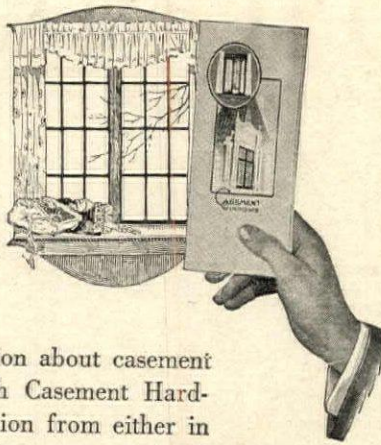
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So the makers of Listerine, the safe antiseptic, have found for you also the really safe dentifrice.


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Seats 9. Removal of Rear
Seat affords ample luggage
space. Seats fold into double
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Every owner of a Country
Home should get full information

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Statement of the Ownership, Management, etc., required by the Act of Congress of August 24, 1912, of House & Garden, published monthly at New York, N. Y., for April 1, 1924. State of New York, County of New York, ss.: Before me, a Notary Public in and for the State and county aforesaid, personally appeared Condé Nast who having been duly sworn according to law deposes and says that he is the Publisher of House & Garden, and that the following is, to the best of his knowledge and belief, a true statement of the ownership, management, etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 445, Postal Law and Regulations to wit: 1. That the names and addresses of the publisher, editor, managing editor, and business managers are: Publisher, Condé Nast, 19 West 44th St., New York, N. Y.; Editor, Richardson Wright, 19 West 44th St., New York, N. Y.; Managing Editor, non-Business Manager and General Manager, F. L. Wurzburg, 19 West 44th St., New York, N. Y. 2. That the owners are: Owner: The Condé Nast Publications, Inc., 19 West 44th St., New York, N. Y. Stockholders: Condé Nast, 470 Park Ave., New York, N. Y.; M. DeWitt, 375 Riverside Drive, New York, N. Y.; M. DeWitt, Trustee for Clarissa C. Nast, Couderc Nast, Natiea Nast, Esther A. Nast, 375 Riverside Drive, New York, N. Y.; E. H. Stimson, 109 East 71st St., New York, N. Y.; F. L. Wurzburg, Bronxville, N. Y.; E. W. Newton, 31 W. 10th St., New York, N. Y.; D. C. McMurtrie, Greenwich, Conn. F. F. Soule, Chicago, Ill. 3. That the known bondholders owning or holding 1 per cent. more of total amount of bonds, mortgages or other securities are: American Bond & Mortgage Co. 345 Madison Ave., New York, N. Y. 4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders if any, contain not only the list of stockholders, and security holders as they appear upon the books of the company but also in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing a full and complete disclosure of all the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, bondholders and security holders in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association or corporation has any interest direct or indirect in the said stock, bonds or other securities than as so stated by him, Condé Nast, Publisher. Sworn to and subscribed before me this 20th day of March, 1924.

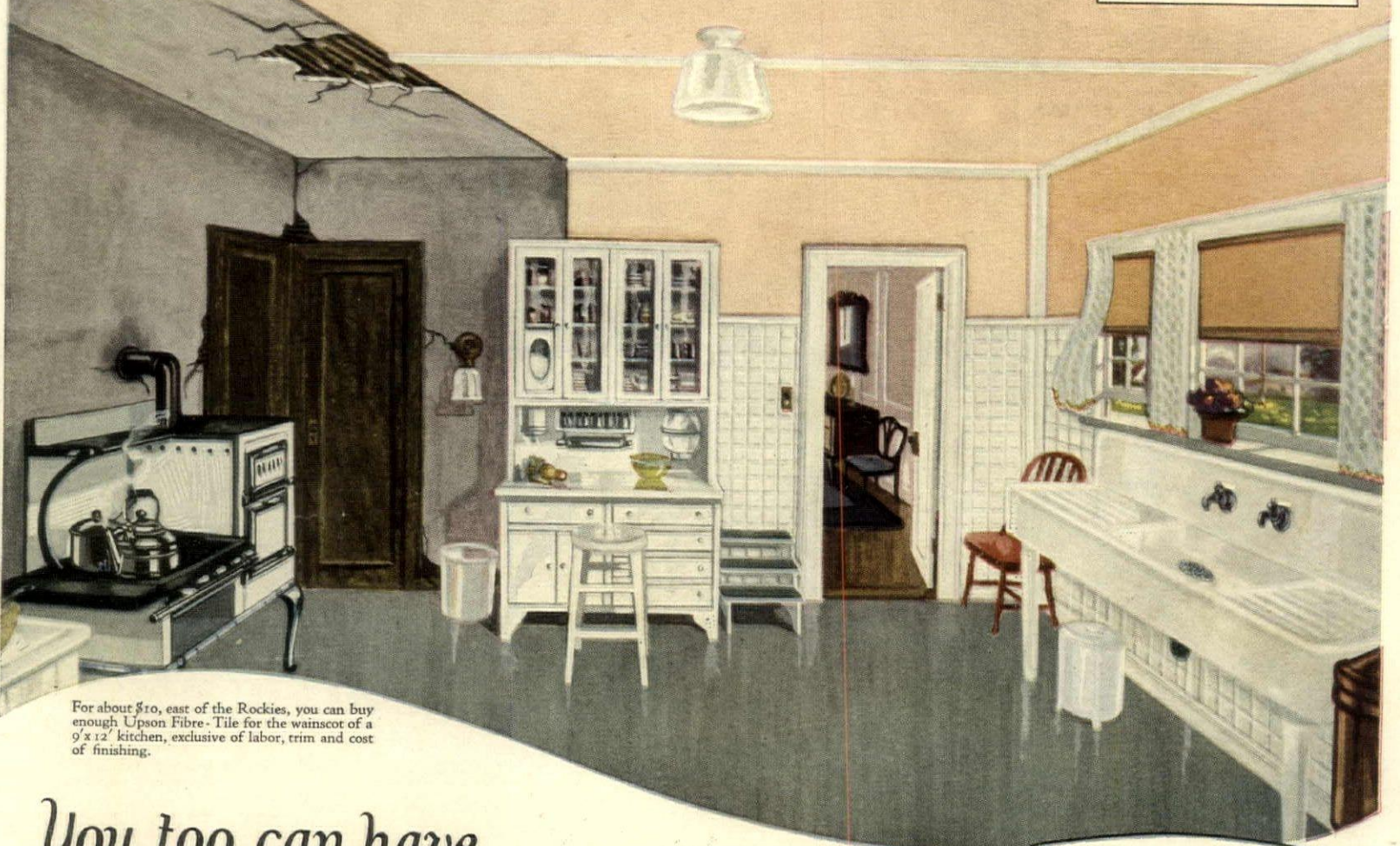
(Seal) A. Schilling, Notary Public, New York Co. Clerk's No. 1017. New York Co. Register No. 5803. Bronx Co. Clerk's No. 173. Bro. Co. Register's No. 488, Commission expires March 30, 1925.

Before Upsonizing

Many women put up with the depressing atmosphere of a dismal, gloomy kitchen—simply because they fear that remodeling would be too expensive.

After Upsonizing

Upson Fibre-Tile and Upson Board quickly build a cheerful, cleanable interior like that shown below—and at about 1/10th the cost of ceramic tile.



For about \$10, east of the Rockies, you can buy enough Upson Fibre-Tile for the wainscot of a 9' x 12' kitchen, exclusive of labor, trim and cost of finishing.

You, too, can have bright and cheerful kitchen walls

NEARLY every woman longs for a kitchen with inviting walls that can always be kept spic-and-span.

For every one has an ideal bathroom or kitchen in mind. But many have denied themselves the delight of modern walls in these rooms because they thought remodeling too expensive.

You needn't delay another day! Upson Fibre-Tile makes it possible for every home to have tile-like walls in kitchen, bathroom, or laundry—attractive, washable, and as good-looking as ceramic tile—at about 1/10th the cost.

The dependability of Upson Fibre-Tile has been proved beyond question by its successful use in many thousands of homes, stores, and factories. It

is simply refined lumber that comes in big, stiff panels which any good carpenter can apply with little muss, dirt or delay.

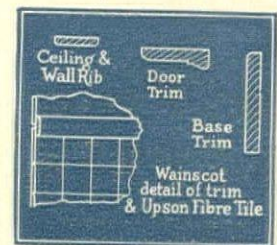
When properly applied, Upson Fibre-Tile, like Upson Board, lies flat on the wall. It successfully withstands the extreme conditions of bathroom or kitchen.

Being securely nailed, it cannot work loose like tile-finished substitutes that are merely stuck to the walls. Applied with patented Upson Self-Clinching Fasteners, Upson Fibre-Tile is the one tile-board that eliminates ugly, disfiguring nail-marks.

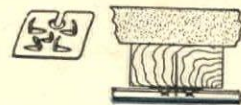
The Upson dealer who sells Upson Board can be depended upon to give you the best building materials at honest prices. His choice of Upson products proves that he puts quality first.

DETAIL OF TRIM

Show this to your Architect or Builder



PATENTED UPSON FASTENERS
ELIMINATE NAIL-MARKS



The detail sketch above shows how the prongs of the Upson Fastener anchor the board from the back—thus eliminating all nail-marks from the exposed surface.



Send six cents today for portfolio of Upsonized Interiors and new booklet, "The Snow-White Lining," showing many beautiful installations of Upson Fibre-Tile.

THE UPSON COMPANY

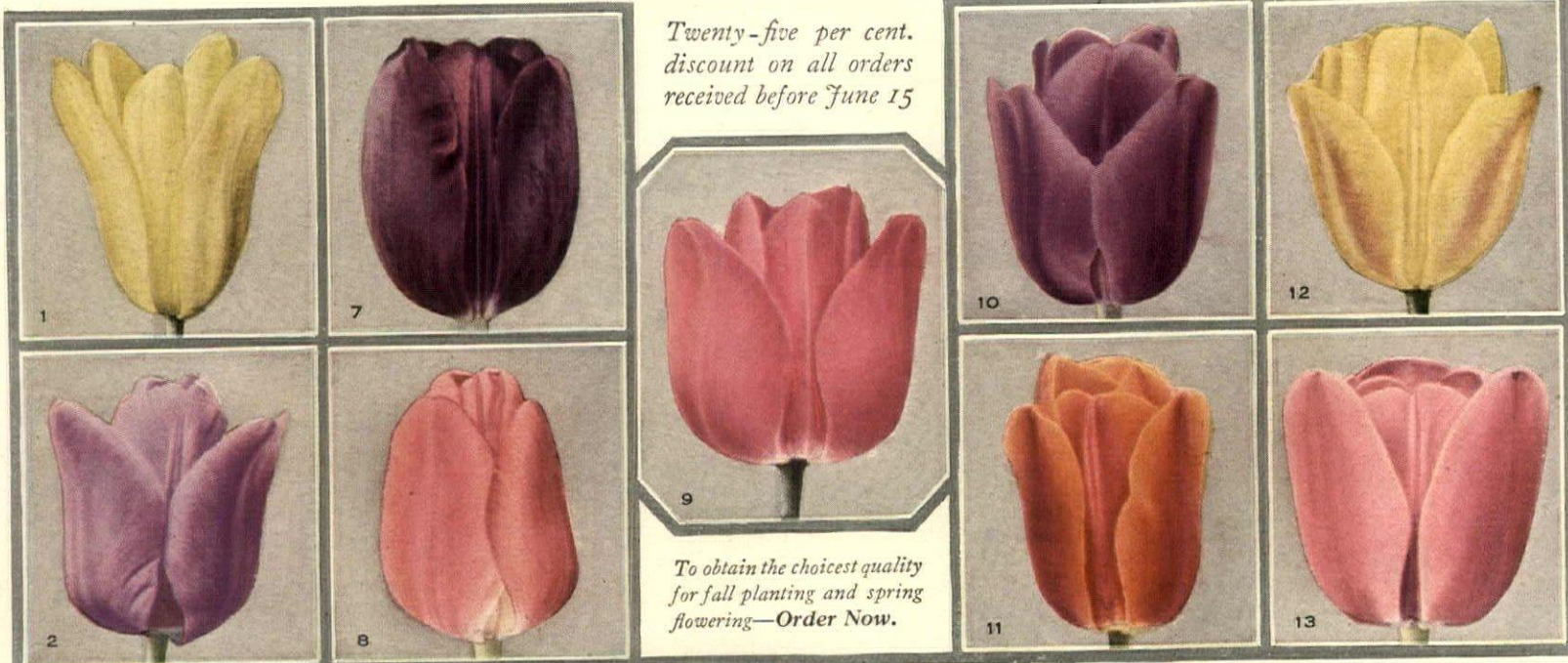
Fibre Board Authorities

518 Upson Point, Lockport, New York

UPSON BOARD

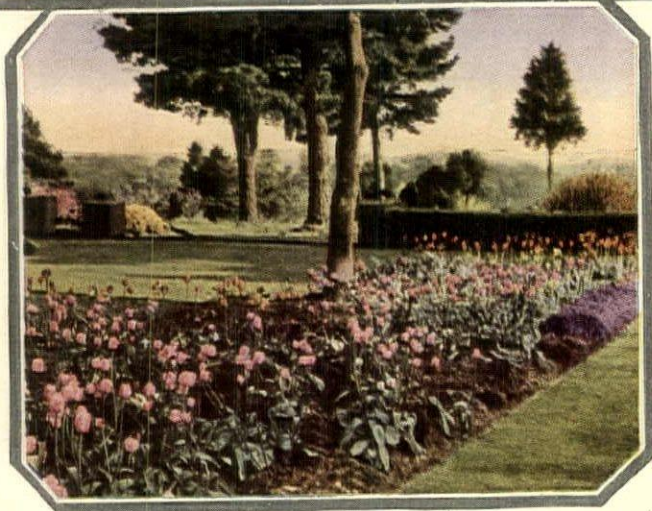
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Whenever you see or hear of color used as an identification for wallboard, think of dependable Upson Board with its famous Blue-Center. In Upson Board was first conceived the idea of color with wallboard as a trademark.



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OUR reputation for supplying bulbs of the highest quality has been built during a quarter century of service to the finer American estates and gardens.

To encourage an appreciation of these superior bulbs in the finer varieties among a wider circle of garden lovers, we have made a reservation in Holland of a supply of the tulips illustrated, for delivery and planting this fall.

Order at once, as supply is limited. It is not necessary to send money now. You will receive a bill for payment when bulbs are delivered. Prices quoted are for five bulbs of a variety.

1—Ellen Willmott	\$.50	10—The Bishop	\$2.50
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7—Bacchus	1.75	16—Fairy50
8—Clara Butt50	17—La Tulipe Noire50
9—Aphrodite	2.00		\$21.05

If ordered before June 15th, you will benefit by discount of 25%. Thus this collection of 5 each of these 17 superb varieties, (85 bulbs) individually labeled, with full planting directions, will cost \$15.79.

Catalogues on request. Please mention specific interest

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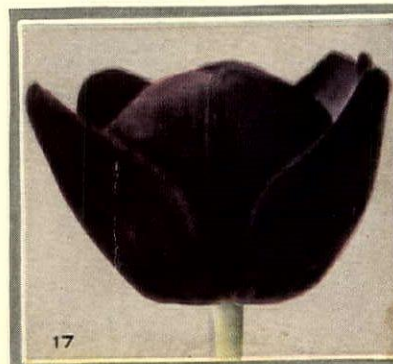
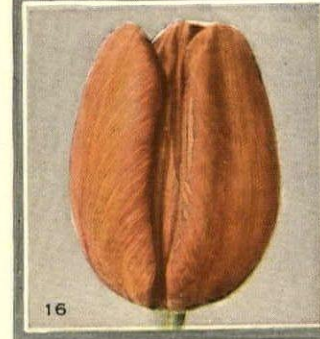
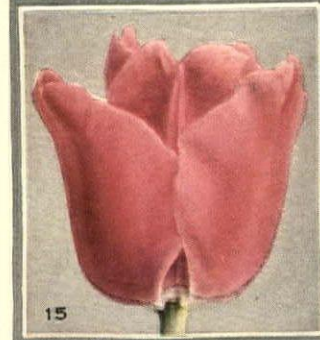
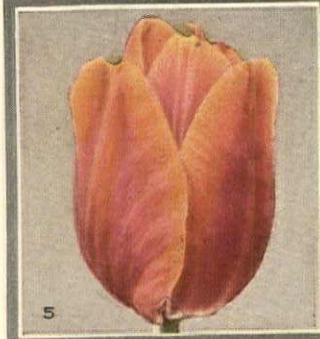
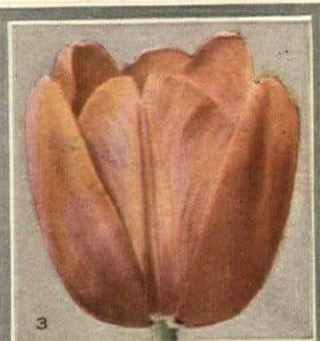
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Especially appropriate for women who want a stationery of strength and distinction. It is cut in sizes correctly proportioned for social, professional, and semi-business use.

A usable packet of Specimen Sheets and Envelopes will be sent you on receipt of 10c
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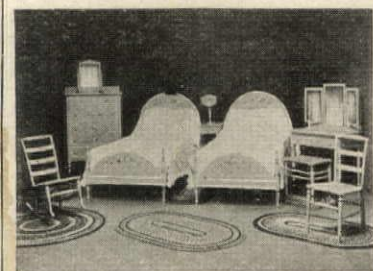
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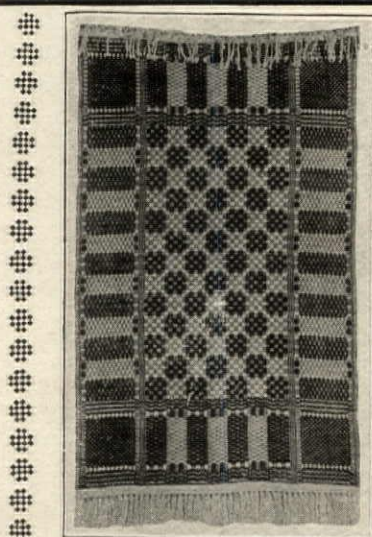
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"Dog Tracks" is the quaint colonial name for this rug—one of the many old historic colonial patterns used in our handsome hand-woven

Shuttle-Craft Colonial Pattern Rugs

Ideal for bedrooms, hallways, doorways and thresholds. Size 36"x 60" as shown here—priced to sell at \$10.

Individuality at a really reasonable figure

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In buying from us you have the advantage of Exceptional Quality in Creations of most Distinctive Charm, also our Personal Service in aiding you to secure just the Design and Coloring that appeal to your individual taste. Luxurious Comfort is reflected in the unusual Model here shown. This Design may also be had in a complete Suite.

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Specialists in Sun-Parlor Furnishings

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Catalogue B "Suggestions in Reed Furniture" sent for 25c.

Imported Decorative Fabrics



WHEREVER homes are especially thoughtfully and artistically furnished, there will you find COLONIAL Clocks—standing in stately friendliness.

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There is a COLONIAL Clock for every good home whether it be an elaborate house, bungalow or snug apartment. Prices are, without exception, agreeably moderate.

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It illustrates and describes "Colonial" Clocks in typical home surroundings. Free on request.

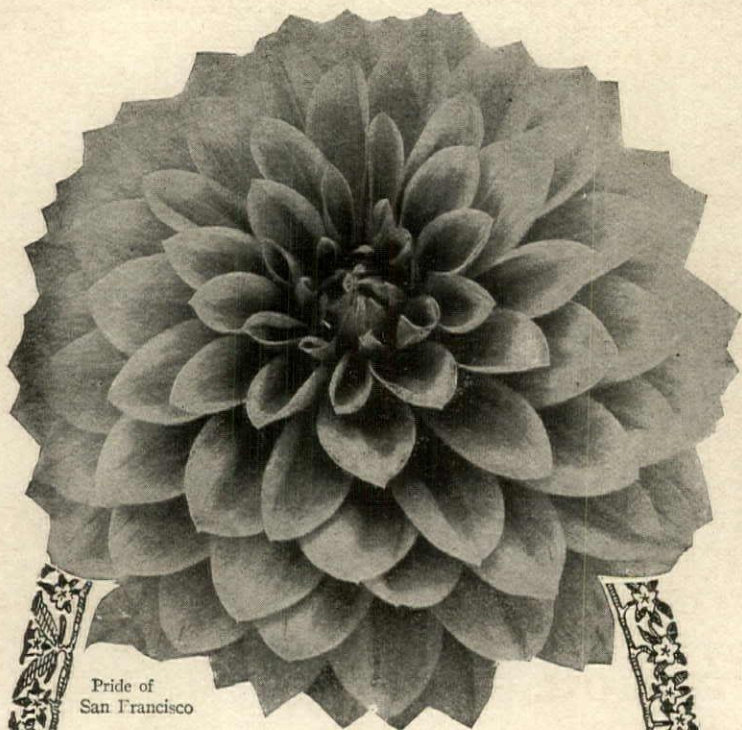
COLONIAL MFG. CO.

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Colonial Clocks are sold in the better furniture stores the country over

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Pride of San Francisco

Dreer's Dahlias

Taking stock of the trend of the times, we have gradually acquired a most complete collection of the choicer Dahlias. Every one of the over 250 varieties offered in Dreer's Garden Book has been critically tested and proved worthy of all we say in its favor. Dahlia connoisseurs will be interested in the sensational Novelty for 1924.

Pride of San Francisco A Beautiful Bedding Decorative

Visitors to our trial grounds last fall invariably became extremely enthusiastic about this superb creation. One single plant, with its dozen or more magnificent flowers open at one time, constitutes a rare sight. The color is a composition of soft salmon pink, suffused with soft rose, the total effect being a delightful golden salmon pink, as brilliant in the sun as under artificial light.

The plant forms a sturdy, upright bush of compact habit, about four feet tall, requiring no staking. The flowers are borne on stiff stems of good length and without disbudding will average 6 to 7 inches in diameter. Further description and full color illustration of this outstanding novelty will be found on page 144 of the Dreer Garden Book.

We offer strong, vigorous pot plants of Pride of San Francisco at \$2.50 each. Delivery about May 15th.

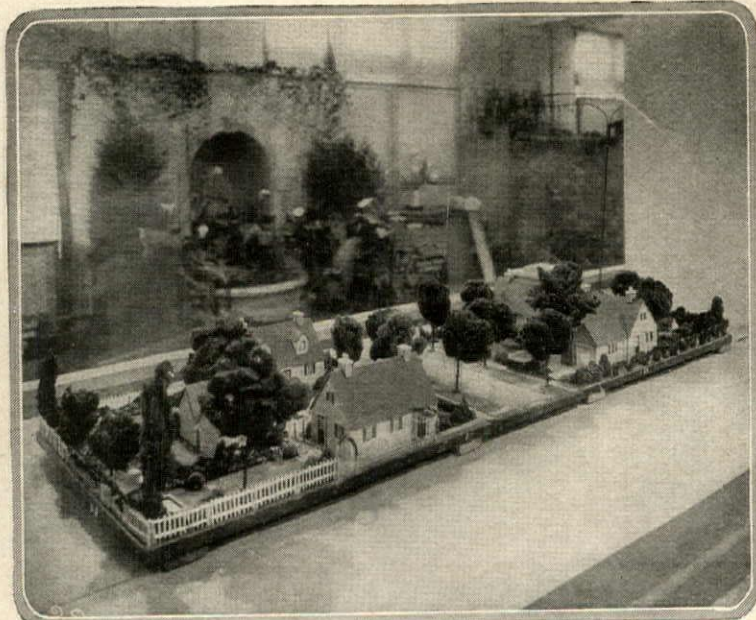
We suggest early orders, however, for the present supply is limited.

Dreer's Garden Book

abounds with special offers of the choicest Dahlias, the most superb Gladioli, the aristocrats among Roses, Old-fashioned hardy plants and plants for the Home. Eighty-six years of faithful service in supplying materials for the making of greater gardens has won us an enviable following among the country's most exacting home gardeners. We solicit the privilege of serving you as well. Please write for catalog and mention this publication.

HENRY A. DREER

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Edwin Levick

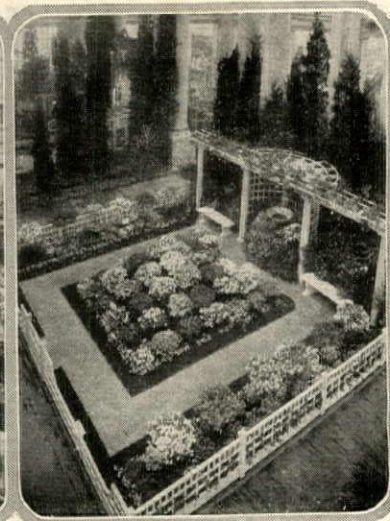
The exhibit of the Iowa State College presented in graphic form an ideal small town residential development, complete to the last detail of landscaping

AT THE NEW YORK FLOWER SHOW



Levick

One of Bobbink & Atkins' demonstrations was of rock garden planting to which an unusual note of interest was added by a water-wheel



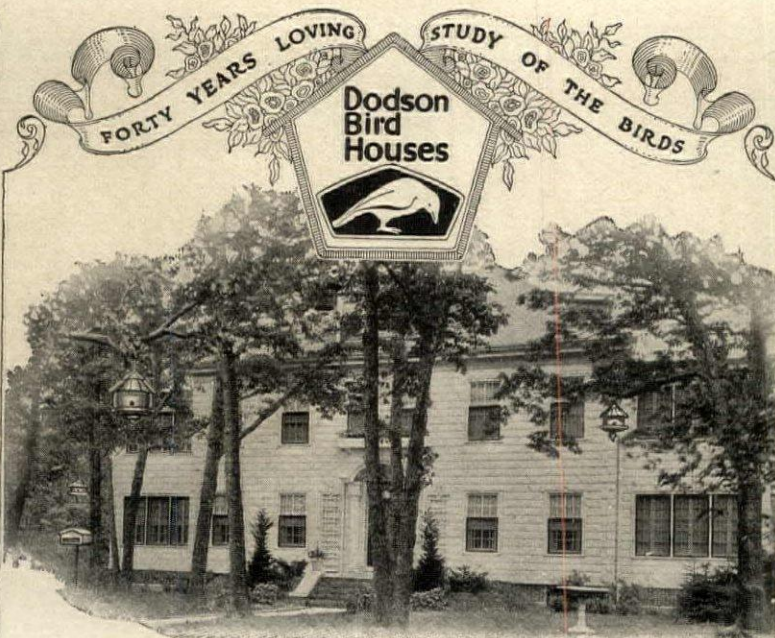
Knickerbocker Photo Service

Azaleas are always a feature of the Bobbink & Atkins displays—never more so than in this brilliantly colored and effectively fenced in garden



Levick

The Rose garden of A. N. Pierson was tastefully laid out with gravel walks and stretches of fresh green turf between the beds



Queen Anne Martin House
 Made with 48 rooms for the beautiful martins who colonize. The martins devour mosquitoes! Scientific porch. Pure white and green trims. Of pine, copper roof. 22-foot easy raising pole, house 36 x 26 x 37 inches.
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 With copper roof **\$5.00**

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 Places with trees should have these houses. The woodpecker family save millions of dollars in trees annually, destroying moths, ants and tree pests. Lovely design. Brown to match tree trunk. Norway pine. 26 1/2 in. high, 12 in wide.
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 Birds need water—that's why they eat fruits. They are afraid of large bodies of water. A scientific bird bath will attract them to your lawn. Sloping sides designed for the birds complete with stand, 32-in. high
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 It brings the silver-throated wrens! A 4-compartment house satisfying their habit of changing nests for each succeeding brood. Beautiful design, to hang from tree, eaves or elsewhere. Green. Of oak, with cypress shingles, copper coping. 28 inches high, 18 inches diameter.
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Bluebird House
 Bluebirds for happiness, because they are perhaps our most beloved songsters! They are exacting birds; but this house will win them. Put it on a pole up out of harm's way. Green, of pine, 21 in. high by 16 in. diam. With easy-raising 18-ft. pole.
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 Government research has disclosed the song birds' value to America. See here one bird's daily diet! Just attract the songbirds to your grounds! Dodson Famous Sparrow Trap removes the harmful English Sparrow. 36 x 18 x 12 in. \$8.00

What! no bird houses about your grounds?

PUT them up this season, friends, or your fine place may look as desolate as handsome walls devoid of pictures. Truly, Dodson Bird Houses have become fashionable. But why?

These quaint signs of hospitality attract the beautiful songsters. So artistic are the Dodson Bird Houses, that one is apt to overlook the scientific details which Mr. Dodson has perfected after years of study. Not so the birds! They approve them season after season, building their homes, raising successive broods of little songsters

Gentle folks love the birds, know their happy influence, their inspiration. Dodson Bird Houses open this joy to you

But, remember, always, the **WORK** of the song birds. A thousand mosquitoes a day are destroyed by just one graceful martin! Trees are protected from boring pests by the flicker family! All your green growing things are **INSURED** thru the song birds you attract

Send us your order straight from this page. The houses come promptly all carefully crated, ready to put up. Order **NOW**—don't put it off

Who buys Dodson Bird Houses

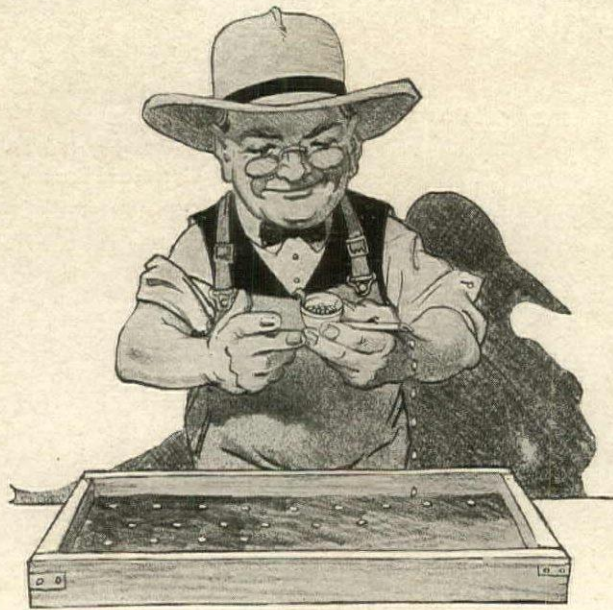
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| Henry Ford, Detroit | J. H. Kellogg, Battle Creek |
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Sows Seeds at a Touch!

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NO WASTE OF SEED, TIME OR PLANTS

The Amateur Gardener, with this instrument, is now able to sow the finest seeds with a precision and assurance of success hitherto possible only to the skilled professional.

HOW IT OPERATES

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The Seed-Sower is held in the left hand with the

feeder-tube extending over the back of the hand. A light tapping with the second finger of the right hand on the end of the second finger of the left gently impels the seeds through the tube in regular order (see illustration).

Just a Suggestion: When ordering one for your own use, why not one or more as welcome gifts to your friends?

Sent anywhere, postage prepaid, on receipt of

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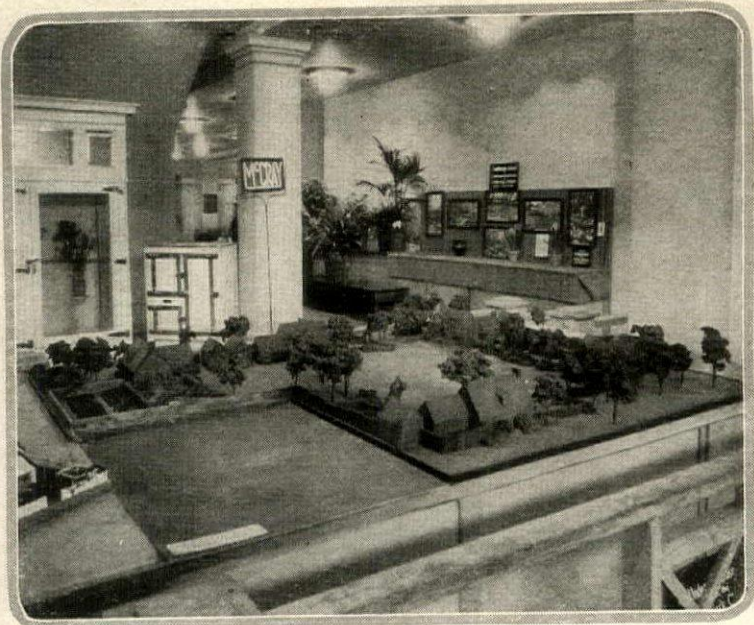
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NEW YORK CITY

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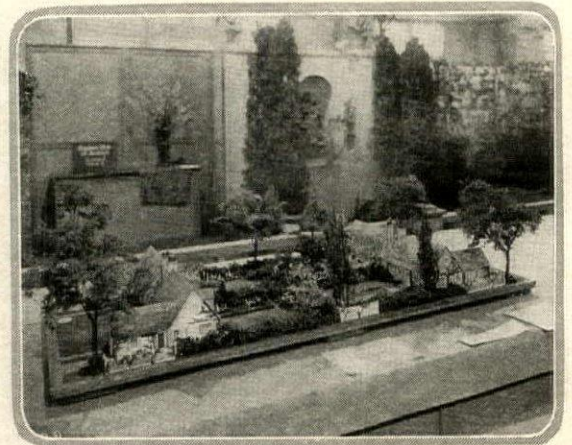
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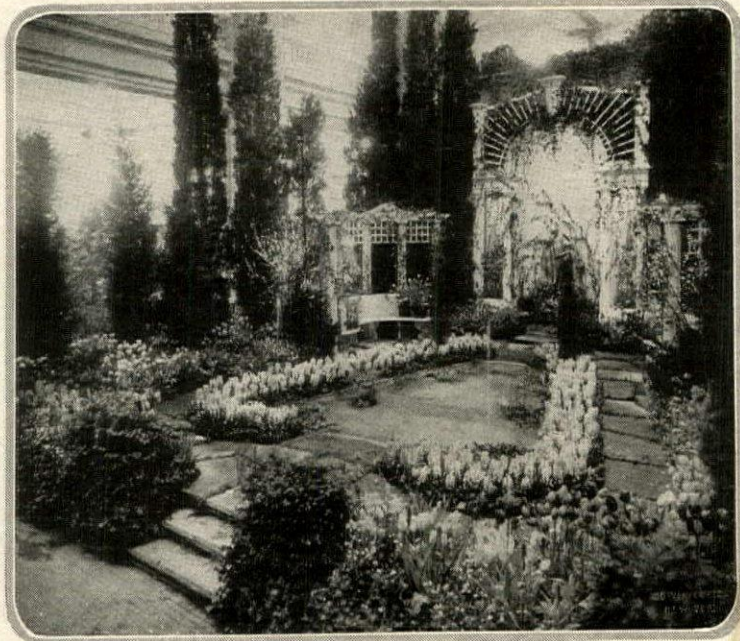
The New York Chapter of the American Landscape Architects offered a restrained arrangement of dwellings and service buildings in which sheared hedges played an important part

AT THE NEW YORK FLOWER SHOW



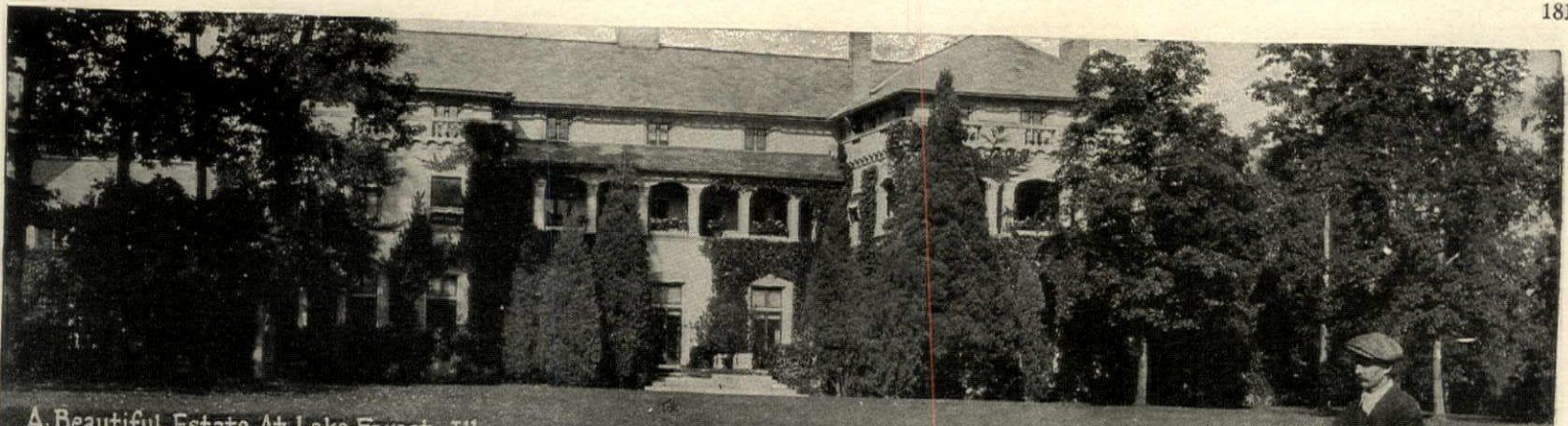
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A first prize was awarded to the detailed grouping of Harvard's School of Landscape Architecture



Levick

William Moeller designed the Hollander Cup and Gold Medal winning bulb exhibit for John Scheepers, Inc. A feeling of delightful peace and dignity filled the shrub surrounded garden



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Mower Perfection Means Lawn Perfection

— A Mechanical Masterpiece, designed by expert engineers and entirely built in one factory devoted exclusively to the manufacture of power mowers.

On private lawns, from half acre up, on large estates, country places, golf courses, parks and cemeteries—wherever they are used, the Jacobsen 4-Acre Power Lawn Mower makes friends. It wins repeatedly in trial tests and demonstrations, against other power mowers. It is praised by men who have had experience with all kinds, and is repeatedly replacing other mowers after its demonstration of superior performance.

Jacobsen 4-Acre Power Lawn Mower

A fast, efficient and economical mower that soon pays for itself in labor saved, because it cuts fully four acres a day on only one gallon of gas. Handles as easily as a hand mower, with four to five times greater capacity, and does better work. It steers easily in and out among flower beds, shrubs, trees, etc. A mechanic is not necessary to operate it. The sturdy motor not only runs cutting reel but propels the mower. You do not have to push or drag. Traction wheels operate independently of the cutting reel when necessary to travel over walks, roadways, etc. A score of other interesting and superior features of Jacobsen 4-Acre Power Lawn Mowers are explained in the handsome free book. Write for it today.

Our Special Jacobsen Estate Mower is a wonder for especially fine medium size lawns.

Write for the handsomely illustrated free book; describes the machines fully; pictures many beautiful lawns and gives testimonials of prominent users.

The JACOBSEN MANUFACTURING CO., Department A, Racine, Wisconsin

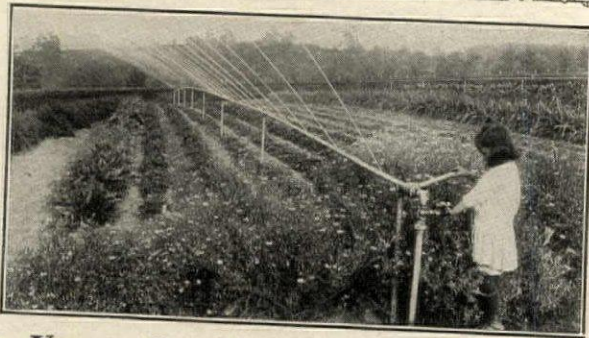


A Few of Its Mechanical Refinements

- Knives sharpened by mower's own power without removing reel from mower.
- Enclosed gear transmission running in oil bath.
- Miniature automobile type of differential—easy steering.
- If sticks or stones catch in blades, reel clutch is thrown off before knives are damaged.



Rain When You Want It



Make Your Garden an Assured Success

There is one thing that will do more than anything else to make your garden an assured success, and that is a plentiful supply of water. Of course you can get it with a hose, but hose holding is tedious and expensive; it takes a lot of time.

With a Skinner System of Irrigation, you simply turn on the water when it is needed, and the ground is soon thoroughly soaked with a gentle spray which does not cake the soil. Your garden will yield flowers, fruits and vegetables in quality and abundance such as it has never grown before.

Inexpensive, simple to install and easy to operate. Immediate shipment. Made decorative by training beans or flowering vines on the posts.

Our business is the correct watering of lawns, gardens of all kinds, golf courses, polo and athletic fields, tennis courts, bowling greens.

Write us for information on irrigation which will be of great interest to you.

The Skinner Irrigation Co.

231 Water Street

Troy, Ohio



Beauty at your Door!

Six splendid Evergreens—each a specimen plant, vigorous and big-rooted—to add grace and distinction to your doorway or lawn.

This collection consists of matched pairs in the following three deservedly popular varieties:

- 2 Pyramid Arborvitae *Thuja Pyramidalis* 2 to 3 feet.
- 2 Greek Juniper *Juniperus Stricta* 1½ to 2 feet.
- 2 Phitzer's Juniper *Juniperus Phitzeriana* 15 to 18 inches

Carefully packed, crated and delivered to the express on receipt of the price.

TWENTY-FIVE DOLLARS

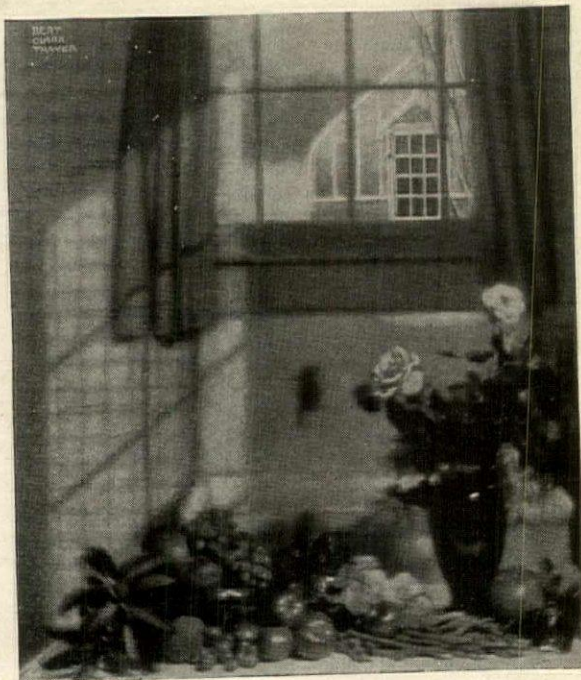
The New Outpost Catalogue is yours on request—Many fascinating novelties and all the worth-while favorites in Evergreens, trees, shrubs, vines, perennials, roses, etc., with complete price lists.

Danbury Road

Outpost Nurseries

Ridgefield Conn.

Glass Gardens



And So You Start Each Day

YOU can always count on starting each day with a bounty of flowers.

And at totally out of season times, fruits. Luscious, thin skinned, delicious, such as only can be grown in gardens under glass.

Always some crisp succulent vegetable.

Not the usual greenhouse, mind you, but your own garden under glass, just outside your window.

A goodly sized Glass Garden, the complete materials for which, we will sell you for so little as 1,650 dollars..

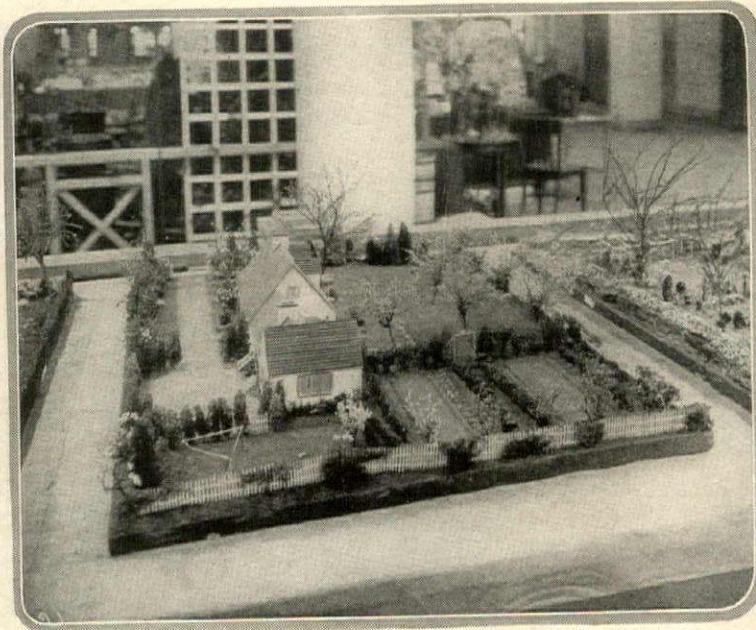
It is the first time since the war, that so large and complete a house has been sold for anything approaching the price.

Send for circular giving the full particulars

Lord & Burnham Co.

Builders of Greenhouses and Conservatories

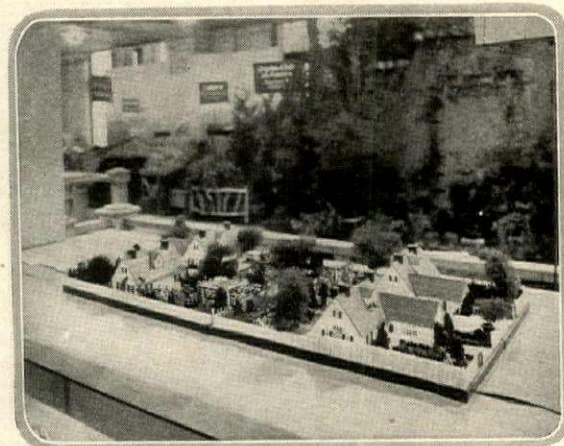
Eastern Factory Irvington, N. Y.	Western Factory Des Plaines, Ill.	Canadian Factory St. Catherines, Ont.
Irvington New York	New York 30 E. 42nd St.	Philadelphia Land Title Bldg.
Boston-11 Little Bldg.	Cleveland 407 Ulmer Bldg.	Denver 1247 S. Emerson St.
St. Louis 704 E. Carrie Ave.	Montreal 124 Stanley St.	Buffalo Jackson Bldg.
		Chicago Cont. Bank Bldg.
		Kansas City Commerce Bldg.
		Toronto Harbor Comm. Bldg.



Levick

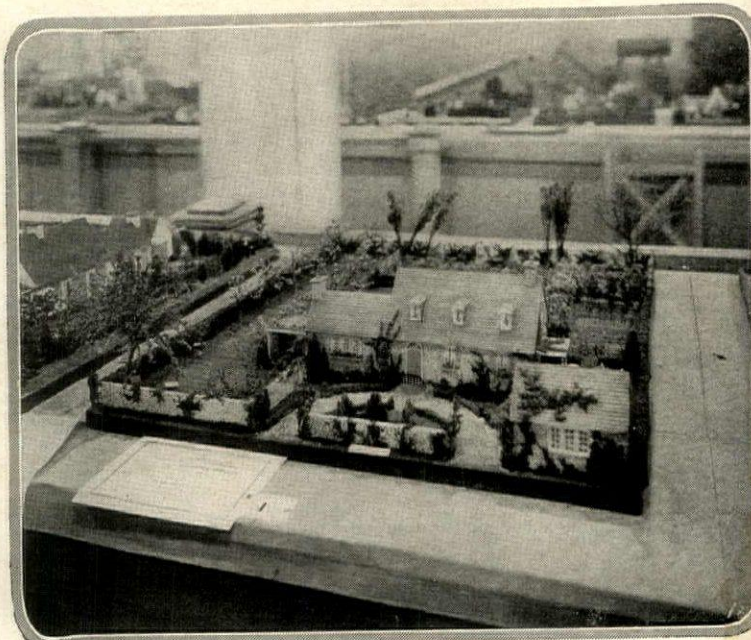
To Mrs. L. Caspar Wister, of Wynnewood, Pa., went a first prize in the country home competition. Mrs. Wister's design included the desirable features of fruit trees, vegetable garden and secluded drying yard

AT THE NEW YORK FLOWER SHOW



Levick

A more compact dwelling-house group than that of Iowa State College was that of the Ambler School of Horticulture, executed by Miss P. H. Smith of Philadelphia



Levick

Mrs. C. Frederick Stout, of Ardmore, Pa., worked out this residential treatment. It was particularly interesting in its combination of enclosing walls hedge plantings

The
MONTAMOWER
A Greatly Simplified and Efficient
Lawn Mower



\$18.00

Direct to you from
the manufacturer.

From the hundreds of attempts to
produce and improve the lawn
mower, Montamower stands out
alone as the only real advance-
ment in generations



The blades gather the grass in
little bunches and shear them
off smoothly and evenly.

More Practical Than Any Other Lawn Mower

Montamower—the result of eight
years of development is guaran-
teed mechanically perfect. Owner
satisfaction proves it. Simple—
durable—with an excess of
strength in every part—it gives
years of service without trouble.
Montamower does not run close
enough to the ground to pick up
sticks, twigs, etc.—it cannot grasp
small stones that would injure the

blades. Weighs only 7½ lbs.—
can easily be handled by a
woman or child—silent in oper-
ation—blades may be sharpened
or replaced by new ones at less
expense than necessary to
sharpen an ordinary lawn
mower. Drive wheels do not
mat the grass—grass catcher can
be easily attached. Cuts a 16-
inch swath.



**Cuts Long Grass
Easily**

Cuts tall grass—cuts dan-
delions—June grass, etc.
Ordinary mower just
pushes them over.



**Cuts and Trims
at Same Time**

Montamower cuts the
lawn perfectly and trims
clear to walls, fences, etc.
—no fringe left.



**Trims Close—No
Harm to Trees**

Montamower cuts clear
to trees, shrubs, etc. with-
out harming—no cutting
by hand necessary.

MONTAMOWER SALES COMPANY

149-154 Louis Street
GRAND RAPIDS MICHIGAN
Export Dept., 19-25 West 44th St., New York City

MAIL COUPON TODAY

Enclosed find remittance of \$18.00. Please send one
Montamower to this address:

Name.....
Address.....

**Order a
Montamower Today**

Guaranteed to be as repre-
sented or money refunded.
Send check or draft for
\$18.00 Delivery charges
prepaid if remittance ac-
companies order.

**Success
with Roses**
by Robert Pyle

**Comradeship
of the Rose**

ROSES! The very word is
fragrant. It is a caress, a magic
incantation. Exquisite memories
lie in its gift. This five-petaled
word, it is safe to say, enshrines
more mental pictures of pure and
enduring beauty than any other
in the garden of speech. Life
admits no word to more tender
intimacies. As children we
dance to its nod down sunny
aisles of laughter; as young men
and maidens we seal with it the
betrothal kiss; and at our jour-
ney's end we call upon its living
fragile loveliness to breathe
denial of death itself.

Since history was first written
the rose has been associated
with the most important, vital, as
well as the tenderest, events in the
life of man. For centuries it has
been fully recognized as the
Queen of Flowers, honored alike
by poet and by King.

The rose reigns without a peer
over the kingdom of flowers. In
its myriad shades it rivals the
seductive orchid; and above all,
its exquisite fragrance gives us
the enjoyment of another sense—
the crowning feature, in which
no other flower can compete
with it.

Comradeship with the rose
enriches life—it brings us into
association with beauty—it sur-
rounds us with delights beyond
description by words.

This is the month, May 1 to
10, to spray your plants with a
solution of nicotine or sulpho-
tobacco soap to act as a pre-
ventive against green-fly. Later
in month apply weak manure-
water to plants and spray again
to kill off the green-fly.

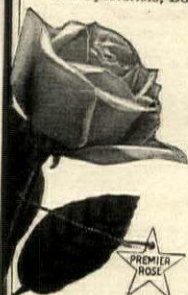
From "How to Grow Roses"

By *Robert Pyle*

Conard Star Roses are faithful comrades
—each plant is guaranteed to bloom;
the only roses with such a guarantee.
A tag attached to each plant enables you
to know your roses and call each bloom
by name.
CONARD & JONES CO., Robt. Pyle, Pres.
Rose Specialists, Box 126, West Grove, Pa.

**54-PAGE
ILLUSTRATED
CATALOG**

Roses for every
locality—and pur-
pose, with 12
choice varieties in
natural colors—
**FREE ON
REQUEST**
Rose Specialists
for years



CONARD ROSES
Guaranteed to Bloom



For Your Lawn
and Garden
ALPHANO
Takes Place of
MANURE

Odorless. Powdered. Rich. No
weed seeds. Easy to use. Reason-
able in price. Will make either
sandy or clayey soils fertile.
Not only a plant food, but
nature's natural soil builder.
Sold with a guarantee that is
a guarantee. 4 one hundred
pound bags for so little as \$5.
Shipped direct from the deposits
at Alphano, N. J.

Send for circular.



4 bags of 100 pounds each for \$5.
By the ton in bags \$20.
By the carload in bags \$16. a ton.
By the carload in bulk \$12. a ton.
Prices do not include freight charges
from Alphano.

**Standard Agricultural
Chemical Corp.**
Sole Producers of Alphano
Successor to The Alphano Humus Co.
2 Rector Street, New York City

**Stewart's
IRON FENCE**
STANDARD
OF THE WORLD



**Beauty, Protection,
Distinction**

For town or country home

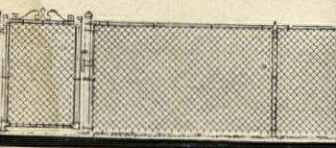
Used at the recommendation of landscape
architects on many of the best known
estates in America, Stewart Iron Fence is
also bought for the more modest town or
country home. It never has to be replaced—
is a life-time improvement.

For garden or lawn

For enclosing the garden, lawn, or other
grounds at moderate cost, you can secure
many attractive designs in Stewart Chain-
link Wire Fence. It is strong, lasting,
distinctive, economical.
Stewart erection service available every-
where.

Send today for
Catalog "B." Iron Fence Designs
Special Bulletin of Chainlink Designs

The Stewart Iron Works Co., Inc.
422 Stewart Block Cincinnati, Ohio
"The World's Greatest Iron Fence Builders"



A Garden Full of Dahlias for \$3.50



New and Rare Exhibition Dahlias

Few flowers, whether used for garden decoration or principally for cut blooms to decorate the home, are as responsive to simple garden culture as our Modern Dahlia. It has made wonderful advancement in size of bloom, habit of growth and profuse blooming qualities.

In order to further its now great popularity, we are offering this collection of

12 Dahlia Tubers for \$3.50

—one each of 12 distinct varieties, not labeled, which if purchased separately according to name would cost not less than \$10.00.

Order Your Tubers Now so as to have them ready to plant any time after the tenth of May or when all danger of frost is past.

Mail this advertisement, or present at our store, with Check, Money Order, Cash or Stamps, and secure this exceptional collection, sent prepaid to any point in the United States.

Our 1924 Spring Seed Annual sent on request

Stump & Walter Co.

30-32 Barclay St.,

H. G.

New York City

DOUBLE ROTARY SPRINKLER



First Aid to Outdoor Beauty

All season long—year after year—the improved DOUBLE ROTARY Sprinkler assures healthy, green lawns, gardens and shrubbery despite droughts and dry weather. Here is a real self-operating sprinkler! Water pressure causes the wheel to revolve, cutting water into fine particles—“like a gentle shower”. Rotates in a perfect circle—Sprinkles evenly over a radius of 15 to 80 feet, according to water pressure.

The DOUBLE ROTARY is durably built of interchangeable parts; will last for years. Working parts run in bath of oil. Standard hose connection. Needs no attention. Thousands in successful use by home owners, golf clubs, parks, etc.

Order on Approval. The DOUBLE ROTARY is sold Direct from Factory on a Satisfaction or Money Back Guarantee. Price \$12.50 postpaid anywhere. Order from this ad on approval. If not perfectly satisfactory return sprinkler and your money will be refunded.

DOUBLE ROTARY SPRINKLER CO.
1261 Coca Cola Bldg. Kansas City, Mo.



Price
\$12.50
Postpaid

Lawns Cut 80% Faster



No trouble now, to keep them beautiful

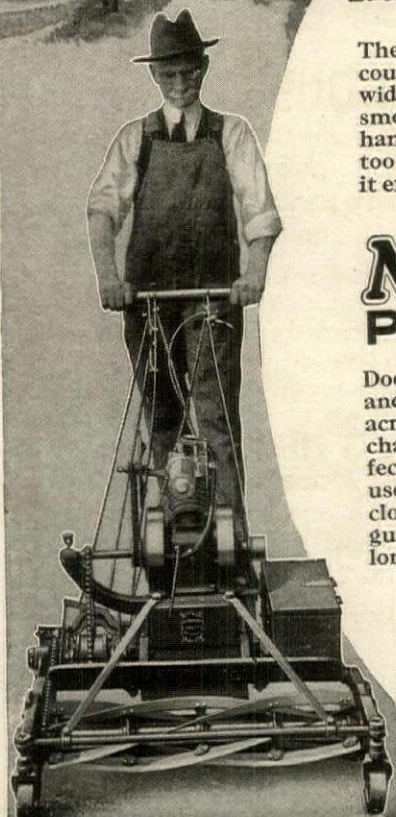
The ambition of every owner of a country home or estate is to have a wide-spreading lawn of velvety smoothness. It can't be cut with a hand mower—the work is hard and too slow—the help balks—rains make it extra difficult.

MILBRADT Power Mower

Does the work in one-fifth the time and does it right. Cuts four to six acres a day. Your yard-man or chauffeur can keep your lawn in perfect condition at odd times. Easy to use—nothing to do but guide—trims close to edges. Sold under positive guarantee. Gives you the lawn you long to have.

Send for full details, prices and comprehensive illustrated booklet "Lawns Like Velvet". Sent free without obligation.

Milbradt Mfg. Co.
2406 N. Tenth St.
St. Louis, Mo.



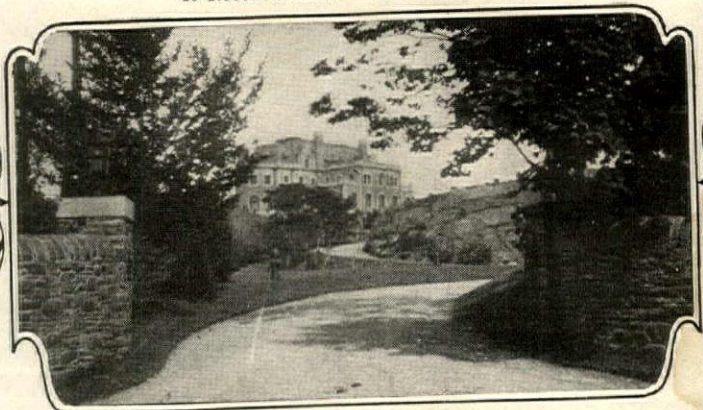
Do Smooth, DUSTLESS, Weedless Driveways Appeal to You?

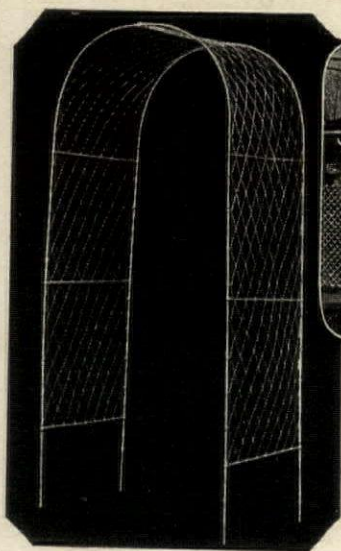
Dust-laden drives are disagreeable, unhealthy, injurious to grass and foliage and mar the appearance of the grounds; furthermore they are entirely unnecessary.

Solvay Calcium Chloride, a clean, odorless, harmless chemical salt, is a natural dust preventive and road binder, that protects the surface from wear and controls the dust.

Weeds are entirely eliminated by Solvay Calcium Chloride, and its germicidal action is approved by doctors everywhere. Easy to apply and readily obtainable from numerous shipping points. For perfect roadways use Solvay. Unexcelled too, for surfacing tennis courts; makes them fast, smooth and resilient. You are invited to write for the Solvay Road Book No. 1302 illustrated.

THE SOLVAY PROCESS CO.
WING & EVANS, Inc., Sales Division
40 Rector Street, New York City





To harmonize with the Fiske woven wire lawn fence we picture a beautiful woven wire gate of durable construction. We also make an ornamental iron gate which harmonizes equally well with the woven wire fencing.

The Beauty of a Rambler Arched Walk

Fiske galvanized wire arches \$13.00.

Made in stock sizes 18 inches wide, and they span 4-foot walks.

They have heavy frames to extend into the ground for stability, and are rust and weather proof.

They are made in halves and are packed, nested, for easy shipment.

Also, 30 inch arches for \$15.00.

J.W.Fiske IRON WORKS
ORNAMENTAL IRON WORK
80 Park Place ~ New York
ESTABLISHED 1858

What could be more beautiful than a flower-arched walk in your garden? It certainly adds charm and distinction to the approach of a home.

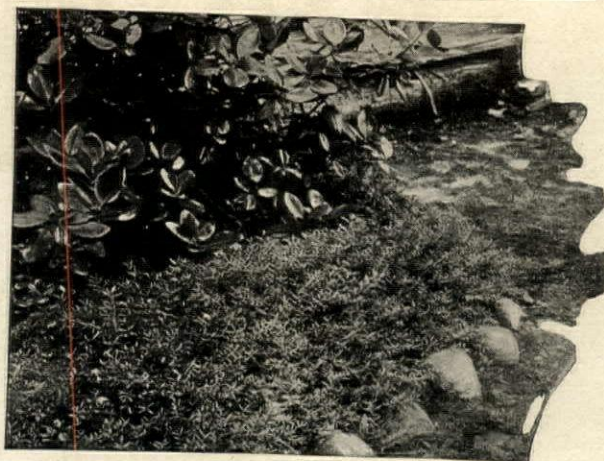
Now is the time to select an arch—a Fiske wire arch on which to train the vine.

The Fiske wire arches are made the enduring way to last season after season and year after year.

Also don't forget other Fiske garden utilities—arbors, fan trellises, etc.—which Fiske also makes rust and weather proof.

Send for catalog 15.

Rare Plants from Hicks



Mountain Lover—*Pachistima canbyi*

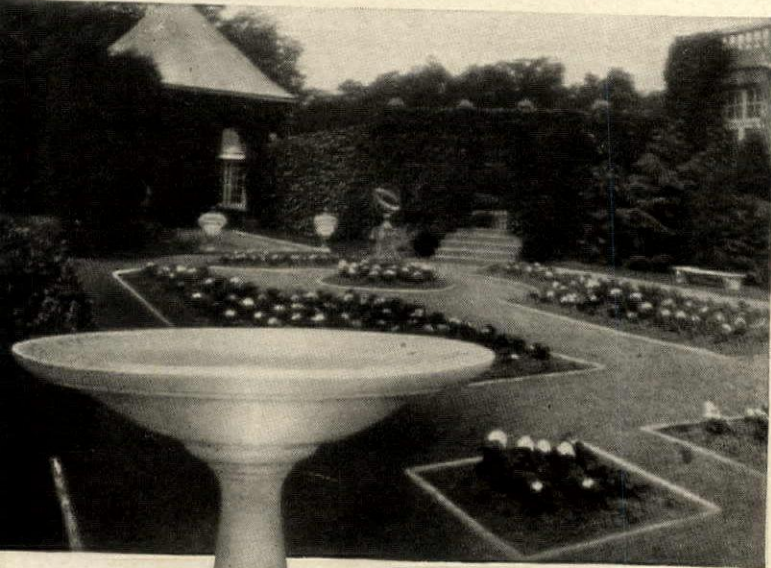
One of the rarest plants in the United States; grows wild only in one place in the mountains of West Virginia. It is a beautiful ground cover, producing a green and bronze-red, moss-like carpet, 6 inches thick. Tuck it under foundation plantings at the edge, along the border of a path, or in the rock garden.

Home Landscapes, our new catalogue describing many garden rarities, sent on request to *House and Garden* readers.

Hicks Nurseries

Box H

Westbury, L. I., New York

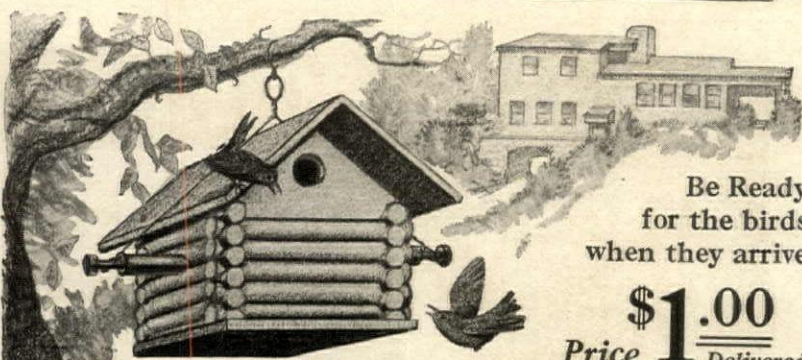


It's Garden Time Again

Time to acquaint yourself with the garden appointments from our studios. Bird baths in original designs, benches, the quaint charm of sun-dials—we have a complete line of garden accessories—each piece with a marked individuality which only our craftsmen can impart. Fashioned of beautiful Art Stone which endures a lifetime.

Ask our Garden Plan Department to suggest distinctive arrangements, or assist you in making selections

ARCHITECTURAL DECORATING COMPANY
10 SOUTH JEFFERSON STREET CHICAGO, ILLINOIS



Be Ready for the birds when they arrive

Price **\$1.00** Delivered

LINCOLN WRENHOUSE

Four for \$3.50

Invite a family of these little feathered friends to be your guests for the summer. Enjoy their songs—watch the little ones venture out into the world on their tiny wings.

This bird house is artistic and built on scientific principles—it looks like a miniature log cabin. Made of wood, tinted a soft brown that attracts the birds and has a strong, weather-proof roof. It comes **knocked down** and is easily put together. The price is only \$1.00 delivered. (Canada \$1.50 including duty and postage.) See your dealer or mail coupon today.

JOHN LLOYD WRIGHT INC.

227 - EAST - ERIE - STREET - CHICAGO

Canadian Address: 60 Front Street, West, Toronto, Ontario

MAKERS OF THE FAMOUS LINCOLN LOGS

JOHN LLOYD WRIGHT, Inc.
227 E. Erie Street, Chicago.
Please send, postage prepaid

1 Lincoln Wren House	\$1.00
4 Lincoln Wren Houses	\$3.50

With the understanding that you will refund my money if for any reason I wish to return the Bird Houses after five days. I enclose herewith \$

Name

Street

City

State

WHY A WELL BRED DOG IS THE BEST

ROBERT S. LEMMON

CONSIDERING that he has been a companion and helper of mankind for probably as long as any four-footed animal, the dog in America today is handicapped by an astonishing number of misapprehensions on the part of the general public. Even among those who own dogs there frequently exists only the most rudimentary knowledge of the simple principles of feeding and general care. As for the finer points—the varying characteristics of the different breeds, the ailments which should be guarded against, the methods of training which will make for the greater satisfaction of owner and dog alike—they are as a closed book to many well intentioned and intelligent people. Even the superior merit of a well-bred dog over a mongrel, as a general family companion and friend, is too seldom appreciated.

"But the best little dog I ever knew was just a gutter pup," someone argues.

Very true—but he was the exception, not the rule. In him you saw, unrealized, the survival of the fittest theory in its actual working out. Of that prodigal pup's half-dozen brothers and sisters, perhaps six never rose above the lower strata of mediocrity.

PEDIGREE ADVANTAGES

It is an old and true axiom that blood will tell, whether it is in the veins of man, horse or dog. One looks to the thoroughbred for the truest courtesy, the greatest speed, the most loyal devotion. In the well-born one finds, as a rule, the highest and most desirable type of intelligence appearing with the greatest frequency. Among such the percentage of successes in any given number is at the maximum.

Good breeding does not, in this connection, necessarily imply a dog that is a potential winner at some bench show. It may mean nothing more than that the pup is of registered, pedigreed parents and that he himself is a good, average, typical specimen of his particular breed.

With such a dog, you can be practically certain, in advance, that he will exhibit the special traits which have already attracted you to his breed—appearance, courage, gentleness with children, trustworthiness, or what you will. Thus you are enabled to select him with special reference to your own situation.

Again, the chances for the outcropping of undesirable qualities such as treachery, cowardice and the like will be minimized. A true lady or gentleman is not prone to such social faults—and a thoroughbred dog is just a canine counterpart of that estimable human individual.

Still another advantage is the fact that the well-bred dog has usually received intelligent care from earliest puppyhood, and is therefore likely to be in good condition when he comes into your hands. As a rule, too, he is well formed and possesses a sound constitution, as his parents were selected with definite thought for the qualities they would transmit.

Of a less practical but nevertheless important nature is the consideration of pride in ownership. Most of us like to possess a car or a hat or a house that we need not be ashamed of in any company. Just so do we feel a keen satisfaction in owning a dog that will pass muster with other dog enthusiasts.

"But a pedigreed dog costs so much!" the champion of the Unknown Puppy objects. "Why should I pay fifty dollars or more for a thoroughbred pup two months old when I can get one that looks well enough from Pete the Paper Hanger for five?"

H-m-m! Well, because he's worth it—to his new owner, and to the breeder who offers him for sale. One does not have to be an out-and-out fancier to get far more than fifty dollars' worth of

satisfaction out of a good pup in the six to ten years of his lifetime. We pay perhaps twice that sum for a suit of clothes—and in a year give it away to the furnace man without a qualm of conscience. A permanent hair wave eats into the bank account to the extent of twenty-five dollars—and in a few months the only reminder of it is a cancelled check. Fifty or seventy-five dollars for a dog is extravagant? No indeed! Pete's Pup may cost only one-tenth as much, but he'll always look it!

And paying a price like that is not putting a hundred percent profit into the kennel man's hands, popular belief to the contrary notwithstanding. It costs real money to raise real dogs, and the breeder who grows rich at the game is a very rare personage indeed. Consider for a moment, if you will, some of the principal factors which amply justify the kennels in asking the prices they do:

Take, for example, a kennel raising terriers—Scottish, Wire or Irish, perhaps.

For a female suitable for breeding, the owner of such a kennel must pay at the outset \$200, let us say. Her life of usefulness will hardly exceed eight years—seven litters of saleable puppies, thirty-five individuals in all, if the luck breaks perfectly. Supposing twenty of these pups are males, and sell at \$75 each, their yield is \$1500; the fifteen females, at \$50, bring in \$750, a total of \$2250 in eight years.

Now, the upkeep cost for the mother of these pups, in a fair sized kennel, figures out some \$120 a year; \$960 for the eight-year period we are considering. The additional cost of raising the thirty-five pups to the time they are sold may be put at \$300. Apportioning a fair share of the stud dog's expense gives another \$400 for the eight years. Adding these figures to the original cost of the breeding female shows \$1860 as the cost of producing and selling the thirty-five pups for \$2250, without counting interest on the investment, upkeep and repairs to buildings, taxes, general overhead and other incidentals. In other words, a profit of \$390 in eight years from each breeding female—\$48.75 as a yearly average. Supposing there are twenty breeding dogs (that's a good-sized kennel), they may net their owner \$975 a year.

If this be profiteering, make the most of it!

WHY DO THEY DO IT?

As a matter of fact, these figures are exceedingly optimistic. In actual practice accidents and other ill-luck are almost certain to cut down the credit side of the books. One prominent kennel lost nine stock dogs not long ago from distemper which gained a foothold through no fault of the owner. Thus an actual cash investment of nearly \$3000 was wiped out in a week, to say nothing of the loss in potential puppies. Again, two young bulldog mothers clumsily rolled on their first litters, unintentionally snuffing out seven small lives and turning what might have been a slight profit for the year into a substantial loss. Other instances might be multiplied indefinitely to prove the statement that accidents will happen in the best regulated families—even in dog families.

Then why, you may ask, does anybody go into such an uncertain, unprofitable business?

Well, if the real truth were discovered, the answer would usually be found in an inherent fondness for dogs. The love of good dogs, once acknowledged, is insuperable and undying. It wins over discouragement, setbacks, financial losses. Those who possess it are indeed richly endowed, for its gratification is easy of attainment and lavish in its rewards



Ideal Power Lawn Mowers are manufactured—not assembled. Their cutting units are made complete in our own factory for power service. We developed our own power plant and built it complete because no other engine is exactly suited to power mower use. All vital parts are Ideal parts.

This means as much in a mower as in a motor car. It means that the Ideal is not an orphan. Behind it is responsibility and service of the world's biggest and oldest manufacturer of power Lawn mowers.

We will gladly send literature, covering four models, telling why the Ideal is the fastest, most durable and most economical grass cutting equipment made.

Ideal Power Lawn Mower Co.

R. E. Olds, Chairman

403 Kalamazoo Street Lansing, Michigan

New York, 13—19 Hudson St. Chicago, 11 E. Harrison St.

Dealers in all Principal Cities

IDEAL

Power Lawn Mowers



"JUNIOR"
3 to 5 Acres
Daily



"30-INCH"
5 to 8 Acres
Daily

Garden Pottery of Quality

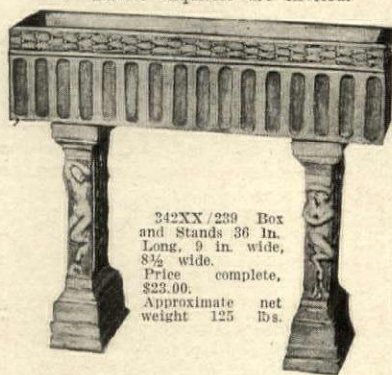
—and of Exquisite Beauty

How often it is admired! And how genuine the admiration! For no lawn is too small—or garden too large—not to have its beauty enhanced by Wheatley Garden Pottery.

We manufacture in all sizes charming designs of Bird Baths, Fountains, Jardinieres, Boxes, etc.

A complete illustrated catalogue will be gladly sent free on request.

Dealer inquiries are invited.



342XX/239 Box and Stands 36 in. Long, 9 in. wide, 8 1/2 in. high. Price complete, \$23.00. Approximate net weight 125 lbs.

353/355/356 Fountain 5 Feet High, 36 Inches wide. Price complete, \$65.00. Approximate net weight 200 lbs.

GARDEN POTTERY AND FAIENCE TILE

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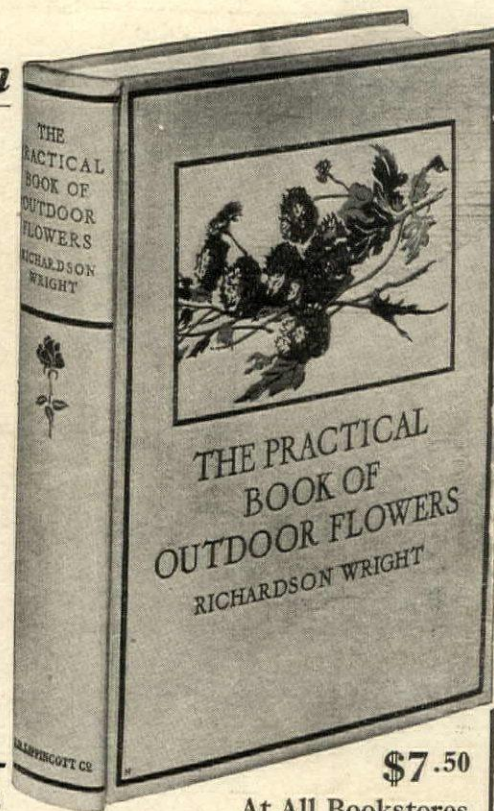
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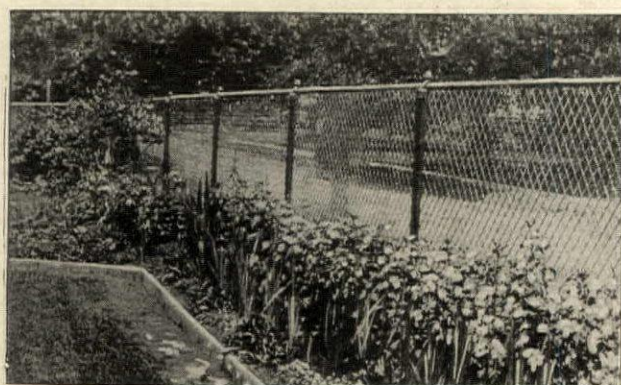
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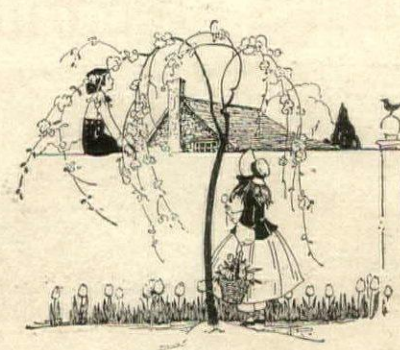
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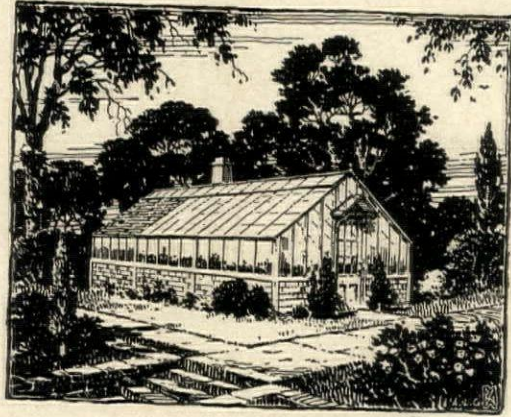
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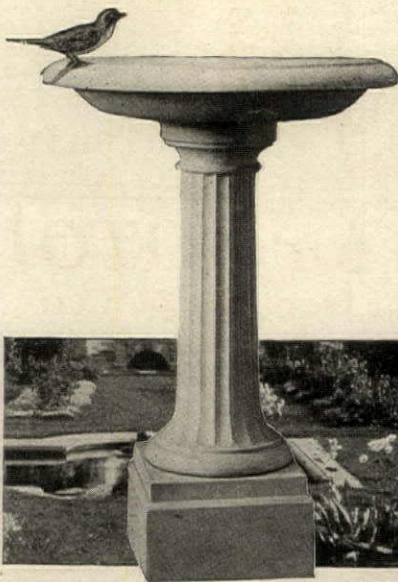
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The insects now eating your plants come from the soil. Saturate the top soil with DY-SECT diluted 150 to 1 and kill them before they come out. The larvae are soft,—easy and economical to kill.

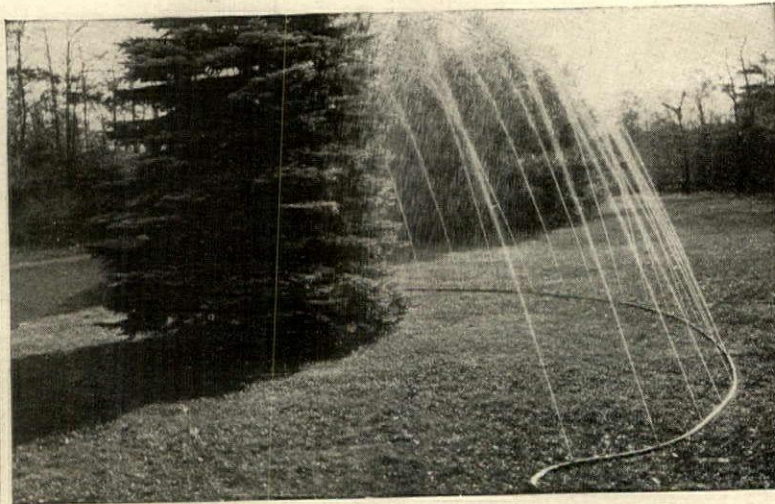
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(patent applied for)
For lawns, flower gardens, golf greens, vegetable gardens and shrubbery.

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BRECK'S IRRIGATOR—a new watering device that will do whatever you ask of it in the way of sprinkling or irrigating. Its fifty feet of flexible hose, fitted with spray nozzles, waters any area on your grounds thoroughly with a minimum of labor.

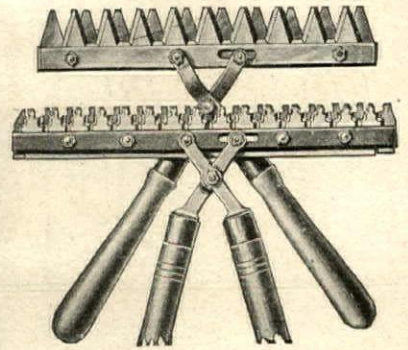
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A Practical Proven, Power Cultivator for Gardeners, Suburbanites, Large Estates, Florists, Truckers, Nurserymen, Berry and Fruit Growers—Simple, Compact, Easily Handled and Powerful.

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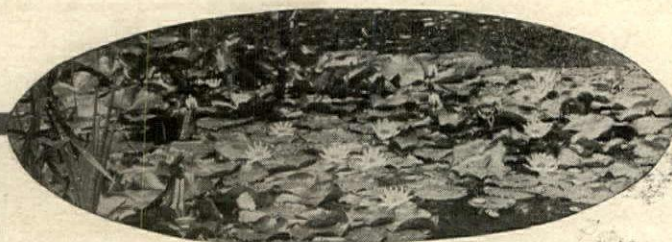
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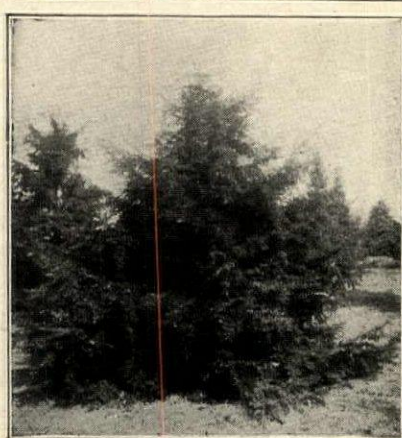
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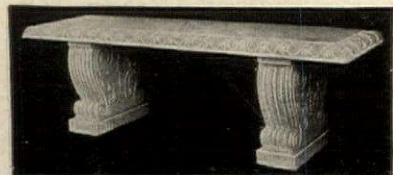
Carolina Hemlock, *Tsuga caroliniana*
Photo By Harlan P. Kelsey
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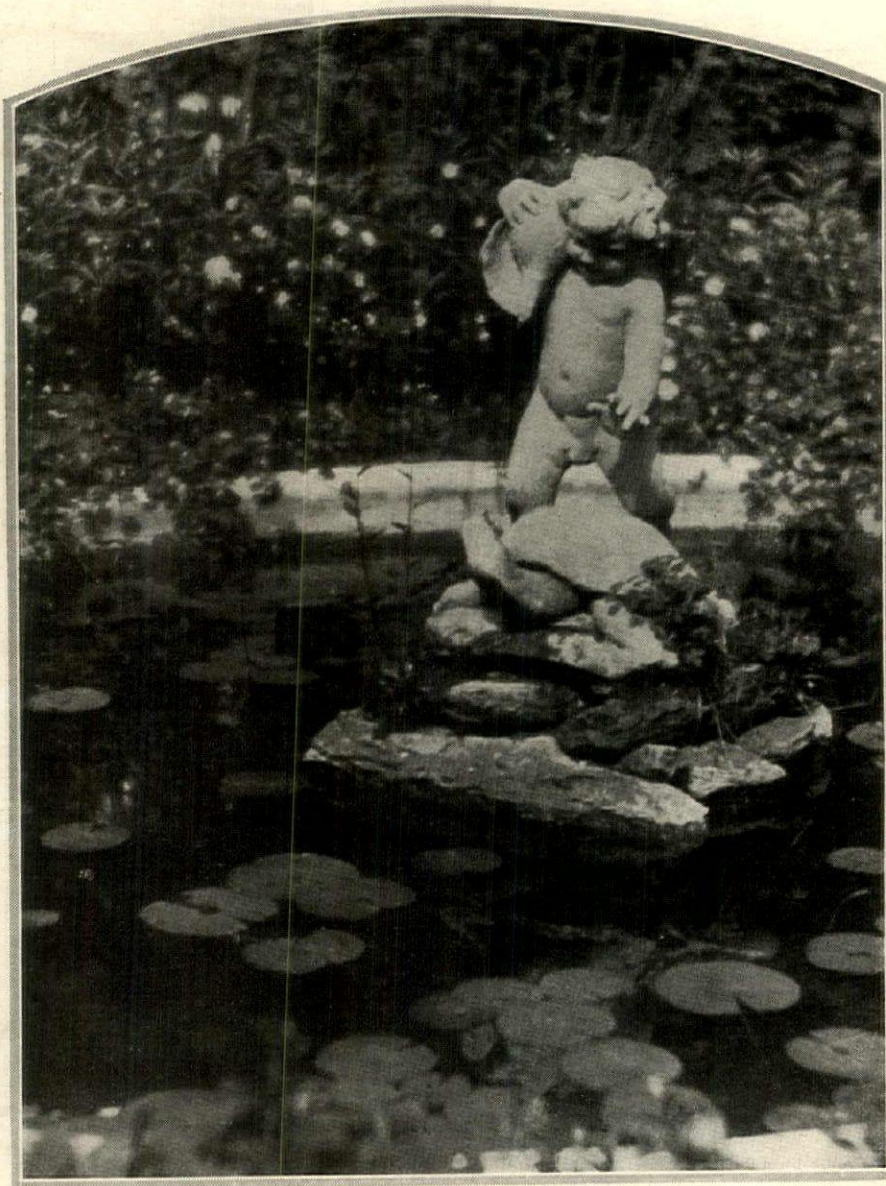
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...the loveliness of summer...tranquil pools and the music of birds...the poetry of color and designs centuries old...You can see gardens from everywhere, feel their romance and beauty, then make your very own the most lovely of them all.

© House & Garden

Garden Furnishing Number of House & Garden

This issue is about summer time—with you in your garden. It's a delightful number...The lead article is about Formal Gardens. An important subject interestingly treated! Then Trellises. Very descriptive! Sun Dials. Mediaeval—modern—artistic—romantic Designs for Summer Houses. Large—small—novel—picturesque!...Some Colonial Gardens...And, in three pages, an intimate tour through the beautiful garden of a sculptor, the late Augustus St. Gaudens.

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HEDGE TRIMMER

operates either by hand or by electric power

THIS new modern device saves time, labor and cost. Trims any shape hedge better, and 10 times faster than old hand-shears method. Adjustable to hedges of any height. Thousands now in use and hundreds of testimonials to prove its superiority.

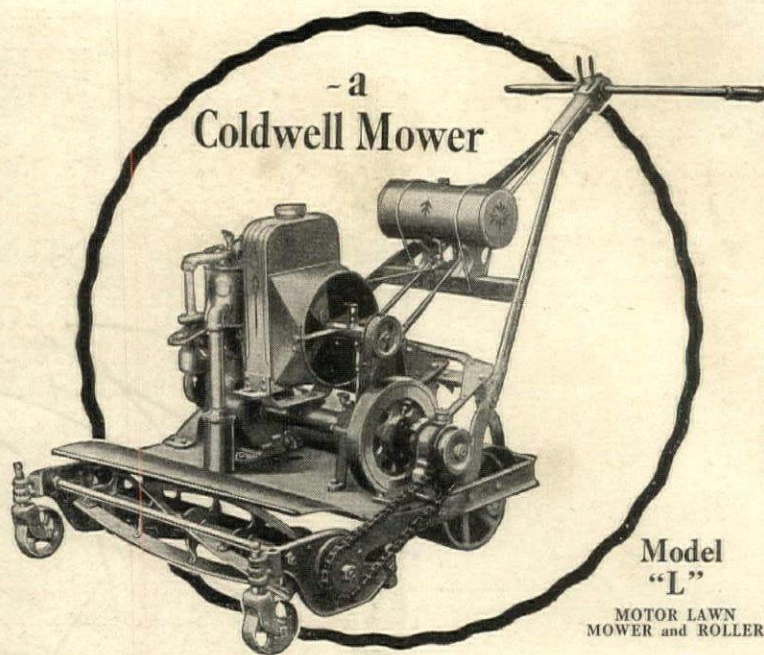


Three sizes: 30 inch; 40 inch and 60 inch blades. \$20 up. Special attachment for lawn clipping \$15 extra.

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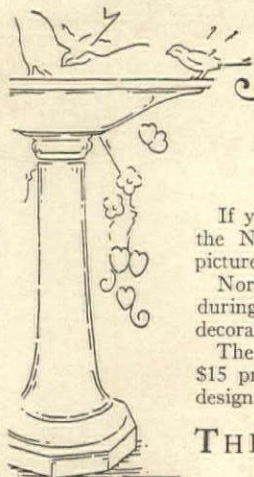
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MOTOR LAWN MOWER and ROLLER

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The care that you take of your lawn early in the season is reflected in its finish later on. A gentle rolling with each cutting firmly imbeds the earth around the roots of the grass plants, thereby assuring a smooth, even surface and a healthy growth. Coldwell's Model "L" Motor Lawn Mower and Roller mows and rolls simultaneously four to six acres a day on one gallon of gasoline. Efficient in every detail, economical, simple to operate, extremely flexible and ever dependable.

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NEWBURGH, N.Y., U.S.A.
HAND, HORSE, MOTOR AND GANG MOWERS



*Add Grace to the Garden
and Luxury to the Lawn*

If you have a bit o' lawn or garden space send for the Norristone Book of Garden Decorations, with pictures and prices.

Norristone is cut-cast granite, beautiful and enduring—used extensively in exterior and interior decoration of banks and public buildings.

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Send rough sketch, showing dimensions of grounds and our Engineering Department will prepare a plan and prices for you without charge. Consult your Landscape Architect!

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You would not hesitate to have asters or sweet peas in your garden. Water Lilies are every bit as successful and far more novel and beautiful.

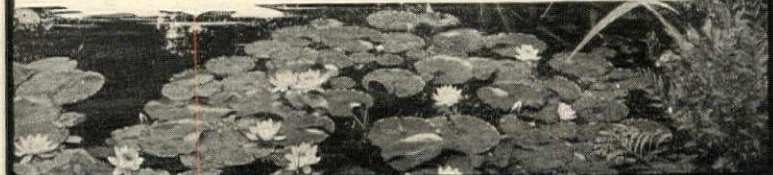
Hardy varieties can be shipped and planted in May; tender varieties in June. If you select the right kinds (see my catalog) you can have both day and night bloomers.

Tricker's Water Lily Booklet

will help you to select desirable varieties, tells how to care for them, gives directions for making a pool, with other valuable hints on water gardening. Send for a copy.

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Simply sprinkle Sani-Flush into the bowl, follow directions on the can, and flush. The porcelain shines. The hidden, unhealthful trap is also cleaned, made sanitary. Sani-Flush destroys all odors.

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Canton, Ohio



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Cleans Closet Bowls Without Scouring

AEROLUX

NO-WHIP
VENTILATING
PORCH SHADES



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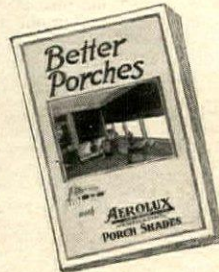
AEROLUX Ventilating Porch Shades will convert at very little expense any porch, into a happy outdoor living room, giving complete protection from the sun's glare, yet admitting a constant supply of fresh air from out-of-doors. Live on the porch this summer—eat, sleep and entertain there in the comfortable seclusion afforded by these beautiful shades. Aerolux exclusive "Hang-Easy" and adjustable "No-Whip" de-

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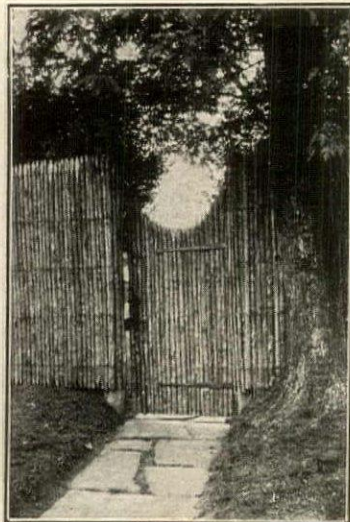
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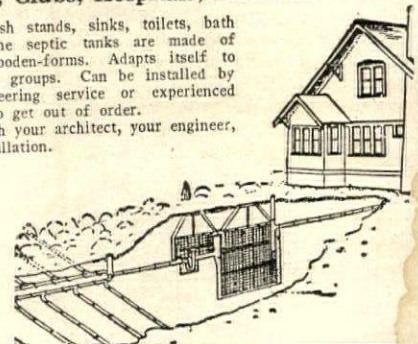
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