

HOUSE & GARDEN

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PERIODICAL
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v. 49

Annual Building Number

1926

The Conde Nast Publications Inc

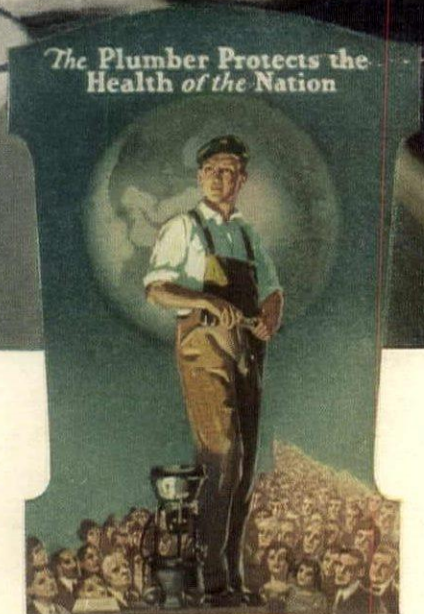
35 cts - 3.50 a year



ANDREW
LOUIS



If about to build or remodel
write for 64-page catalogue
showing "Standard" Plumbing
Fixtures including "yard stick
high" kitchen sinks.



The Plumber Protects the
Health of the Nation

"Standard" PLUMBING FIXTURES

Standard Sanitary Mfg. Co.
Pittsburgh

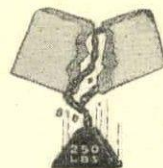


Res. of James Gilmore, Esq., Reg. Arch. Cincinnati, Ohio, Bishopric Ivory Cream Stucco over Bishopric Base on all exteriors.

**Stucco walls
of greater
strength**

Ordinary Stucco

Bishopric Stucco



The enormous tensile strength of Bishopric Stucco is illustrated here. This is just one of the Bishopric guarantees of permanence on the wall.

How Bishopric provides lasting beauty and protection for your home

Rare beauty of shade and texture, with permanent protection from the elements are exclusive Bishopric qualities that are being appreciated more and more by those interested in homebuilding. BISHOPRIC is a super-stucco with greatly increased strength, thus providing durability and protection so vital to every building, whether it be large or small. In Bishopric only can be obtained the wide variety of beautiful shades and textures now demanded by those who appreciate the best. With Bishopric, beauty and protection go hand in hand.

Tensile strength tests show BISHOPRIC far superior to other stuccoes.

BISHOPRIC is fireproof, magnesia rock used is the same as that used to line furnaces and smelters—Tremendous heat has no effect on it.

BISHOPRIC is thoroughly water-proofed by a secret process shutting out moisture, cold, heat, wind and vermin.

BISHOPRIC Insulation Qualities are practically perfect, retarding heat and cold, eliminating objectionable noises.

BISHOPRIC requires no painting or renewing—A wall built to stand for generations.

In mansion or bungalow, Bishopric Stucco has a place, whether laid over stately lines or designed after those quaint cottage effects, now so popular.

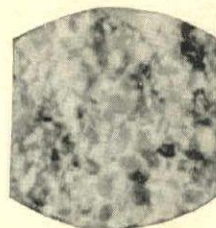
Bishopric Stucco endures in every clime, retaining its strength and original color in temperatures of either extreme. Economical in original cost, negligible in upkeep, warm in winter and cool in summer, BISHOPRIC STUCCO over BISHOPRIC BASE not only wins friends but keeps them. And no wonder, for it yields itself to any form and endures from generation unto generation.

An interesting booklet, "Bishopric For All Time and Clime," illustrated with photographs of beautiful houses built with Bishopric Stucco, plaster and sheathing units will be mailed you Free.

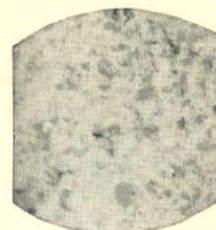
Bishopric is Sold by Dealers Everywhere

The BISHOPRIC MANUFACTURING CO.
201 ESTE AVE. CINCINNATI, OHIO.
NEW YORK CITY CINCINNATI OTTAWA, CANADA
The BISHOPRIC MFG. CO. OF CALIFORNIA
LOS ANGELES

Ordinary Stucco



The average stucco being marketed today is extremely porous and therefore NOT WATER-PROOF. Notice the spongy porous formation in this enlargement and compare the density of Bishopric shown below.



Bishopric Stucco

BISHOPRIC *over* **BISHOPRIC**
STUCCO **BASE**

"A Complete Wall Unit for all Time and Clime"

The Fastest-selling high-powered car in the World

NO OTHER CAR of equal or greater power (according to the rating of the National Automobile Chamber of Commerce and the Society of Automotive Engineers) approaches the Studebaker Big Six in popularity.

The Big Six leads in sales not only in the United States, but also abroad.

It leads because One-Profit production in vast modern plants enables Studebaker to offer a sturdily built quality car with scores of thousands of miles of excess transportation at prices far below those of competitors.

There are only seven American cars with rated horsepower equal to that of the Big Six and their prices are two to four times that of this famous car.

It is not surprising that the Studebaker Big Six is the fastest-selling high-powered car in the world.

A Better Car at a Lower Price

Tremendous mileage records achieved under gruelling conditions by numerous Big Sixes testify to the rugged durability of this chassis.

In Oklahoma Studebaker is the favorite car of the hard-driving men of the oil fields. They have found by experience that at a mileage when other cars are breaking up Studebakers are breaking in.

Every county in Arizona which has bought an automobile for its sheriff has selected a Studebaker—for these sheriffs must often pursue criminals straight across the desert or through tractless forests.

Arizona has great stretches of splendid highway where the view is clear, intersections are few and traffic sparse. Cars are driven at top speed hour after hour. Arizona has mountains and canyons where a car must climb over rocky trails to mines a mile above the paved highway.

On request we will send you a booklet entitled "The Arizona Sheriff," which contains stories of the adventures of those who pursue criminals to the most remote corners of "the Copper State" in Studebakers.

Studebakers stand up because they are not "assembled" but *manufactured* as a unit in Studebaker plants. Being built as a unit they function as a unit and yield scores of thousands of miles of excess transportation.

To the powerful engine and sturdy chassis Studebaker adds a body so staunchly built, so finely finished, that no car at any price excels it.



Studebaker Big Six Sedan

\$1995—freight and war tax extra

These superiorities are possible at the price for two reasons:

1. *Studebaker is the only manufacturer in the fine-car field equipped to make all its own bodies, engines, gear sets, springs, clutches, differentials, steering gears, axles, gray-iron castings and drop forgings. Thus, Studebaker eliminates from the price you pay, the extra profits and overhead of outside parts and body makers.*

2. *Unlike the other high-powered cars listed, the Studebaker Big Six benefits from the great economies incident to volume production. It is manufactured in company with two other chassis models in the finest plants owned by any individual manufacturer except Ford.*

The only American cars which exceed the Big Six in rated horsepower compare with it in price as follows:

STUDEBAKER BIG SIX

N. A. C. C. and S. A. E. rating—36.04
Price of 5-Pass. Sedan f. o. b. factory, \$1995
Car A—1% more power, \$3005 higher price
Car B—1% more power, \$3105 higher price
Car C—7% more power, \$5005 higher price
Car D—25% more power, \$6105 higher price
Car E—31% more power, \$7680 higher price
Car F—35% more power, \$4815 higher price
Car G—35% more power, \$7505 higher price

Not one of these manufacturers enjoys Studebaker's advantages of volume production. In spite of moderate prices to the purchaser, Studebaker engineering, construction and workmanship are unexcelled—even by the most expensive cars.

"No-Yearly-Models"

The Studebaker policy of "No-Yearly-Models" is a further protection to owners. Under this policy Studebaker cars are always up-to-date. Improvements are added from time to time, not saved up for spectacular annual announcements which make cars artificially obsolete.

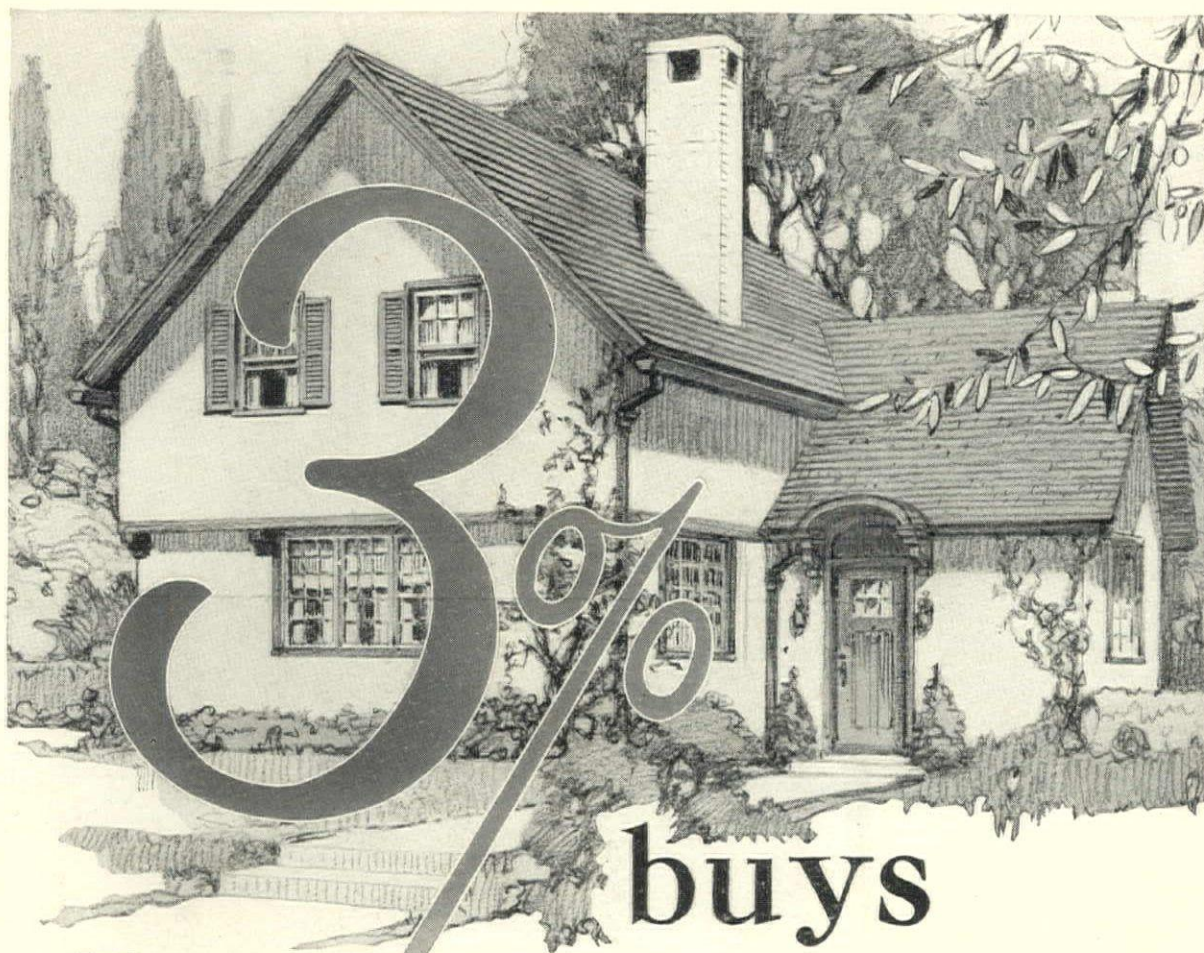
Any Studebaker dealer will be glad to demonstrate this Big Six 5-Passenger Sedan and finance its purchase at the lowest time payment rates known to the industry under Studebaker's Budget Payment Plan.

THE STUDEBAKER CORPORATION OF AMERICA, SOUTH BEND, INDIANA

HOUSE & GARDEN
January, 1926

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Vol. No. 49, No. 1



3% buys Rust Insurance

THE rusting of metal is the principal item in the staggering annual repair bill of American home owners. Last year the loss due to rust amounted to \$575,000,000—over three times the total fire loss.

You can insure your entire house against rust—inside and out—not only for one year, but for the life of the building, by using *pure* Copper flashings, gutters and downspouts; Brass Pipe for hot and cold water lines; Bronze Wire screens for doors and windows, and solid Brass or Bronze hardware and lighting fixtures.

Anaconda Copper is guaranteed 99.9% pure, which accounts for its exceptional durability,

and also for that of Anaconda Brass and Bronze—alloys so largely composed of Copper.

Anaconda metals will give you complete protection from rust as long as your house stands. They pay for themselves many times over because their use eliminates upkeep expense. When you build, remember, your house can be completely rust-proofed at an increase of less than 3% over the total cost of a house equipped with metals that rust.

This statement is based upon actual construction costs of houses varying in price from \$9,000 to \$23,000.

Descriptive literature gladly sent upon request.

THE AMERICAN BRASS COMPANY

GENERAL OFFICES: WATERBURY, CONNECTICUT

Offices and Agencies in Principal Cities

Canadian Mill: ANACONDA AMERICAN BRASS LTD., New Toronto, Ont.

ANACONDA COPPER

BRASS ANACONDA BRONZE

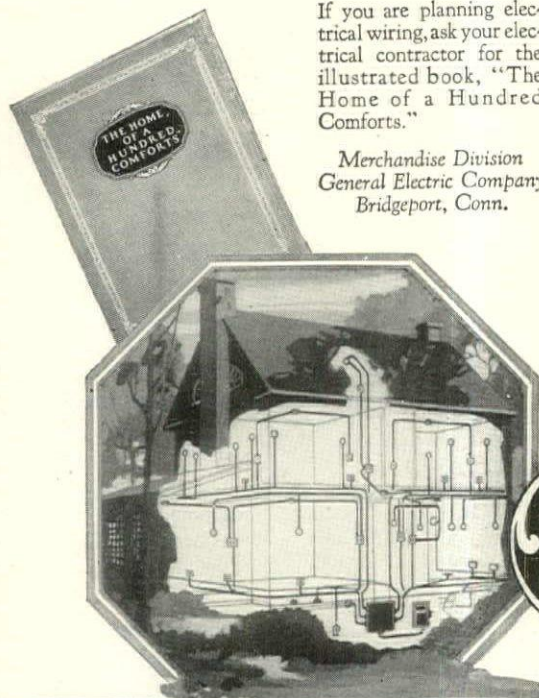




Quality wiring—for permanent comfort

If you are planning electrical wiring, ask your electrical contractor for the illustrated book, "The Home of a Hundred Comforts."

Merchandise Division
General Electric Company
Bridgeport, Conn.



EVEN people who know how important it is to plan a complete wiring installation sometimes forget that they must look to the quality of the materials inside the walls, too. For comfort and convenience, it is important to have enough outlets and switches. And it is just as important to have those outlets and switches—and the hidden wiring back of them—of quality to last as long as the house. That is why it pays, *always*, to have a G-E Wiring System throughout.

A G-E Wiring System means *complete* wiring. But it means more than that. It means knowing that every detail of the wiring material from cellar to roof bears the G-E mark of quality. It may cost a few dollars more—but it saves many dollars in the end. When materials are to be hidden under lath and plaster, you want to be sure they are put in to *stay*.



WIRING SYSTEM

—for lifetime service

GENERAL ELECTRIC

BUILD THE NATION SECURELY WITH
INDIANA LIMESTONE
The NATION'S BUILDING STONE

INDIANA LIMESTONE is the ideal building material for your home, for it fulfills every requirement of beauty and durability that is demanded of exterior walls. It is not a luxury, as some suppose. To the contrary, when used as a facing or veneer 4 inches in thickness over a backing of brick or hollow tile, it costs only five or six per cent more than a facing of brick.

In the house illustrated below, the **Old Gothic** variety of Indiana Limestone was used for the walls of the lower story and chimney. The detail of field work of the walls shows a mixture of stone having split face and roughly tooled surface finishes. It is laid up in a Random Ashlar style with fairly wide dark mortar joints which gives a general appearance of irregularity and provides a delightful contrast to the plain smooth finish Indiana Limestone trim used around the windows. **Old Gothic** Indiana Limestone is now obtainable in every city in the United States from local cut stone contractors.

Our Portfolio of House Designs, which is conceded to be the finest of its kind issued by any building material producer, will be sent upon receipt of 50 cents

We discourage cleaning Indiana Limestone buildings, since the venerable antique effect produced by weathering is conceded to be one of the great charms of natural stone. However, anyone determined to clean a stone building may obtain complete information on methods that will not destroy the surface of the stone, by writing to the Indiana Limestone Quarrymen's Association, Service Bureau, Bedford, Indiana.

INDIANA LIMESTONE QUARRYMEN'S ASSOCIATION

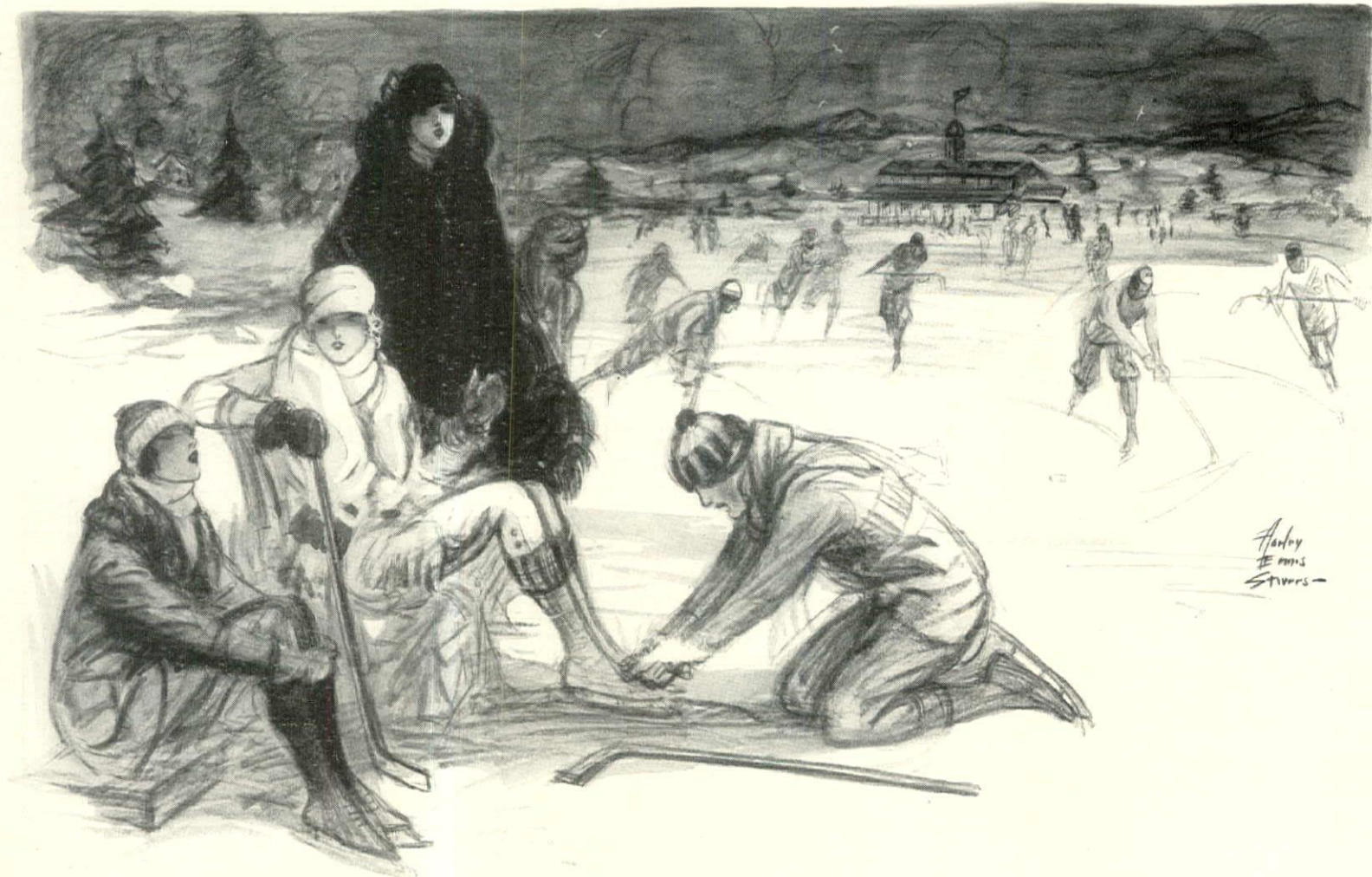
Box 782, Bedford, Indiana

Service Bureaus in New York and Chicago



John A. Rowe Residence
 Bedford, Indiana
 John Scudder Adkins
 Architect





FEET THAT ARE SMART AND COMFORTABLE

LENORE thrust out a slim foot that Tom might refasten the shoe lace which had again become untied.

Thanking him, she turned to the pretty girl beside her and said:

"Don't you think I skate pretty well for a beginner, Amy?"

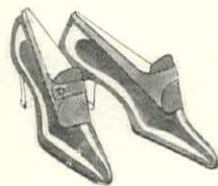
"A beginner!" Amy was astonished.

"Yes—I always fancied I had weak arches until Lola discovered I was wearing the wrong shoes. She told me that since she wore Ped-e-modes she'd never known a single foot ache."

"Were those stunning pumps you wore at the dance last night Ped-e-modes?"

"Yes—that's the lovely part of them—they're the smartest shoes I've ever worn, but they have a way of supporting your arch that's simply blissful."

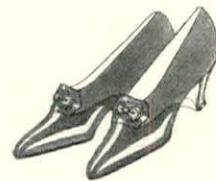
"I'm glad you told me—I've always thought you had to sacrifice comfort to be fashionable! Will you go with me to buy some when we get back to town?"



Restrained good taste and firm support lift this button pump from the usual. Newest shades and combinations.

Pedemode Shoes for Women

A crisptailored effect is given this pump by the leather buckle-bow. In the smart shades and combinations.



The Pedemode Shop

76 E. MADISON ST., CHICAGO

Cincinnati	Smith-Kasson Co.
Denver	Johnston Shoe Co.
Detroit	Ernst Kern Co.
Galveston	Robert I. Cohen, Inc.
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Johnstown, Pa.	Penn Traffic Co.
Milwaukee	Caspari & Virmond Co.

Pedemode, Inc.

570 FIFTH AVENUE, NEW YORK

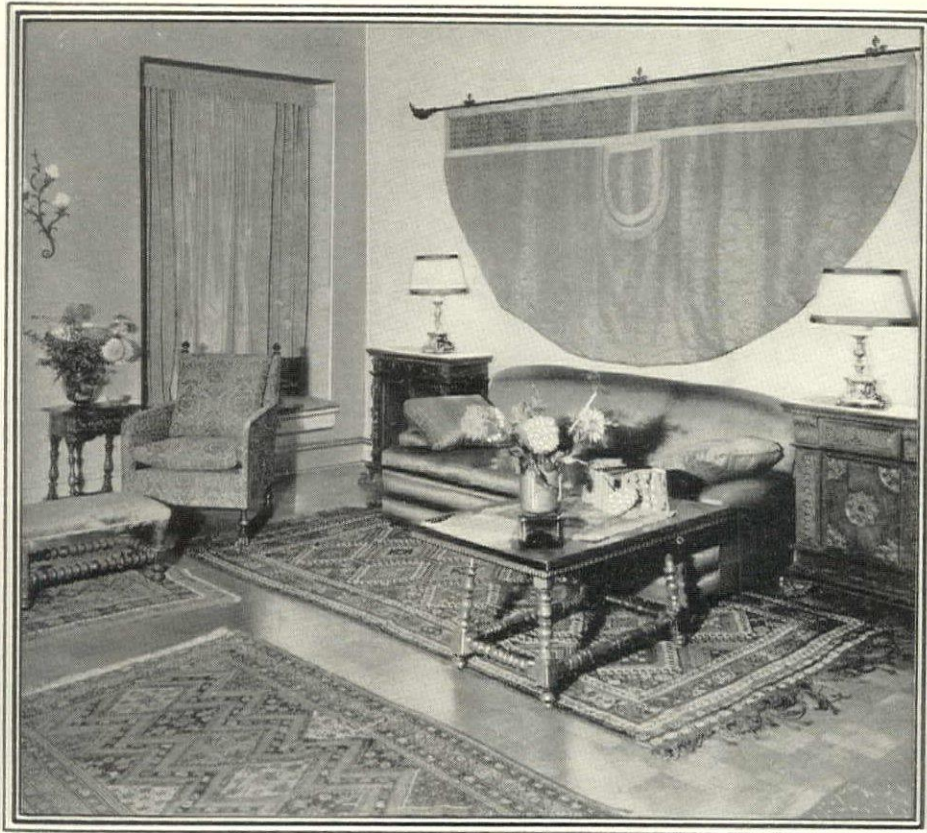
Newark	L. Bamberger & Co.
New York	L. Livingston
Oklahoma City	Kerr Dry Goods Co.
Omaha	Thomas Kilpatrick Co.
Pittsburgh	Joseph Horne Co.
Portland, Ore.	Knight Shoe Co.
Providence	F. E. Ballou Co.

The Pedemode Shop

1708 EUCLID AVENUE, CLEVELAND

Richmond	Seymour Sycle
San Francisco	City of Paris D-G Co.
Shreveport	Phelps Shoe Store
Spokane	Davenport Hotel Sport Shop
St. Louis	Stix, Baer & Fuller Co.
Toledo	Laubers
Wheeling	George R. Taylor Co.

JULIUS GROSSMAN, INC., BROOKLYN, N. Y.



Showing the use of fine Orientals in one of the Home Interiors on the Sixth Floor

ORIENTAL RUGS

Lend rich tones to a room

THE PRESENT VOGUE for brilliant color in the home has created an increasing use of fine Oriental rugs. Their rich, glowing colors and figured patterns make an effective foil for plain-colored walls and hangings. Our recently enlarged collection has many excellent examples of the rugs of Persia, China, India and Turkey in a wide variety of designs, colors and sizes, from small mats to extra sizes.

FIFTH FLOOR

Lord & Taylor

FIFTH AVENUE · NEW YORK



THROUGH THE DUO-ART ALL MUSIC COMES. MUSIC FROM THE RECITAL STAGE, THE OPERA, THE MUSICAL COMEDY, THE CABARET, IS GATHERED BY THIS GREAT INSTRUMENT AND BROUGHT TO THE FIRESIDE.

"The Duo-Art far surpasses any other similar instrument in musical value and in repertoire. In my estimation, the Duo-Art is of utmost significance to music study, whether the aim be simply an understanding and appreciation of the beauties of music, or a determination to make a life struggle to master the art."

Signed—I. J. PADEREWSKI

THE Duo-Art provides not simply music, but music of a peculiarly precious kind—the actual performances of great artists. Pianists from every field—great concert artists like Paderewski and Josef Hofmann—celebrated dance pianists, accompanists, popular artists—all contribute. The records that they make in form of music rolls are swift messengers who summon to the Duo-Art any pianist you may choose to hear.

"During the past few months I have had a Duo-Art in my home and my enthusiasm for this wonderful instrument has increased as my familiarity with it has grown. One thing is certain: in the reproduction of my own playing the Duo-Art is so far superior to any other instrument of its kind there can be no real basis for comparison."

Signed—JOSEF HOFMANN

The DUO-ART

in

GREAT BRITAIN

THE Duo-Art Reproducing Piano is known today throughout the entire civilized world. It has won the respect of the musicians and musical authorities of the different nations, and enjoys the high regard of the public in every community.

The attitude of the people of Great Britain toward the Duo-Art is typical. Here it is to be found in the homes of all classes, including those of most prominence.

It has been signally honored by being used as solo instrument at concerts given by the leading Symphony Orchestras under such celebrated con-



*A Partial List of
Patrons of The Aeolian Co.
in England*

H. M. THE QUEEN
H. R. H. THE PRINCE OF WALES, K. G.
THE DUKE OF SUTHERLAND
THE MARQUIS OF BLANDFORD
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THE EARL OF PLYMOUTH, K. G.
THE COUNTESS OF HARDWICKE
THE EARL OF LONDESBOROUGH
THE EARL OF MINTO
THE VISCOUNT OF BURNHAM
THE LORD HAMPTON
THE LORD KILLANIN
THE LORD INCHQUINN
THE LORD HOWARD DE WALDEN
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LADY LILIAN JONES
LADY C. E. MOWBRAY
LADY ROSEBERRY
LADY BALFOUR
LADY BEAVERBROOK
THE HON. CHARLES WINN

ductors as Sir Henry J. Wood, Sir Hamilton Harty, Felix Weingartner, etc.

It has been adopted as standard teaching equipment in the foremost educational institutions such as The Royal Academy of Music, The Royal College of Music, The Guildhall School of Music, and others.

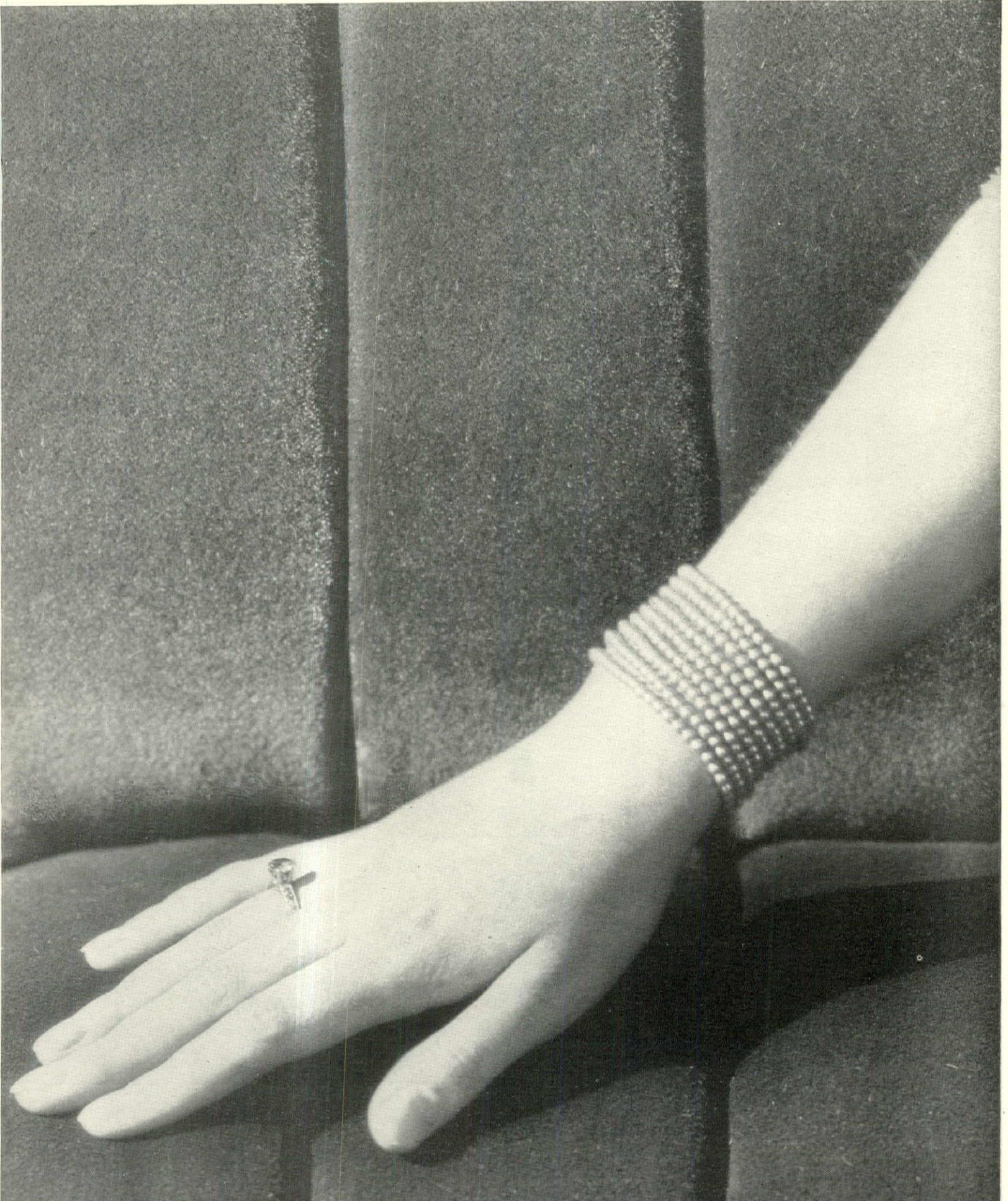


The universal esteem in which the Duo-Art is held indicates in some measure its value and importance. No person in America, where this great instrument originated, can afford to remain in ignorance of the extraordinary advantages which have brought it such world-wide popularity.

The Duo-Art is obtainable in the
STEINWAY - STECK - WHEELOCK - STROUD
AEOLIAN and world-famous WEBER
GRAND AND UPRIGHT PIANOS

The AEOLIAN COMPANY
Aeolian Hall, New York

LONDON + PARIS + MADRID + MELBOURNE + SYDNEY



C & A PLUSH



Let your fingers tell why—

Plush upholstery, even though the most expensive item within the closed motor car, is used by Automobile Manufacturers who forget price in their desire to give the car owner the fabric that is—

1. The coolest in summer
2. The warmest in winter
3. The easiest to clean
4. The most beautiful
5. The most comfortable
6. Preferred by most women
7. The most durable
8. Fast color and does not harm clothing
9. Sure to bring a higher used car value and resale price
10. Least troublesome to the service man

The majority of motor car manufacturers exhibiting at the National Automobile Shows are users of C & A plush.

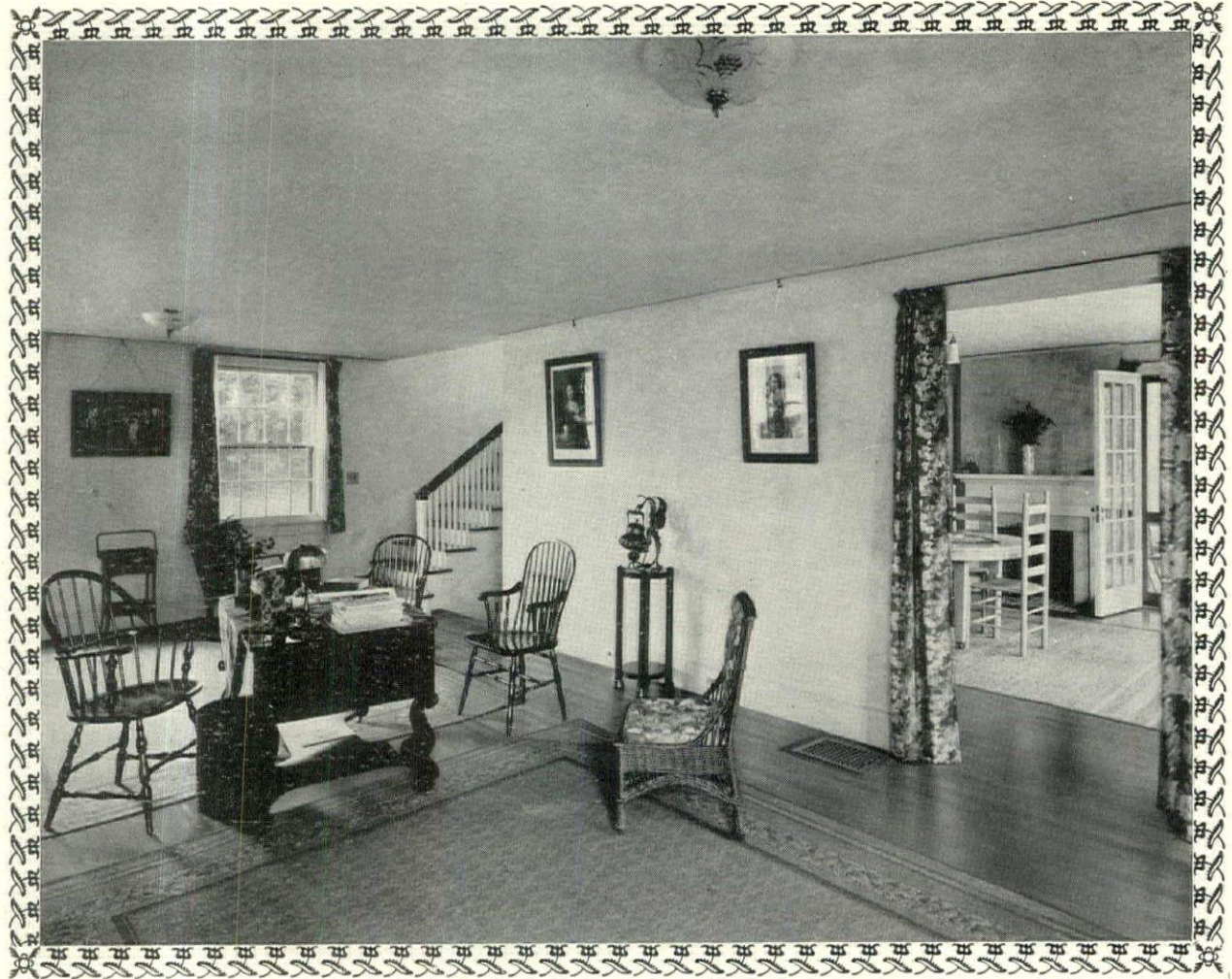
Send for free copy of "The Plush Primer." It contains reasons why plush upholstery will give you greater value per dollar expended than any other motor car upholstery. In addition it also contains a list of motor cars upholstered in C & A plush.

COLLINS & AIKMAN

Established 1845

NEW YORK, N. Y.

C & A PLUSH



A floor like this enhances the value of any house

The first thing folks notice is the condition of the floors

YOUR HOUSE may never be offered for sale, but it is gratifying to know that it will always command the top price.

The best floor you can lay, costs no more than a poor one, but an ordinary floor will depreciate the value of a house many times the cost of the floor.

For your own pleasure, as well as profit, take the matter of the floor seriously. Ask your architect or contractor about "Perfection" Brand Oak Flooring.

Either will tell you that there is a certain texture and beauty of pattern in "Perfection" unexcelled by any other oak flooring. You can see for yourself

how perfectly each strip matches with the other.

"Perfection" takes a finish that will tempt you to leave large expanses uncovered. The mellow ground color will enhance the beauty of your furnishings. A "Perfection" floor will never need replacement and will be a legacy your children's children will be proud of and enjoy.

If you do not readily find the lumber dealer who carries "Perfection," write us. We will give you his name and send you a copy of "The Overlooked Beauty Spots in Your Home." It's a delightful booklet with many pertinent facts.

ARKANSAS OAK FLOORING CO.

Pine Bluff, Ark.

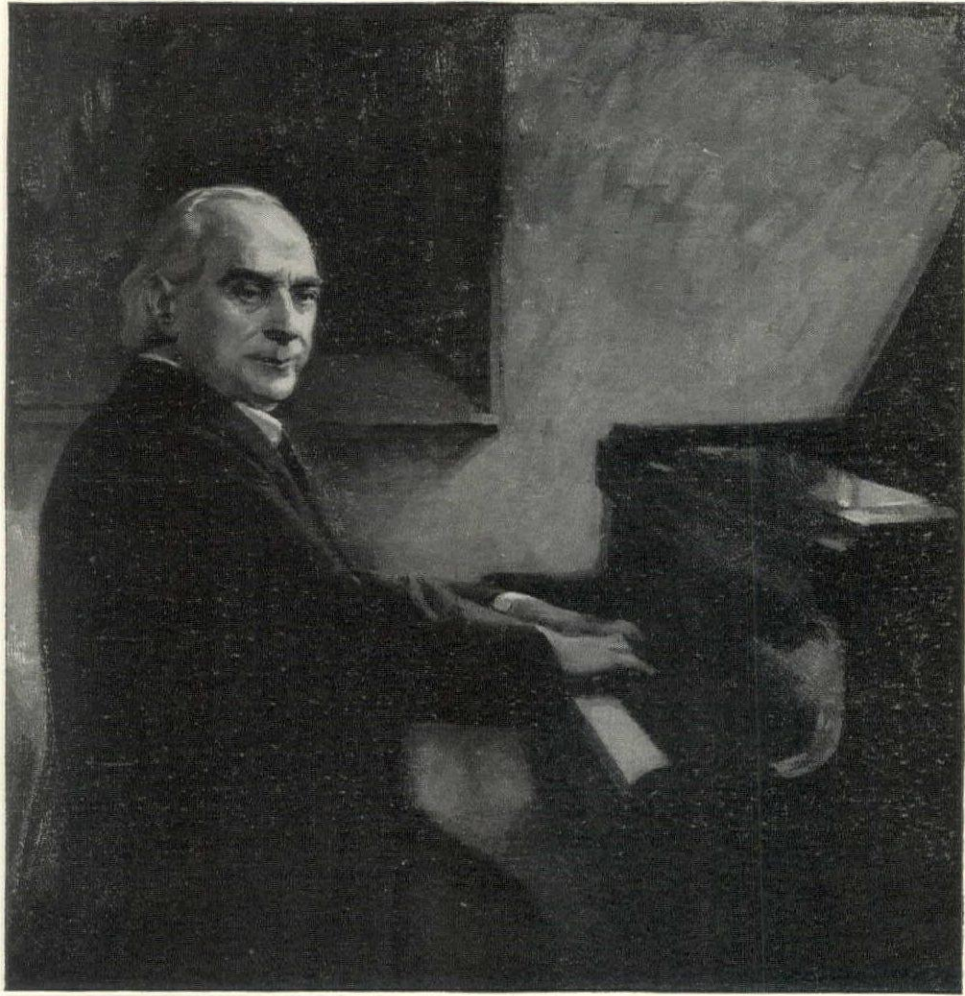


Reg. U. S. Pat. Off.

'PERFECTION'
BRAND OAK FLOORING



CHOOSE YOUR PIANO AS THE ARTISTS DO



FOR A GENERATION DE PACHMANN HAS USED THE

Baldwin



THE BALDWIN responds, like a human being, to every mood. It sings joyfully when I feel like singing. It cries when I feel like crying," exclaims VLADIMIR DE PACHMANN, great interpreter of Chopin, unrivalled lyric pianist.

For its enduring purity and resonance, for its perfect concord of tone and action, the *Baldwin* is the

choice of exacting musicians the world over — on the concert stage and in the home.

In any *Baldwin* you will find a new revelation of your musical dreams. Visit the Baldwin dealer near you.

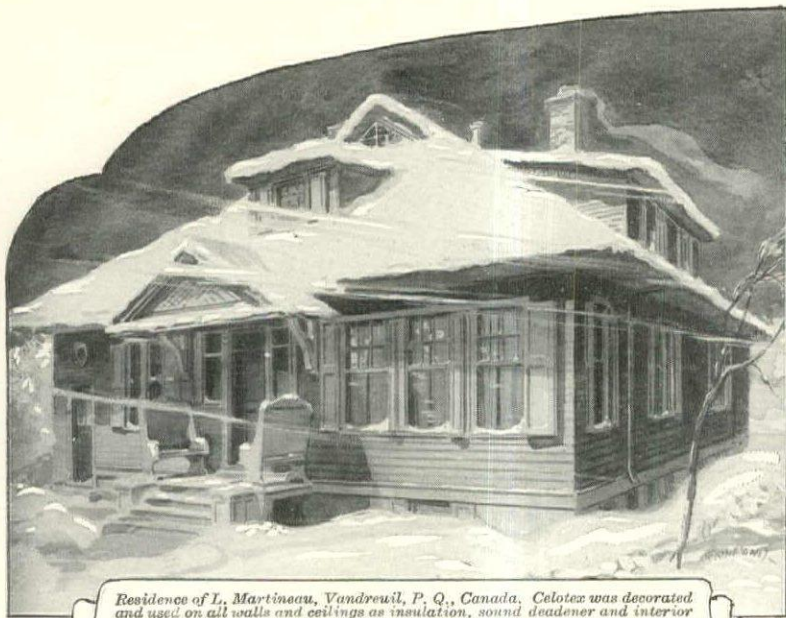
BALDWIN Uprights, \$850 and up; Grands, \$1400 and up; Reproducing Models, \$1850 and up.

Convenient payments if desired.

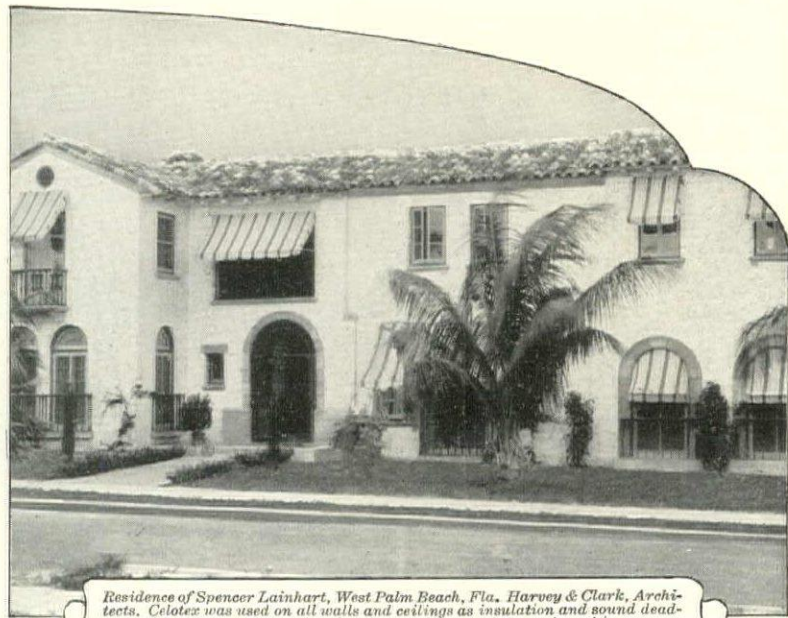
A SUGGESTION

Choose *YOUR* piano as the artists do. The book, "How Artists Choose Their Pianos," will help you in selecting the instrument for your home. We will be glad to send you a copy free. Address

THE BALDWIN PIANO CO.
CINCINNATI, OHIO



Residence of L. Martineau, Yandreuil, P. Q., Canada. Celotex was decorated and used on all walls and ceilings as insulation, sound deadener and interior finish. This home is warm in winter.



Residence of Spencer Lainhart, West Palm Beach, Fla. Harvey & Clark, Architects. Celotex was used on all walls and ceilings as insulation and sound deadener with plaster applied directly to its surface. This home is cool in summer.

Warm in January yet Cool in August

{ Enjoy all-year comfort in your home }
 with Celotex Insulating Lumber }

THE day of the old-style, heat-leaking house is past. Home builders no longer put up with houses that are chilly and draughty in winter (in spite of big fuel bills) and hot and stuffy during the summer.

They don't have to! Modern homes are insulated with Celotex Insulating Lumber, at no extra building cost.

Celotex stops heat waste

Tests show that one-third of the heat generated to warm the old style, uninsulated house is wasted. It passes right through the walls and roof—just as radio waves do.

But Celotex stops heat. It means warm, cheerful coziness indoors when January's icy wind roars outside. And it means cooler, more restful rooms during the blistering days and sweltering nights of midsummer.

Other Celotex benefits

Celotex homes are more healthful—free from draughts and cold floors. Because Celotex is an effective sound-deadener, a restful, nerve-relaxing quiet will pervade this Celotex home of yours.

Celotex construction makes your home modern, as well as stronger. It insures the future resale value of that home.

In addition, Celotex saves 1/3 of your fuel bill and permits the use of a smaller, less expensive heating plant.

Why Celotex comfort costs no more

You can have this Celotex comfort at no more than the cost of ordinary construction. Because wherever used—as sheathing, or inside the house, where plaster is applied directly to its surface—Celotex takes the place of wood lum-

ber or some other material and any form of insulation. Celotex is the only insulating material that is not an extra.

Get all the facts

Ask about Celotex before you build or buy a home.

If you are going to build, use Celotex. It is available everywhere. Your architect, contractor, or lumber dealer will explain its uses fully—ask him to tell you about Celotex.

If you are going to buy a completed home, insist upon one built with Celotex.

New building book FREE

Send coupon below for our free building book, fully illustrated in color. It contains information every home owner should have.

THE CELOTEX COMPANY, CHICAGO, ILLINOIS
 MILLS: NEW ORLEANS, LA.

Branch Sales Offices: (See telephone books for addresses)

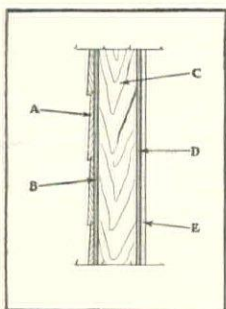
Boston	Denver	Kansas City	Milwaukee	New York	Salt Lake City	Spokane
Cleveland	Detroit	Los Angeles	Minneapolis	Philadelphia	San Francisco	St. Louis
Dallas	Jacksonville	Miami	New Orleans	Portland, Ore.	Seattle	St. Paul
			London (Eng.)			

Canadian Representatives: Alexander Murray & Company, Limited
 Montreal Toronto Halifax Winnipeg Vancouver

CELOTEX

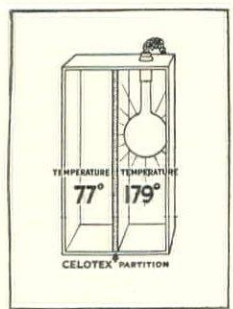
INSULATING LUMBER

© 1925, The Celotex Co.



A. Clapboards, brick or stucco.
 B. Celotex Insulating Lumber.
 C. Studding or framework.
 D. Celotex Insulating Lumber.
 E. Plaster.

Application of Celotex Insulating Lumber: (B) in outside walls as sheathing. And (D) on inside walls.



Note this actual test. A Celotex box is divided in half by a layer of Celotex. The right half is heated by an electric lamp. After one hour the left half is 102° cooler. In the roof and walls of a house, Celotex keeps heat IN during the winter, OUT in summer.

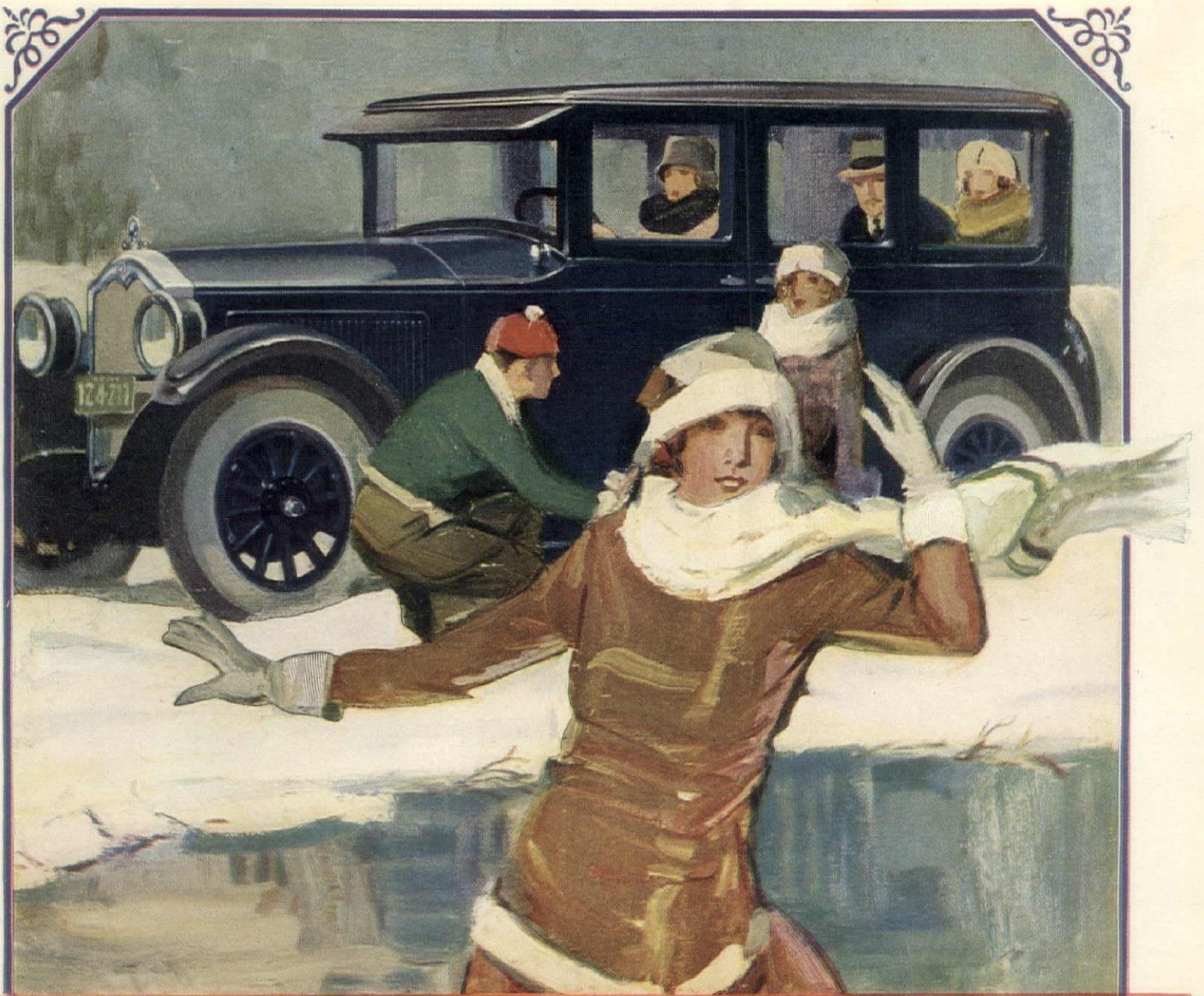
FREE Building Book

The Celotex Co., Dept. M-21
 645 N. Michigan Ave., Chicago, Ill.
 Please send your free illustrated building book.

Name

Street

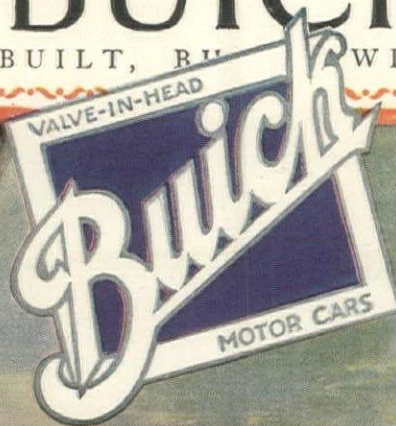
City State

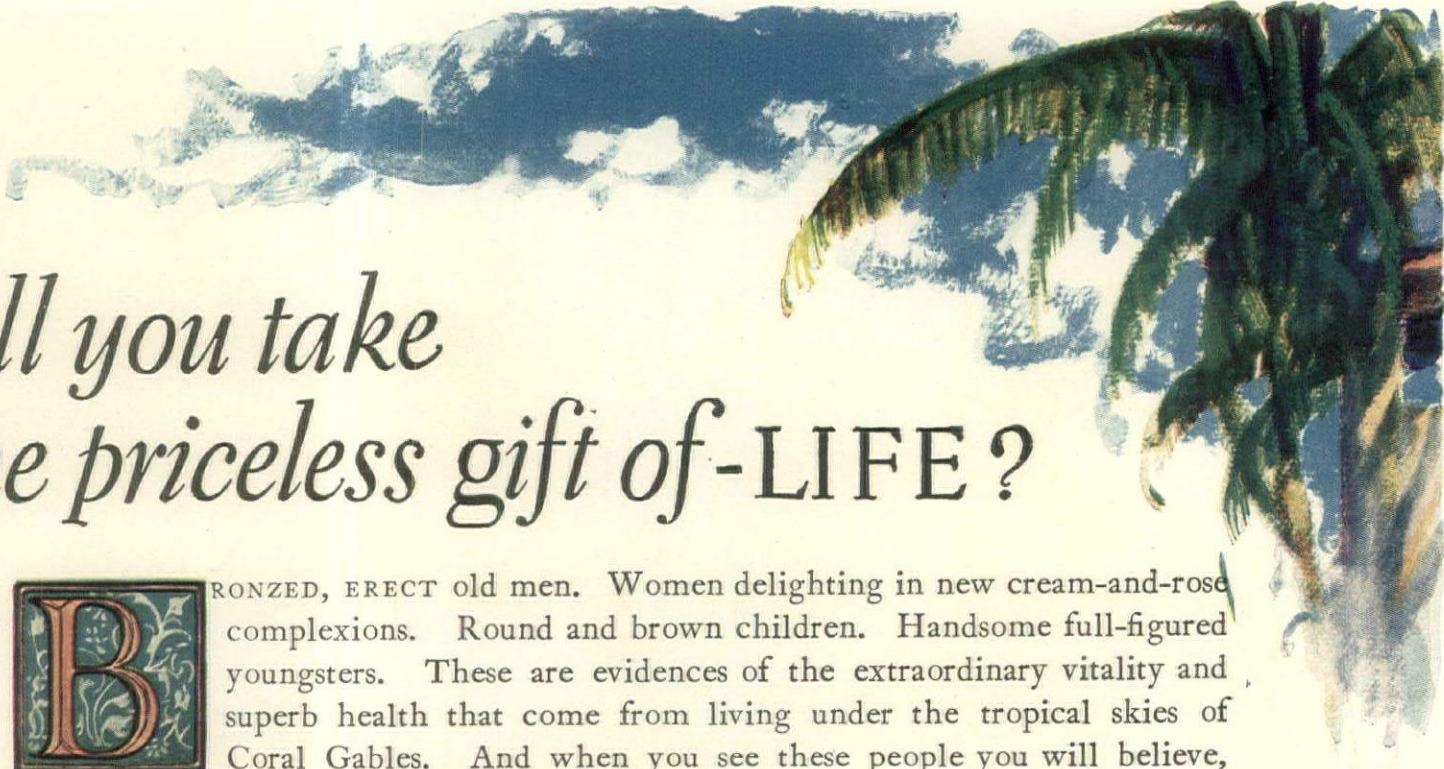


☞ ☞ ☞ Buick builds motor cars on sound principles developed through twenty-one years of extraordinary engineering research and experience. Deep-rooted excellence underlies the spectacular success of the Better Buick.

the better BUICK

WHEN BETTER AUTOMOBILES ARE BUILT, BUICK WILL BUILD THEM





Will you take the priceless gift of-LIFE?

BRONZED, ERECT old men. Women delighting in new cream-and-rose complexions. Round and brown children. Handsome full-figured youngsters. These are evidences of the extraordinary vitality and superb health that come from living under the tropical skies of Coral Gables. And when you see these people you will believe, as we do, *that the only American tropics will add years to your life, and will add new pleasures and delights to each year.*

CORAL GABLES, Miami's most beautiful suburban city, is planned to give space and air, sun and breeze to every inhabitant. The magnificently wide avenues and plazas open the city to the cool, spicy trade-winds. The tropical planting and the forests temper, but never obstruct, the life-giving sun. The white sand beaches offer miles of sea-bathing that is as safe and pleasant as anywhere in the world. All that you seek in recreation is at your door. The peace and quiet, the freedom from noise and crowds, take away the lines from strained faces. Troubles have a way of disappearing at Coral Gables. Life becomes active, colorful and healthful.

Property Values are Rising. Investments are Paying Remarkable Dividends

Under the wonderful city plan and the careful restrictions, property values tend to increase steadily and surely.

Home-builders are even now watching their property rise in value month by month. Every buyer of property in Coral Gables literally cannot help sharing in the profits that attend every step in the development of the city plan, and in the prosperity that is so rapidly transforming Miami and its environs.

The Coupon Will Bring You Rex Beach's Dramatic Story—Free

REX BEACH has written a fascinating tale about the miracle of Coral Gables. It not only tells the complete story of this city, but also contains the facts and figures that prove its success. We will also tell you about the special trains and steamships that we run to Coral Gables at frequent intervals. If you should take one of these trips, and buy property in Coral Gables, the cost of your transportation will be refunded upon your return. But first of all—*sign and mail the coupon—now!*

Remarkable Opportunity for Investment

The 1920 census showed a growth in Miami's population of 440 per cent in ten years. Since then it has increased even more rapidly. Bank clearances today are ten times those of a year ago. Every activity feels the stimulus of this tremendous growth, and especially is it manifested in the increase of property values in the city and suburbs. In Coral Gables the value of home and business sites has increased amazingly every year for the past three years.

Yet building plots in Coral Gables may now be secured by a small initial investment. These plots are offered in a wide range of prices, which include all improvements such as streets, street lighting, electricity and water. Twenty-five per cent is required in cash, the balance will be distributed in payments over a period of three years.

The Facts About Coral Gables

Coral Gables is a city, adjoining the city of Miami itself. It is incorporated, with a commission form of government. It is highly restricted. It occupies about 10,000 acres of high, well-drained land. It is four years old. It has 100 miles of wide paved streets and boulevards. It has seven hotels completed or under construction. It has 45 miles of white-way lighting and 50 miles of intersectional street lighting. It has 6½ miles of beach frontage. Two golf courses are now completed, two more are building. A theatre, two country clubs, a military academy, public schools, and the College for Young Women of the Sisters of Saint Joseph are now in actual use. More than one thousand homes have already been erected, another thousand now under construction. Thirty million dollars have already been expended in development work. Additional plans call for at least twice that amount. Seventy-five million dollars worth of property has already been bought in Coral Gables.

Mr. John McEntee Bowman is now building the ten-million-dollar hotel, country club and bathing casino in Coral Gables to be known as the Miami-Biltmore Group. The Miami-Biltmore Hotel will be opened about January, 1926. Coral Gables will also contain the following buildings and improvements:

The \$15,000,000 University of Miami, the \$500,000 Mahi Temple of the Mystic Shrine, a \$1,000,000 University High School, a \$150,000 Railway Station, a Stadium, a Conservatory of Music, and other remarkable projects.

CORAL GABLES CORPORATION

H.G. 38

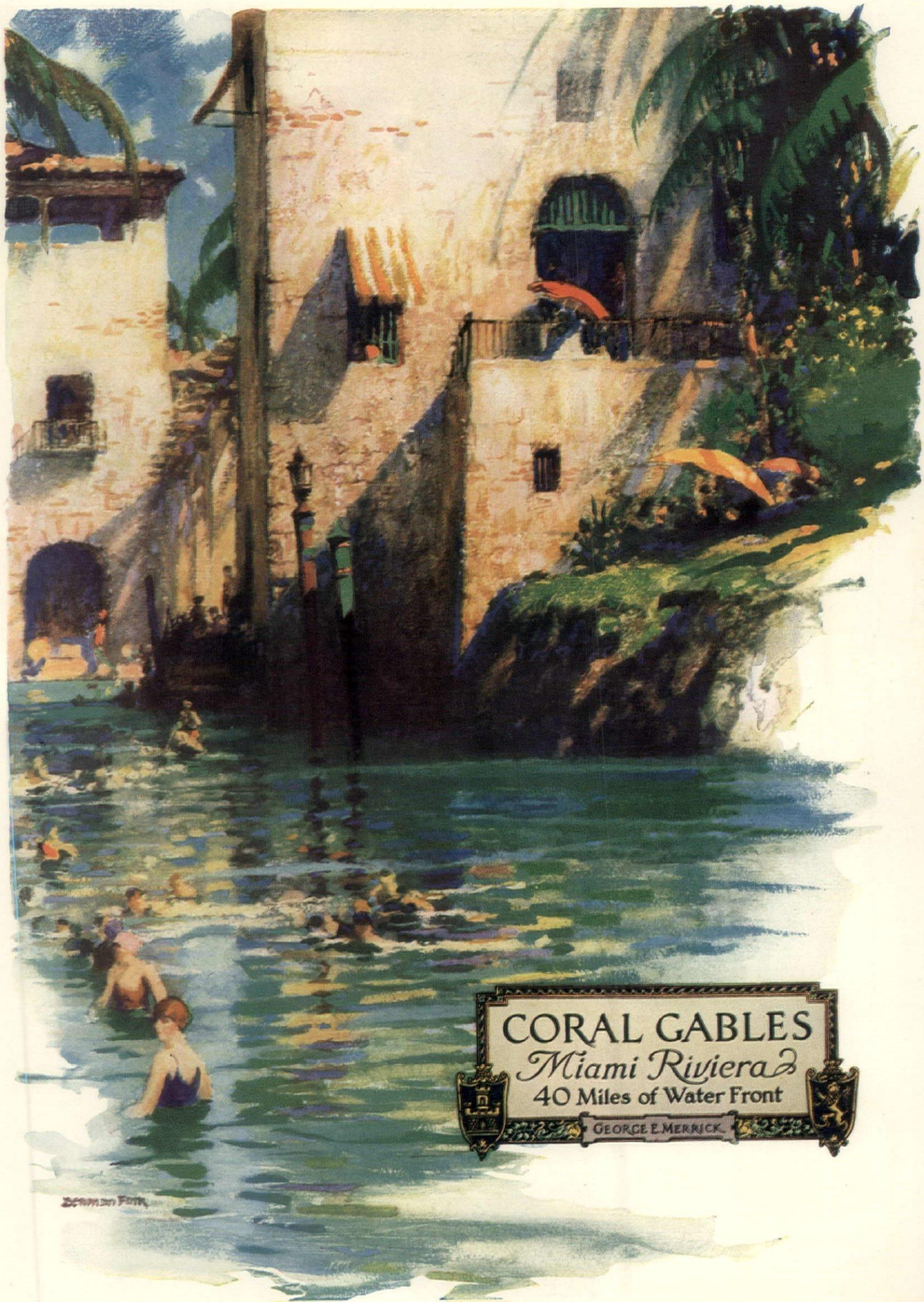
Administration Bldg., Coral Gables, Miami, Florida

Please send me Rex Beach's story upon the miracle of Coral Gables. I understand that this places me under no obligation.

Name _____

Street _____

City _____ State _____



CORAL GABLES
Miami Riviera
40 Miles of Water Front
GEORGE E. MERRICK

SCOTT & BOWNE

The NEW DUCO-PERIOD in FURNITURE in which the design and materials no longer outlast the Finish



*Du Pont Duco marks the period
of an Enduring Furniture Finish*



*Constant rubbing and polishing
have now given place
to simple washing . . .*

THE guests are gone. The tastefully set table has earned its goodly share of admiration. The softly lustrous beauty of its satiny smoothness has been a pleasant setting for the steaming dishes and gleaming silver upon it.

If furniture is finished with Duco, no mars are left behind as the penalty of hospitality. No longer does furniture require frequent hard polishing and, perhaps, refinishing. Even a spilled cup of boiling coffee is no misfortune. Just simple soap and water remove every spot and ring and stain.

In the new Duco-Period, the furniture you buy today lives on in its original newness and beauty . . . a cherished heirloom of many tomorrows.

FURNITURE is finished with genuine du Pont DUCO by many manufacturers; among whom are the following. For information, address E. I. du Pont de Nemours & Co., Inc.,

Abernathy Furniture Co.
Active Furniture Co.
Allegan Furniture Shops
Amberg File & Index Co.
Art Metal Construction Co.
Automatic File & Index Co.
Baker & Company
S. Bent & Bros.
Bombaywood Willow Furn. Co.
Bradley-Wenver Co.
Brickwede Bros.
Burt Brothers, Inc.
Butler Manufacturing Co.
Cappel Furniture Co.
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Claes & Lehnbeuter Mfg. Co.
Colonial Furniture Co.,
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Colonial Mfg. Co.,
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Conrades Manufacturing Co.
Continental Piano Co.
Crown Chair Co.
Davis-Birley Table Co.
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Doten-Danton Desk Co.
H. D. Dougherty Co.
Easton Furniture Mfg. Co.
Empire Chair Co.
Englewood Desk Co.
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F. S. Harmon Co.
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Chemical Products Division, Parlin, N. J., Chicago, Ill., San Francisco, Cal., or Everett, Mass.; Flint Paint & Varnish Limited, Toronto, Canada.

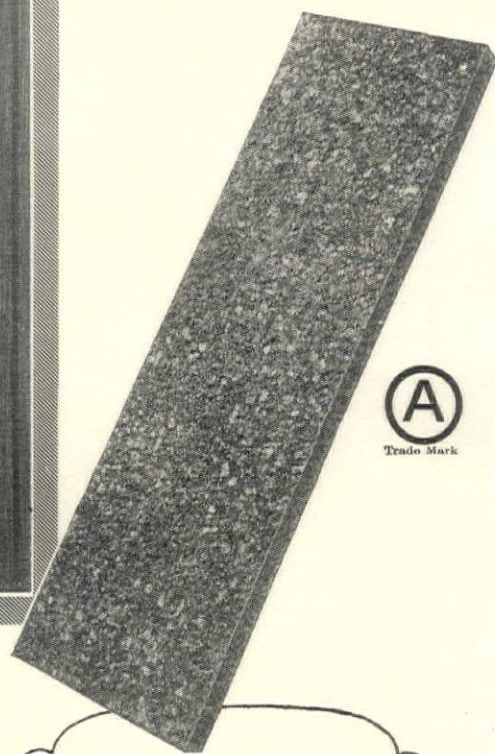
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Jasper Office Furniture Co.
John Knoell & Sons
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Level Furniture Co.
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John J. Madden Co.
Maher Brothers
Martin Furniture Co.
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Prestonia Manufacturing Co.
Raven Radio, Inc.
M. Reichmann & Sons
Schirmer Furniture Co.
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Showers Brothers
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Superior Cabinet Co.
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Wilhelm Furniture Co.
Wilmarth Show Case Co.



There is only ONE Duco — DU PONT Duco

Armstrong's Corkboard is made of pure cork in boards 12 inches by 32 or 36 inches— from 1 to 3 inches thick.



Do You Have to Dress in the Bathroom?

WINDOWS down and furnace drafts open, yet the bedrooms are still cold. Is your house like this? Don't blame the furnace. If the walls and roof were insulated properly, the whole house would come up to a comfortable temperature quickly.

Quick heating is just one of the advantages of insulating your house with Armstrong's Corkboard. Uniform heating is another, and economical heating a third. Armstrong's Corkboard makes walls and roofs practically impervious to heat, and stops the wasteful leakage that makes average houses so difficult and expensive to keep comfortably warm. Lined with Armstrong's Corkboard, 1½ inches thick on the exterior walls and 2 inches thick on the roof, the house is protected against outside temperatures, winter and summer, to a degree that cannot be accomplished with ordinary building materials.

Armstrong's Corkboard can be easily erected in any type of construction, and at a cost within the range of the moderately priced home. For cork insulation makes possible economies that cannot be realized in an uninsulated house—a material reduction in the size of the heating plant that cuts the net cost of the insulation to a very low figure, and fuel savings that repay the cost entirely in a few years.

Would you like to know more about the use of Armstrong's Corkboard in dwelling construction? Just mail the coupon to Armstrong Cork & Insulation Company (Division of Armstrong Cork Company), 193 Twenty-fourth Street, Pittsburgh, Pa. In Canada, McGill Building, Montreal. In London, Armstrong Cork Company, Ltd., Sardinia House, Kingsway, W.C. 2.

Branches in the Principal Cities

Armstrong's Nonpareil Corkboard Insulation

for Residential, Commercial and Industrial Buildings

An Excellent Nonconductor of Heat. Armstrong's Corkboard contains millions of microscopic cells, each one sealed by nature and containing entrapped air—the best insulation known except a vacuum.

Nonabsorbent and Sanitary. Armstrong's Corkboard will not absorb moisture and needs no furring strips. It does not mold, rot or provide harboring places for rats, mice or vermin. It lasts as long as the house.

Structurally Strong and Easy to Install. Armstrong's Corkboard is strong in structure and is easily nailed in place in frame buildings or readily set in Portland cement mortar against brick or tile.

An Excellent Base for Plaster. Armstrong's Corkboard takes and holds plaster permanently. No lath is required since the plaster keys firmly into the surface of the corkboard.

Slow-Burning and a Fire Retardant. Armstrong's Corkboard is slow-burning and a positive fire-retardant. It does not smolder or carry fire.

Reasonable in Cost. Armstrong's Corkboard is not high priced and is economical to install. Furthermore, its use makes possible a considerable reduction in the size of the heating plant and effects savings of 25% to 30% in fuel.

Armstrong Cork & Insulation Company,
193 TWENTY-FOURTH ST., PITTSBURGH, PA.
or MCGILL BLDG., MONTREAL, QUEBEC

GENTLEMEN—You may send me complete information about the insulation of dwellings with Armstrong's Corkboard.

Name.....

Address.....

Three rooms — and it's Bruce Oak Flooring

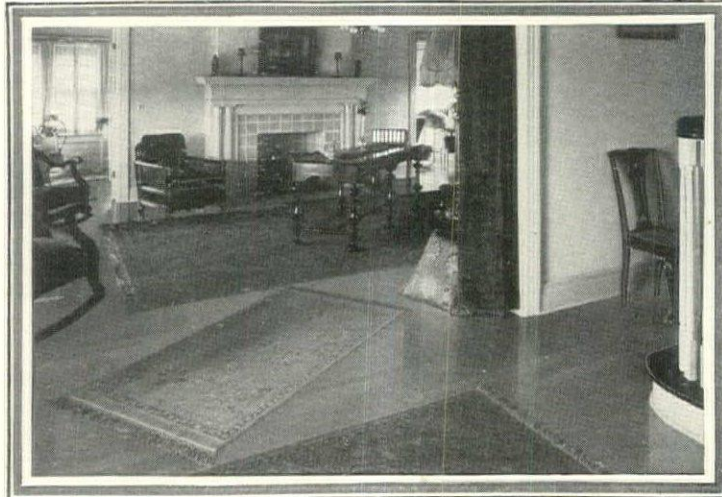
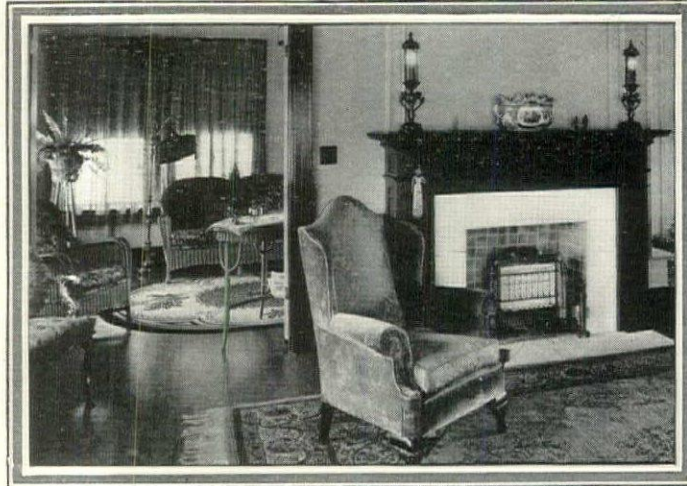
Three intimate glimpses into a well furnished home:

—the dining room, across a beautiful expanse of Bruce oak flooring, reflecting the lines of graceful furniture, holding in its lustrous surface the captivating play of light and shade.

—a corner of the sun room, with its atmosphere of inviting ease and comfort, enriched by Bruce oak flooring.

—the living room and hallway, substantial and dignified, its appointments founded on sturdy and enduring Bruce oak flooring, which becomes a decoration in itself, and the proper and colorful background for rugs and hangings.

Let us tell you more fully about the beauty, comfort and economy of Nature's own product, made by Bruce with all the care its value demands, its cost within reach of the most modest purse. Write for beautifully illustrated booklets, demonstrating the interesting variety possible through different treatment of different rooms.



The sturdy growth of centuries is transformed by hand of man to provide matchless oak flooring — cleanly, permanent and ever beautiful.

This label appears on all bundles of Bruce oak flooring.

BRUCE

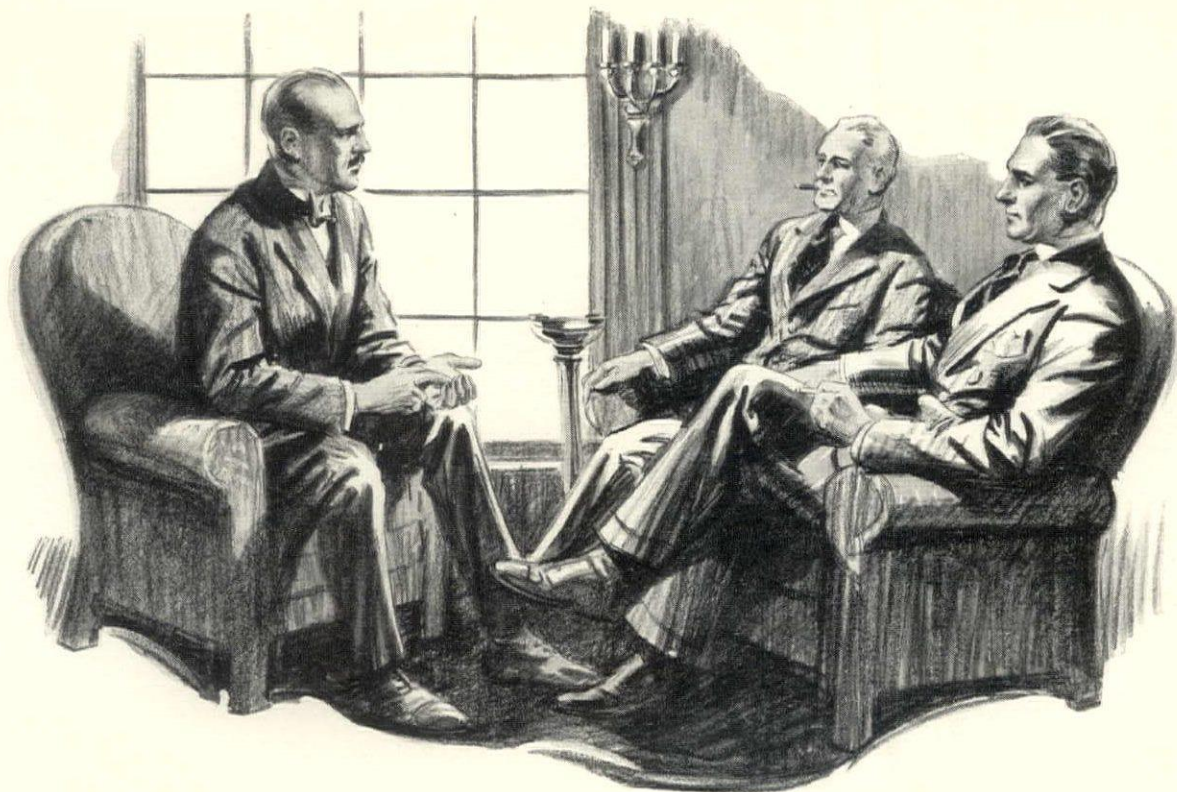
Bruce oak flooring, and Bruce "Cedar'line", aromatic Tennessee cedar lining for clothes closets, are sold nationally through lumber dealers everywhere.



THIS book tells you about the convenience, economy and attractiveness of Bruce oak flooring. The ease with which it may be kept clean and bright; the enduring qualities; the increased value added to your home; appropriate use of various grades and widths, with practical suggestions for different rooms; distinctive effects which may be obtained from color finishes. 24 pages of interesting facts, fully illustrated. Write today for your free copy.

E.L. BRUCE COMPANY
MEMPHIS TENNESSEE

LARGEST MAKERS OF OAK FLOORING IN THE WORLD



“How many tons do you burn a year?” asked one
... and that started a discussion
of the cost of heating

“HEATING certainly takes a wallop at my check book,” said Deming. “It’s the biggest expense I have,” Williams remarked.

But MacDonald leaned back in his chair with an affable smile and said, “Last year I saved enough coal to buy one of the finest radio sets made. Two years ago I saved enough to fit up one of the attic rooms as a study I have always wanted. As I see it, there is no reason why you men, or why any man, cannot do the same.”

MacDonald was right. Whether you already own a home or whether you are about to build, you can save money with an H. B. Smith Boiler.

The secret is in having enough Fire Surface, Properly Rated. When you burn coal, a certain amount of heat is liberated. The great question is, “Where does the heat go; into your house or up the chimney?” The answer depends upon the boiler.

**Can you save money
with an oil burner?**

AN UNDER-SIZED, over-rated boiler can be made to heat a house with an oil burner, but only at tremendous waste. With an oil burner you get

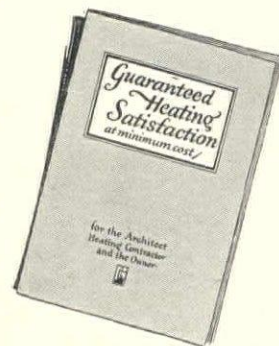
more perfect combustion than you do with coal. You get a far more intense heat, which an over-rated boiler cannot handle efficiently.

If there is a difference in the efficiency of two boilers when coal is the fuel, their difference in efficiency will be still farther apart when oil is the fuel. In other words, oil tends to show up an inefficient boiler.

The only way you can save money with an oil burner is with a boiler that has enough Fire Surface to absorb the intense heat of the oil fire.

Thousands of men who have this year replaced inefficient boilers with H. B. Smith boilers, are going through the winter for the first time in the enjoyment of care-free operation and of a saving in cost. It will pay you to investigate. It will even pay you to junk an inefficient boiler and put in an H. B. Smith. Ask your Architect, Engineer or Heating Contractor about us.

The H. B. Smith Company was the Pioneer of the boiler industry, and was the first to establish scientifically the facts about Fire Surface and Rating. An H. B. Smith Boiler, during the course of its long life, will save its own cost many times, no matter what kind of fuel you burn.



**Send for free copy
of this book**

“GUARANTEED Heating Satisfaction at Minimum Cost,” is the title of a new 32-page book which we have recently published. It contains the A.B.C.’s of boiler efficiency—the practical application of scientific research, which your architect, engineer or heating contractor can help you apply to your own needs. We will gladly send you a copy free and with no obligation. Mail the coupon below to The H. B. Smith Company, Dept. K-1, Westfield, Mass.

**THE H. B. SMITH
BOILERS & RADIATORS**

Used in fine homes and buildings since 1860

THE H. B. Smith Boilers for steam, hot water, and vapor heating; radiators; and hot water supply boilers; for every type and size of private home, office building, factory and public building.

• MAIL THIS COUPON •

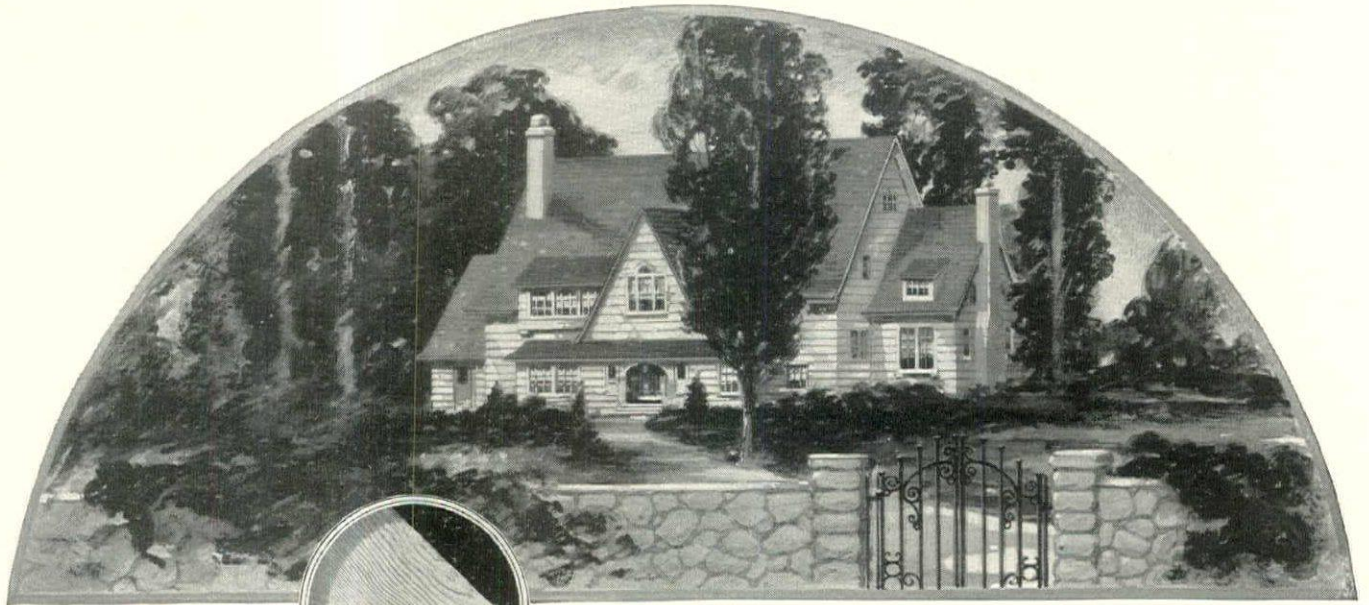
THE H. B. SMITH COMPANY, Dept. K-1, Westfield, Mass.

Please send a copy of “Guaranteed Heating Satisfaction at Minimum Cost” to:

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Street.....

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



Long-Bell Douglas Fir

Users of this product give voluntary praise of its value in construction.

~ ~

Long-Bell timber holdings in the Pacific Northwest are of the finest stands of virgin Douglas Fir.

~ ~

Manufacturing plants at Longview, Wash., which produce Long-Bell trade-marked Douglas Fir lumber products are equipped with the latest type machinery, completely electrified, and under the most skilled supervision.

Long-Bell Oak Flooring

This product has been found dependable and has met the most exacting demands of builders everywhere for many years. It is unsurpassed in beauty, excellence of manufacture and economy in laying and finishing.

~ ~

A booklet, "The Perfect Floor," containing information on laying, finishing and the care of oak flooring, will be sent free on request.

Varied Lumber Products

Long-Bell trade-marked lumber products include many items of importance to the builder. Every product has behind it the experience of fifty years as lumbermen, as well as widely recognized standards of production assuring *maximum building value*.

Hidden Comfort

THE home investment should be in *comfort* as well as in shelter. Walls must turn the fury of a storm . . . protect *in comfort* those within . . . keep excessive heat and cold without . . . save fuel.

CONSTRUCTION TELLS. A home can be as *permanently* comfortable as the builder wishes to make it. Through the passing of many summers and winters a man never regrets having built *lasting* comfort into the home.

Now and then it seems easy, yet unwise, to slight construction here and there, substituting inferior lumber or less dependable workmanship for the sake of a small saving in first cost. No matter how small the home, the wise investor can appreciate what a tax such folly levies in excessive repair costs and undue depreciation later on.

Good workmanship and dependable lumber cost little more in the first place. Long-Bell trade-marked lumber is giving hidden comfort in many a home . . . making a better home investment. It offers the same dependability for years to come to any builder today.

Ask Your Retail Lumber Dealer

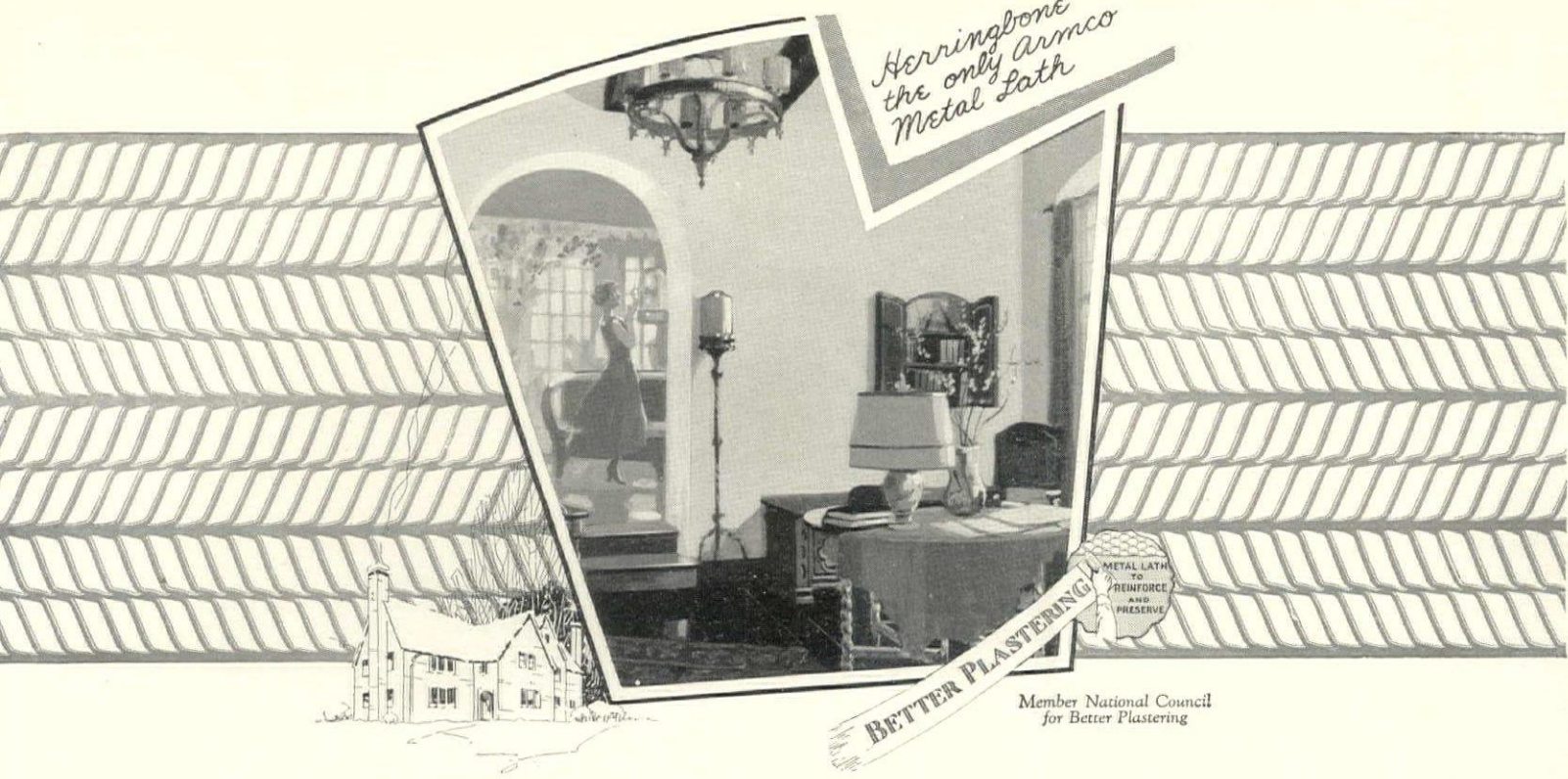
THE LONG-BELL LUMBER COMPANY
R. A. LONG BUILDING Lumbermen Since 1875 KANSAS CITY, MO.

Long-Bell

Trade
Marked LUMBER

Douglas Fir Lumber and Timbers; Southern Pine Lumber and Timbers;
Creosoted Lumber, Timbers, Posts, Poles, Ties, Guard-Rail
Posts, Piling; Southern Hardwood Lumber and
Timbers; Oak Flooring; California White
Pine Lumber; Sash and Doors.

K N O W T H E L U M B E R Y O U B U Y



Member National Council for Better Plastering

remember-

after all is said and done,
the walls and ceilings
of your home reflect its

Beauty and Permanence

YOUR finest draperies, your most cherished pictures, your distinctive furniture, — all are lost against the ugliness of cracked, unsightly walls.

And there is only one remedy — Herringbone Armco Metal Lath—a rigid metal base that grips the plaster securely—prevents cracks — preserves perma-

nently the pleasing effects of plastered walls and ceilings.

For your home demand Herringbone — the better Metal Lath—a dependable foundation for beautiful walls and ceilings — and besides an effective barrier against fire. The coupon brings you an interesting and attractive home booklet.

THE GENERAL FIREPROOFING BUILDING PRODUCTS, YOUNGSTOWN, OHIO
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Please send me a free copy of your illustrated booklet "Building for Permanence and Beauty".

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T. J.



Residence, Villa Nova, Pa.

Wallace & Warner, Architects

Tudor Stone is endowed by nature with every quality essential to the ideal roofing material. Beautiful—enduring—fireproof, this product of our Vermont slate quarries, with its rugged texture and wide variety of colors, offers countless possibilities in roof design.

Our Architects' Service Department, under the direction of Mr. Walter McQuade, a practicing architect, will gladly cooperate with you and your architect in planning a Tudor Stone Roof. We shall be pleased to send you upon request a copy of our illustrated booklet which fully describes our service

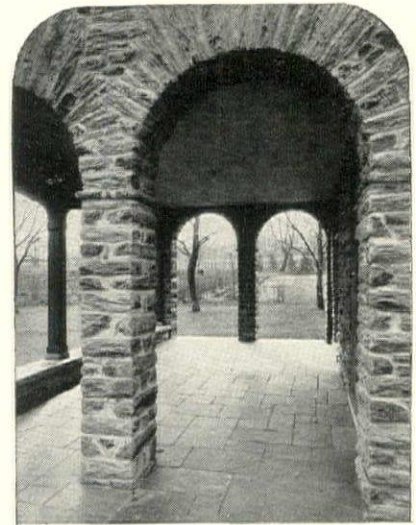


Rising and Nelson Slate Company

NEW YORK

Sales Office and Architects' Service Department: 101 Park Avenue
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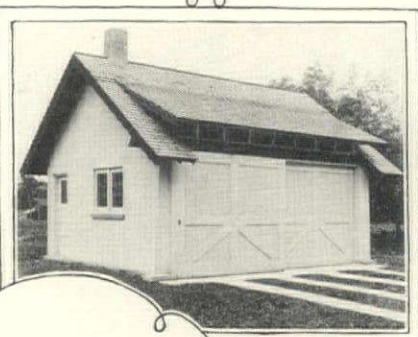
BOSTON PHILADELPHIA CHICAGO



Another product of our Vermont quarries is flagging slate, which is ideal for floor purposes both indoors and out. The different combinations of colors, the interesting texture and the many possibilities in the use of different sizes, shapes and patterns are among the advantages offered. For garden walks and terrace flooring it is customary to use the natural split surface with rough trimmed edges either in random sizes, irregular or rectangular shapes or, like tile, in uniform shapes and equal sizes. We are equipped to supply flooring slate in any quantity, size and finish and, as in the roofing slate, an unusual range of delicate and harmonious colors



Hollow Tile bungalow with combination face brick & stucco exterior



Hollow Tile garage with stucco exterior



Residence of B. C. Keeler, Mason City, Iowa. Hollow Tile with combination stone and face brick exterior



Exterior of combination face tile and stucco

Hollow Tile

is available everywhere. Write to the manufacturer located nearest you.

- ALABAMA**
Alabama Brick and Tile Co., Decatur
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Vulcan Tile & Brick Co., Birmingham
- CALIFORNIA**
Gladding McBean & Co., 660 Market St., San Francisco
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- COLORADO**
Longmont Brick & Tile Co., Longmont
- GEORGIA**
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Chicago Fire Brick Co., Conway Bldg., Chicago
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Haeger Brick & Tile Co., Aurora
National Fireproofing Co., 26th St. and Shields Ave., Chicago
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Springfield Clay Products Co., Springfield
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Ogden Pressed Brick & Tile Co., 2247 Hudson Ave., Ogden
- WASHINGTON**
American Fire Brick Co., Spokane
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To You Who Will Build a New Home This Year

KNOW the facts relative to modern construction—The actual values—The positive economies both during and after construction. *Know* that residences of moderate cost can have the same permanency, and *greater* relative values than residences of ten times their cost.

The *utmost* in all qualities will be found in *Hollow Tile Construction*. Beauty of line and architectural design is enhanced. Safety is ever present as the walls cannot burn and staunchly withstand storm and shock. Depreciation is eliminated as the walls will not sag, warp, crack, decay or disintegrate in any way. The initial cost is often less than common inflammable, perishable construction.

Hollow Tile homes are cooler in summer and warmer in winter. Heating costs are sharply reduced. Maintenance is the minimum for there are no repairs and *repainting is for trim only*. The resale and loan values are the maximum. From every standpoint a Hollow Tile home

is the most economical to build and to own. The exteriors may be Face Tile in broad range of color tones, or face brick, or stucco, or in combinations according to individual preference or architectural design. Beautiful, durable, permanent Hollow Tile homes are being erected in every locality.

Hollow Tile is also the preferred building material for Garages, public and private, Public Buildings, Schools, Churches, Theatres, Office and Store Buildings and all modern Industrial Buildings. The fire resisting, sanitary and enduring qualities together with its remarkable economy make Hollow Tile the ideal building material for all types of buildings for country homes.

A Booklet "Hollow Tile for the Home" will be sent postpaid upon receipt of 25c, address

Hollow Building Tile Association
Conway Building Chicago

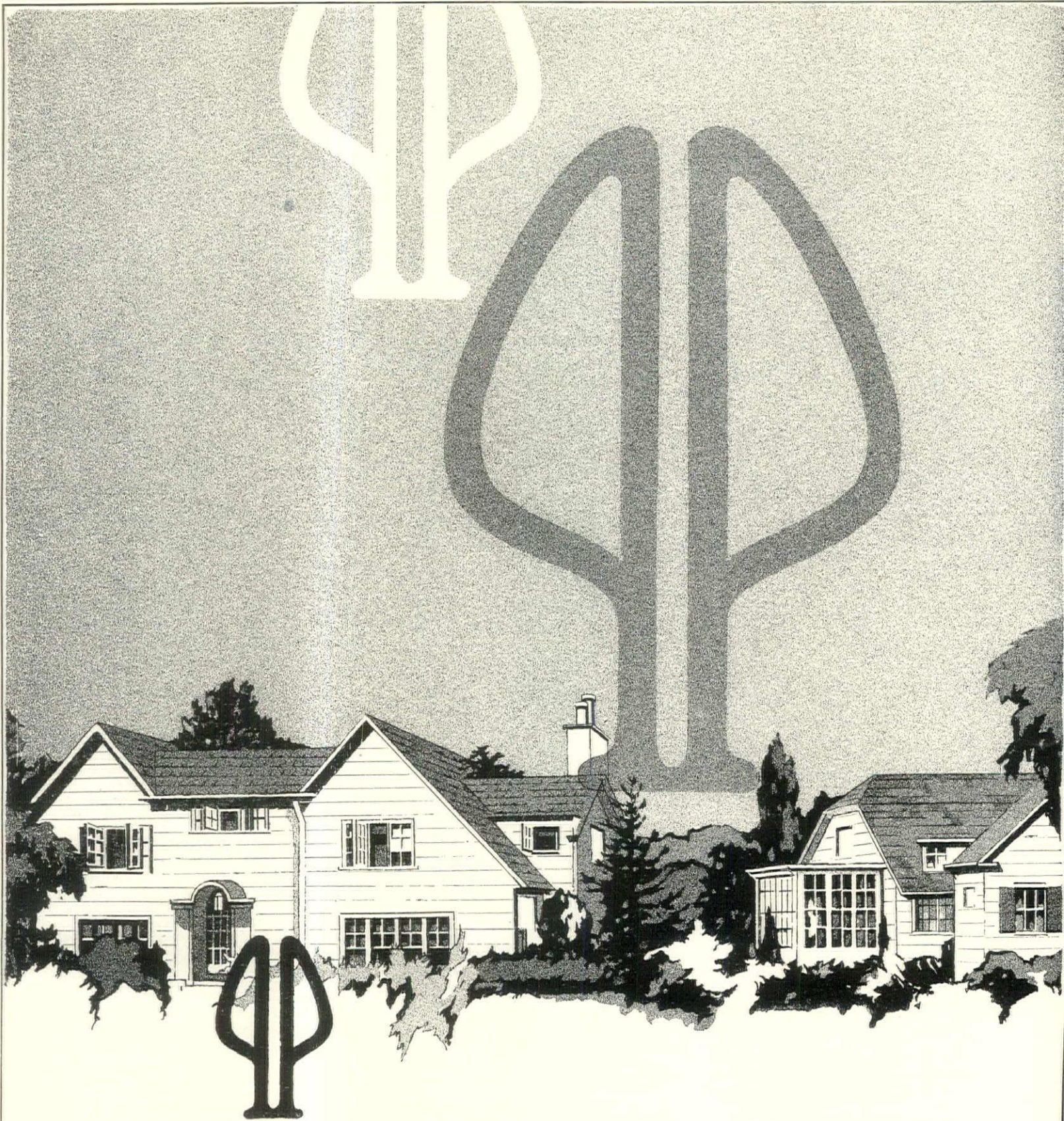
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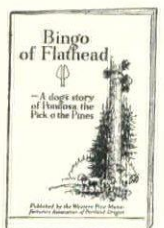
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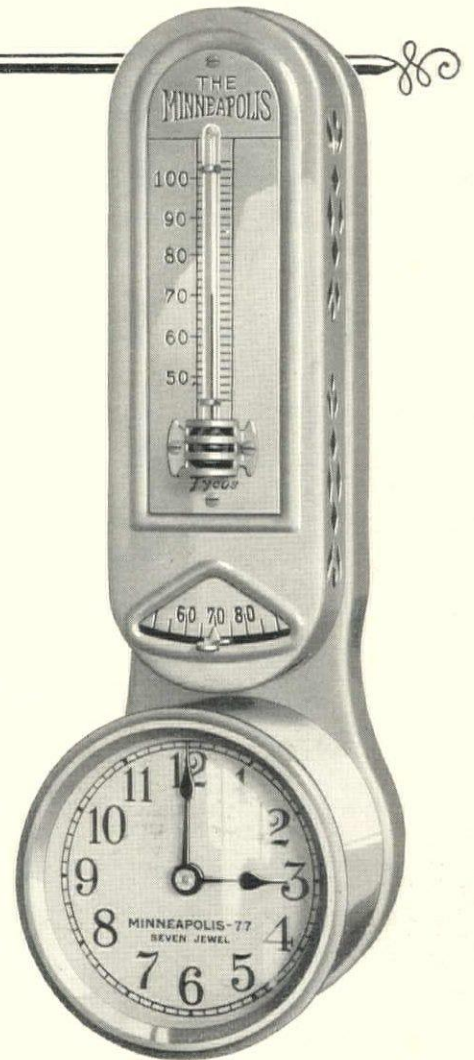
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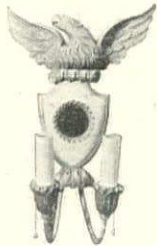
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ONE of the most interesting exhibitions of furniture and decorative accessories to be seen at present in New York City is the Spanish room occupying the eleventh floor of the Hampton Shops. Here is gathered an imposing array of Spanish furniture of the XIVth, XVth and XVIth Centuries, together with rugs, tapestries, ironwork and paintings, all attractively arranged in a setting true to the best traditions of Spanish architecture.



FOREMOST in this collection is a Spanish bed from the palace of the Marques de Villaireja in Madrid. It is walnut, finished in polychrome and ornamented with floral designs in antique gold and green upon a background of dull Spanish pink. Other interesting pieces in this notable collection are a unique altar triptych painted on wood, a primitive by an unknown artist, a cardinal velvet cope heavily enriched with Gothic embroidery, a XVIth Century Vargueno with Hispano-Mooresque base and polychrome top, and an unusual assemblage of XVIth Century Alcora tiles. In addition, there are a number of wall hangings and panels of Portuguese Renaissance embroidery—interesting and vivid spots of color against neutral toned plaster walls.

A STRIKING contrast to this old-world room is the small interior on exhibition at Schumacher's—a tiny room of brilliant color and interesting furniture inspired by the Paris Exposition des Arts Decoratifs. The furniture, consisting of some commodious built-in pieces and comfortable, overstuffed chairs, is by Dubocq whose exhibit attracted much attention at the Exposition. The walls are paneled in silk in graceful modernist design suggestive of a delicate spider web and topped by a frieze in a pattern of large leaves in brilliant colors. This fabric by Paul Follot was shown at the Exposition in one of the rooms of the modern French Embassy. It is suitable for wall hangings or upholstery, its vigorous design a welcome change from the majority of conventional silk patterns.



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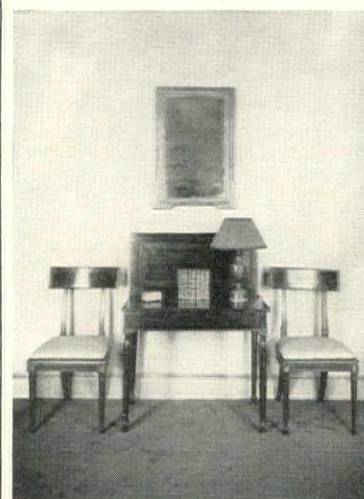
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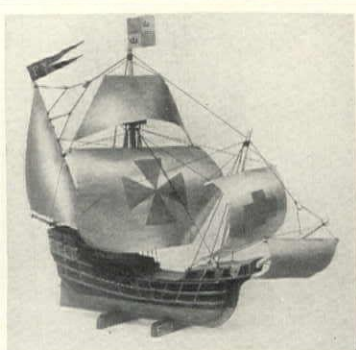
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ANOTHER replica of a room in this same exposition is to be seen at Wanamaker's. This is an interior done by Paul Poiret—a gay little room with curtains of brilliant blue and white checked cotton, and furniture in green, red and black lacquer. Scattered around the floor are huge cushions covered in exotic-looking linen and green velvet, while further notes of color are provided by the modernist paintings on the walls.



WHILE numerous firms specializing in interior decoration and furniture have entire rooms set up and completely furnished to illustrate certain phases of decoration, Abraham & Straus went a step further and equipped a small house which was exhibited in Brooklyn during the month of October and then shipped to France where it will be set up at the Exhibition of Household Appliances and Labor Saving Devices at the Grand Palais, Paris, beginning in February. Later it is to be donated to a French family, designated by the Republic of France.

AS this small house was Colonial in type, its main rooms were furnished with modern reproductions of English and American 18th Century pieces. Among these were some copies of furniture in the American Wing at the Metropolitan Museum. The wall papers also were replicas of well-known Colonial examples, the one in the main bedroom being a charming pastoral design of cows and sheep found originally in a Colonial house in Rhode Island. Altogether this house was a significant example of present day convenience combined with a charming old-world atmosphere due to the use of authentic reproductions of period styles in furniture, wall coverings and accessories. It was built by Louis Bossert & Sons and decorated by Raymond Toucher.

OF unusual interest also is an exhibition of early American antiques and accessories to be seen at a small roof shop named the Colonial Cottage. This is a bungalow on the top of a seven-teen-story New York office building, looking out over skyscrapers to the green of the East River and the gray haze of the harbor. In this unique antique shop is an interesting collection of Colonial furniture and accessories—highboys, chests, small tables and bits of rare old pottery and glass—all attractively exhibited in their proper settings.



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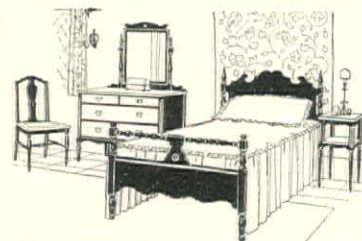
ANY one interested in the study of early American furniture and architecture will welcome a new study course arranged by the Brown-Robertson Company. This practical course in the appreciation of Colonial arts and crafts comprises thirteen sheets, each containing nine illustrations, one chart showing at a glance the social and political influences which governed the various changes of style, and an illustrated manual for teachers by Theodore M. Dillaway, Director of Art Education, Philadelphia, Pa., and Sherrill Whiton, Director of the New York School of Interior Decoration. This course embraces architecture, (exteriors and interiors), furniture, textiles, ironwork, silver, glass ware, paintings and costumes.



PAINTED tin is having a vigorous revival. Urns, jardinières, vases, baskets and flower holders of various kinds, finished to resemble 18th Century tôle, are charming additions to a living room or dining room. These articles are usually painted dull, deep red, bottle green or black, and decorated with old-fashioned flower sprays, fruit or architectural scenes in naturalistic colors or antique gold. A favorite design for flower pots is the horn of plenty. Directoire urns are frequently painted a deep soft green and ornamented with lyre motifs or wreaths of laurel leaves. A pair of urns of this type, filled with flowers or laurel, are unusually effective used at either end of a mantel or on a commode.



AMONG the interesting new fabrics for household decoration are some charmingly decorative silks originally designed as dress materials but quite appropriate for country house curtains. These patterns, all by American artists, are original and delightfully gay, several being adaptable to bedrooms and informal living rooms.



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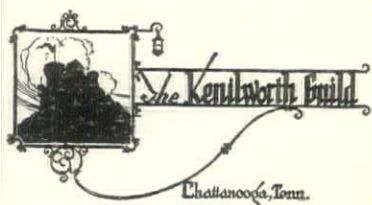


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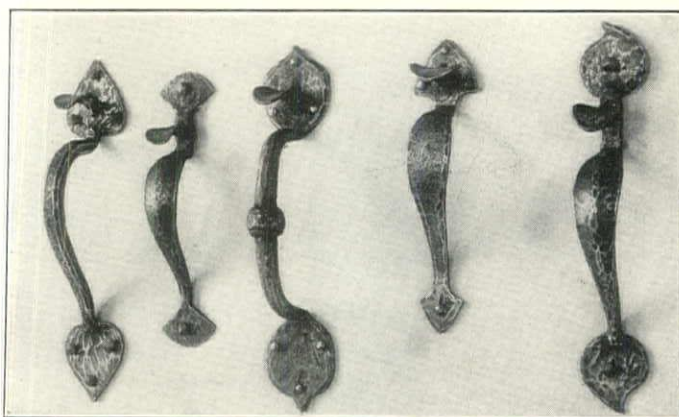
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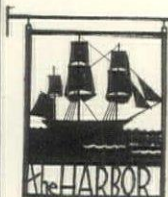
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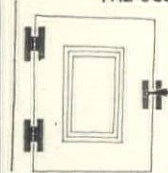
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ONE pattern in particular would be charming in a small morning room. It is a graceful design of falling leaves in oyster white and a bit of purplish blue on a lacquer red ground. This material might be used in connection with blue walls and pale yellow gauze under curtains. The design is by Ralph Barton. Another interesting pattern by Neysa McMein, adaptable to a country house morning room, has a design of long slender leaves in brilliant green on a cream ground. Striking in both color and design, this pattern would be an ideal choice for a room with white walls and green woodwork. More restrained is a design by Katharine Sturges amusingly named the "Moon & Sixpence". It consists of small circles in magenta, pistache green, yellow and blue-green on a white ground. In a child's room with painted furniture it would make gay and very effective curtains. In a house in Florida or California it would be interesting to use Clayton Knight's "The Jungle"—a pattern lovely in color and batik-like transitions.



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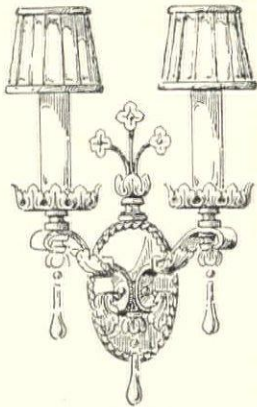


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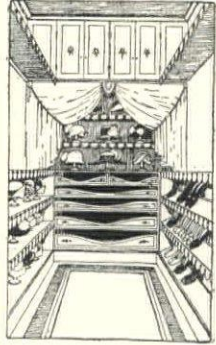
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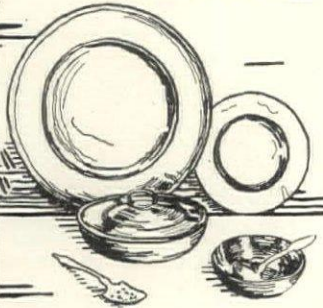
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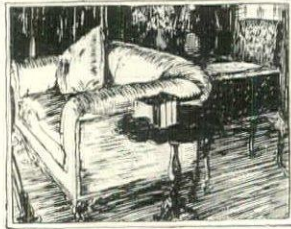
THE curtains for a tall formal window should be of a heavy material such as silk damask, satin, brocade or hand-blocked linen. They may hang straight to the floor or be looped back rather high up and caught with decorative tie-backs. The valance board, a distinctly formal touch, can be of painted wood, gilded metal or strips of mirror. Glass curtains for a dignified window of this type are of net, casement cloth, silk gauze or China silk.

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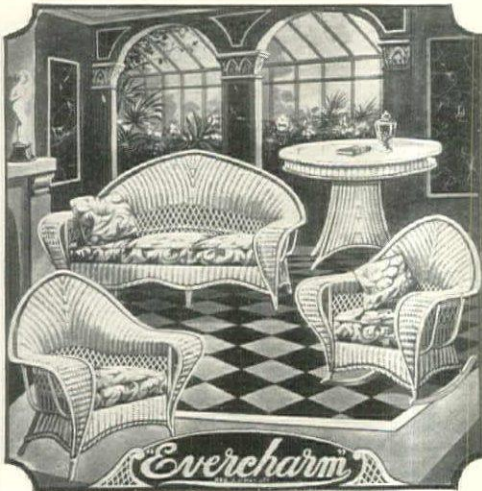
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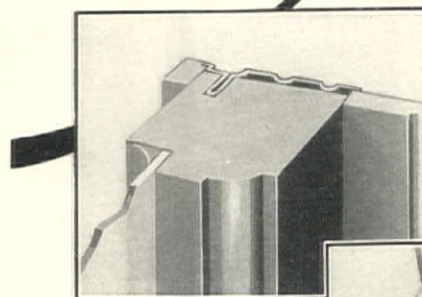
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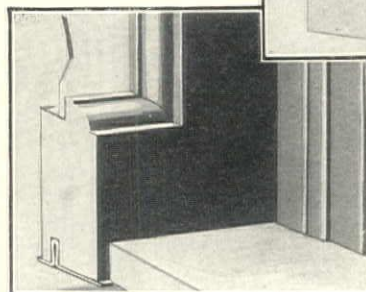
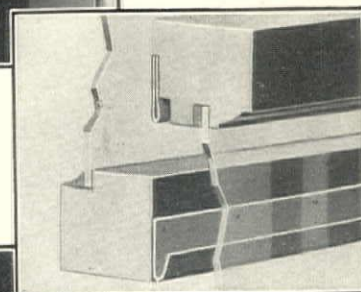
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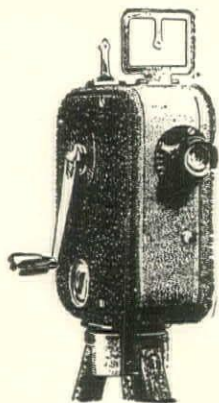


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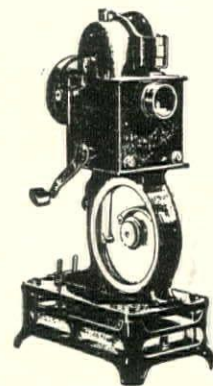
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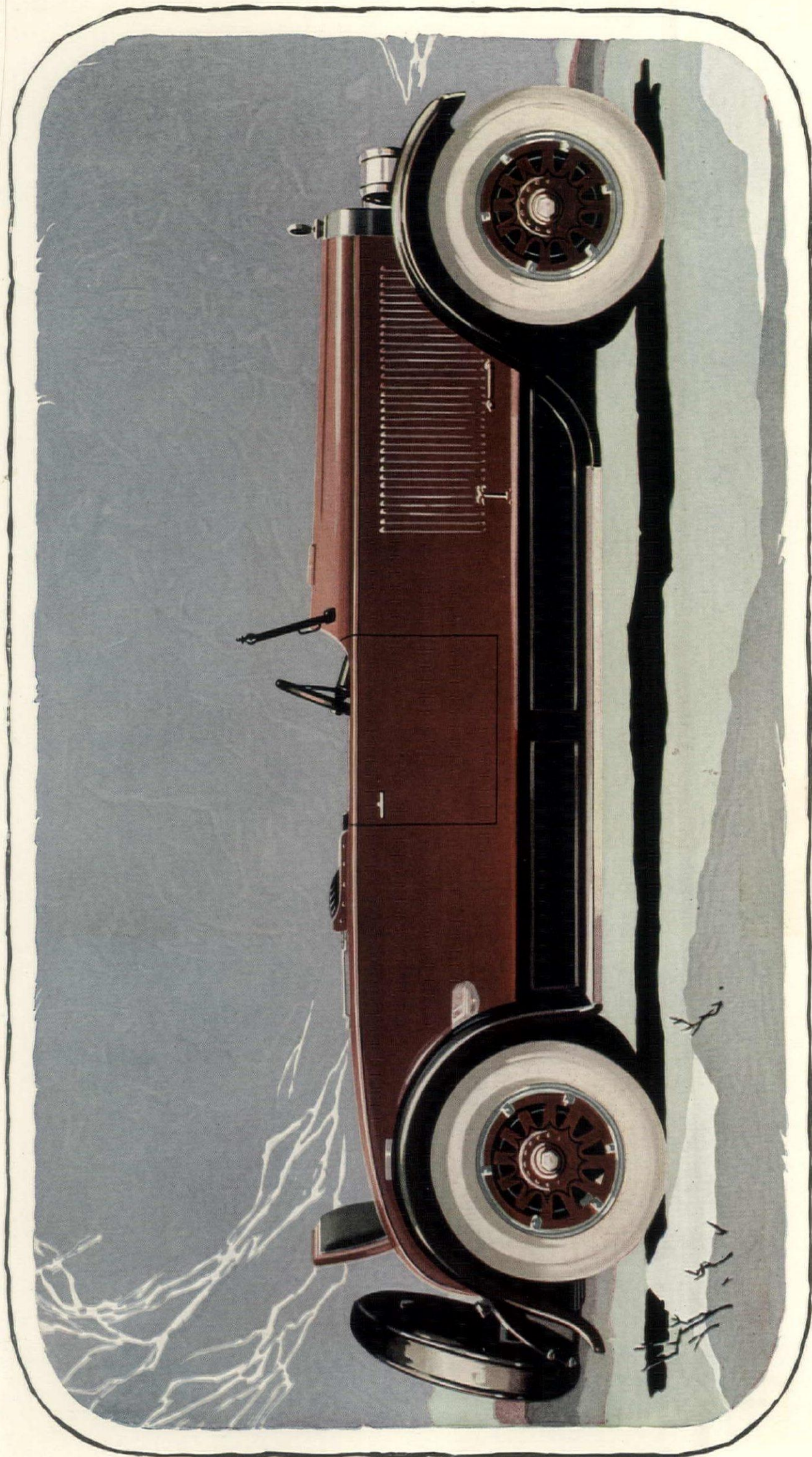
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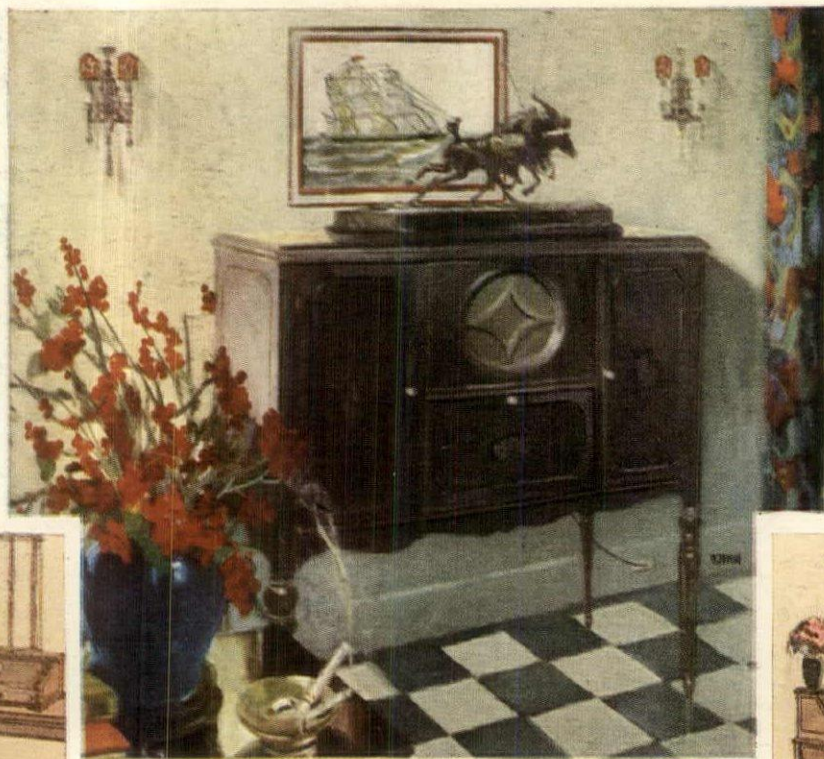
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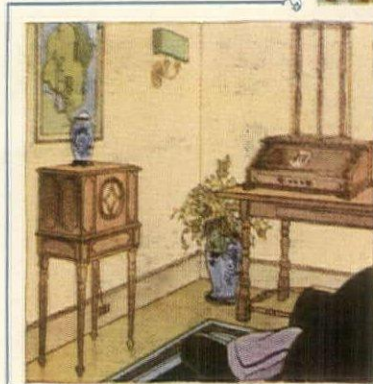
Radiola 25, six-tube "Super-Het." Can be operated with dry batteries, or adapted for use with Loudspeaker 104, with no batteries.

Loudspeaker Model 104 (in cabinet) cone type, with power amplifier. Operates Radiola 25 on 60 cycle, 110 volt A.C. lighting circuit, with no batteries.

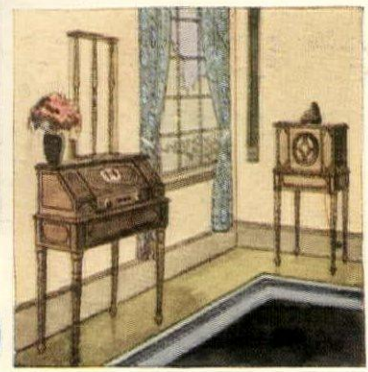


Radiola 28 is an eight-tube "Super-Het." It can be adapted for use with dry batteries, or used with Loudspeaker 104, with no batteries.

Loudspeaker Model 104 (in cabinet) cone type, with power amplifier. Operates Radiola 28 on 60 cycle, 110 volt A.C. lighting circuit, with no batteries.



Radiola 30 is an eight-tube Super-Heterodyne, with enclosed loop, and the new RCA cone loudspeaker built-in. It contains a power amplifier for the speaker, and a device that does away with *all* batteries, and operates the set on any 60 cycle, 110 volt A.C. lighting circuit.



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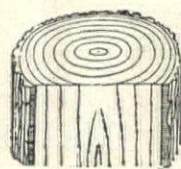
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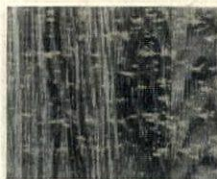
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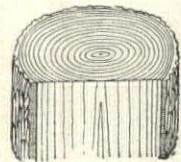
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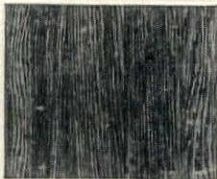
1



1



2



2

Each ring on the ends of the logs represents one year's growth. Where growth is rapid, (1) the rings are farther apart, and the grain is coarse and irregular. Where growth is slow, (2) the rings are close, and the grain is fine and even.



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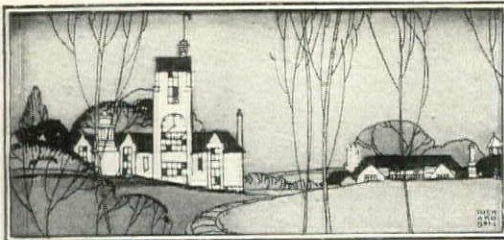
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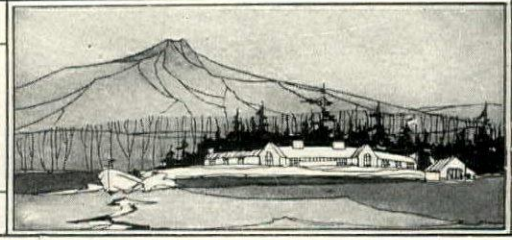
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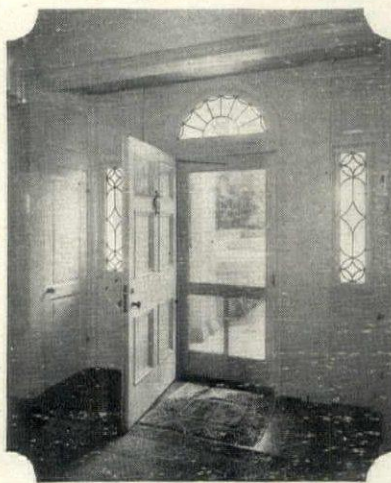
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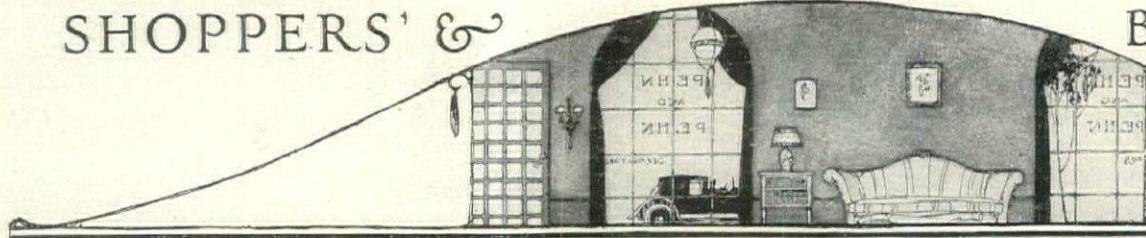
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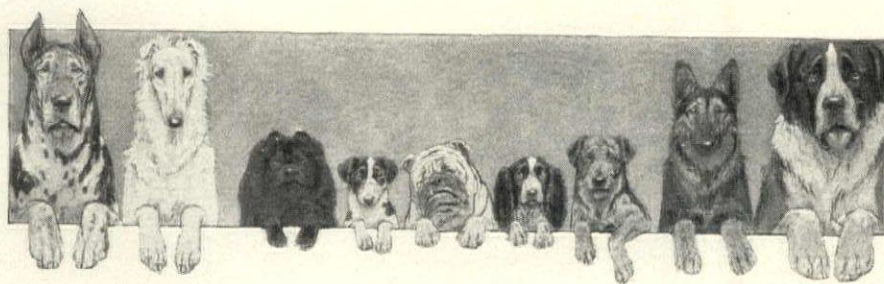
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and the other in your hand. Maneuver the dog to a position at one side, between you and the wall, and by snapping the fingers of your free hand and repeating "Jump!" in an encouraging tone, try and induce him to step across the stick to the other side.

At first he won't have the slightest idea what it's all about, and will very likely balk at crossing the cane; not infrequently he will try and reach the spot you are obviously urging him to approach by what the football fan calls an end run—in other words, a detour. This is prevented in one direction by the wall, of course, and in the other by your calling him back to his original position.

Sooner or later—generally sooner—your pupil will overcome his doubts and cross the barrier. Pat and praise him, then, and encourage him to repeat the performance in the reverse direction. As soon as he realizes that, after all, the cane is harmless, he'll cross it readily enough.

The next step is to raise the cane an inch or two from the floor and accustom him to the new height. As soon as, by gradually increasing the elevation, the dog really has to jump a little, see to it that he has a rug or other non-skid surface on which to land. Never under any circumstances make a dog jump on a slippery surface; it is unfair and dangerous to subject him to the possibility of a fall.


After the cane jumping has been thoroughly learned, the trick can be varied by substituting an arm, hoop or what you will for the stick. In any case, always insist upon the dog going over—never under—the barrier.

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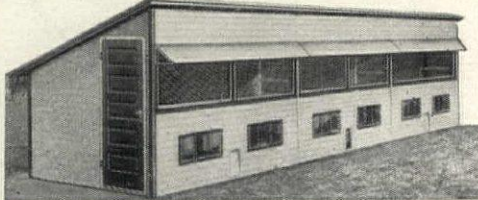
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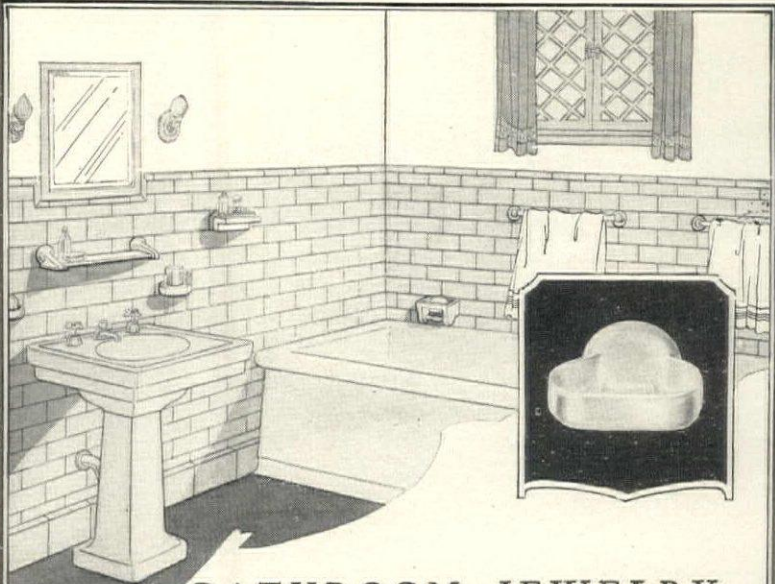
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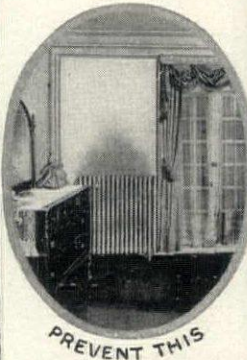
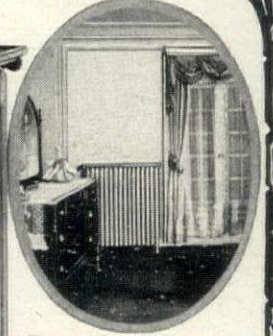


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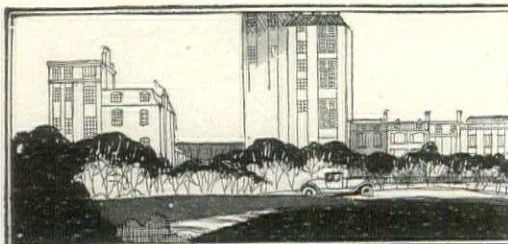
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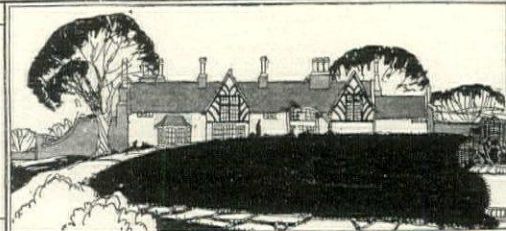
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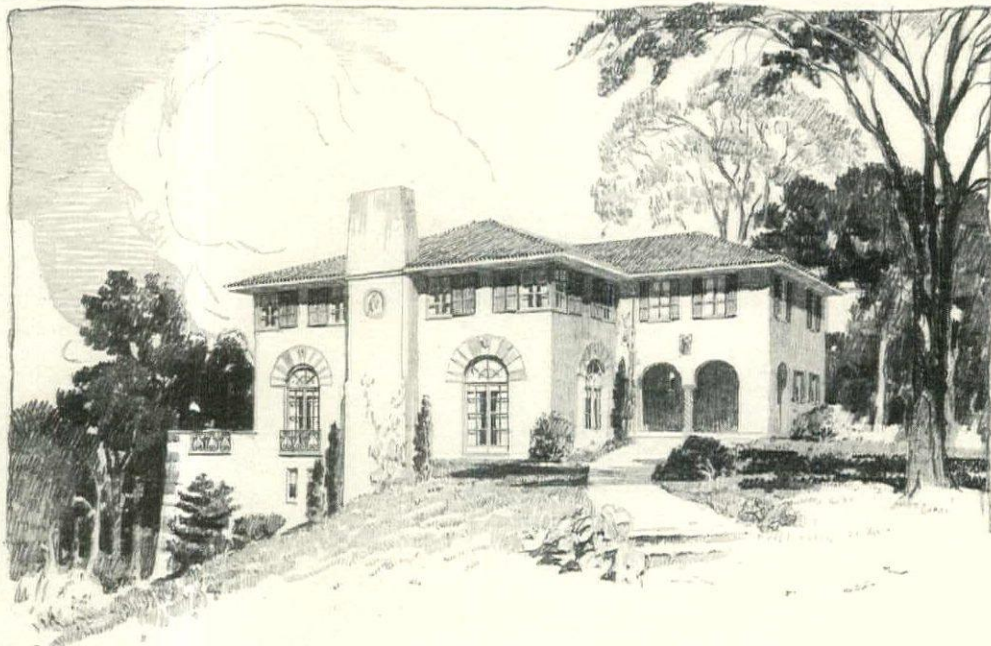




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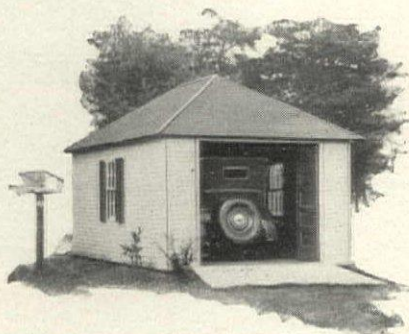
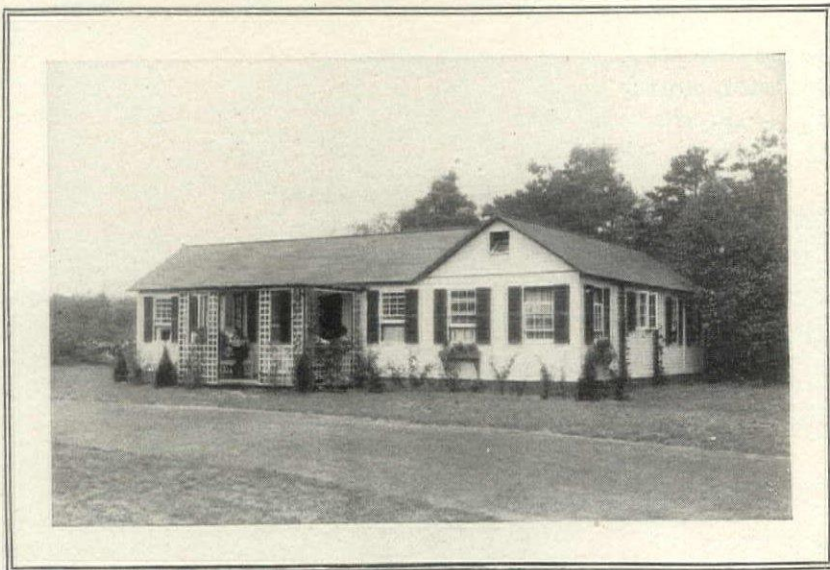
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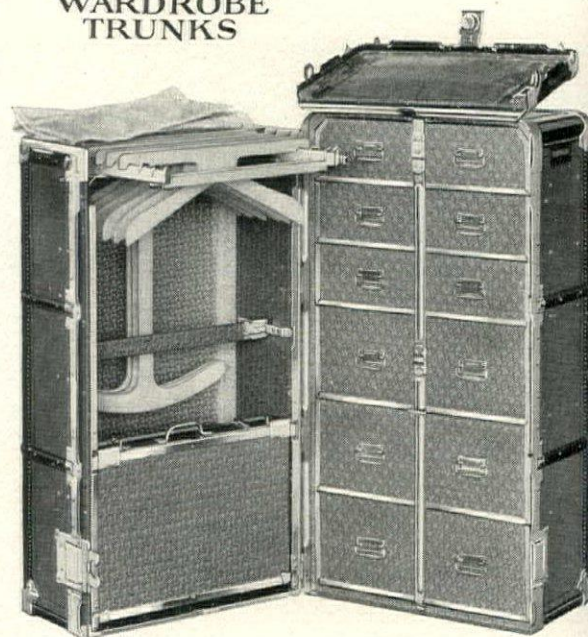
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The King Cole. A Carl Fisher hotel opening January 1st, embodying the modern luxuries of hotel construction. Superbly situated in America's Playground.

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The Nautilus. Modern; fireproof. An unexcelled winter playground. Attractive non-housekeeping finished villas. Every known out-of-door sport.

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The Alba, opening in January, 1926, will offer accommodations not hitherto available and in keeping with America's most fashionable resort.

Whitehall. Thrives with life, offering an environment of beauty and dignity which lends to the charm of America's exclusive resort.

St. Petersburg

Vinoy Park Hotel, on beautiful Tampa Bay. Accommodations for 500 guests. Charming appointments, unexcelled cuisine, varied entertainment.

GEORGIA

Macon

Hotel Southland. "Where Service is Paramount". Golf, tennis, quail and duck hunting. The home of true Southern hospitality.

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They will send you detailed literature for the asking—or if your problem is not solved by a hotel listed here, you may write the Condé Nast Travel Bureau, 25 West 44th Street, New York, to help you pick your hotel out of the thousands of hotels in the United States, that would never suit you for an hour.

ILLINOIS

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The Drake. On the beautiful Lake Shore Drive, out of business district, this magnificent luxurious hotel is the center of Chicago's smart life.

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Brown Hotel. Elegant, convenient, modern. Luxurious setting in a background of the old South. Center of social and business life.

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Lafayette Hotel. A delightful tourist hotel where friends meet friends enroute, and enjoy excellent service at fair rates. European Plan.

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Capley-Plaza Hotel. Boston's smartest hotel, ensuring hospitality and comfort amidst luxurious and artistic surroundings. Excellent cuisine.

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The Bancroft. In the heart of historic New England. Facing the green where the Minute Men trained during the Revolution.

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Book-Cadillac. Luxurious appointments have been combined with practical features to insure rapid, courteous and efficient service at all times.

Flint

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The Curtis Hotel. Easily accessible to Minnesota's beautiful lake region. 825 rooms, each with private bath. Write for descriptive folder.

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The Alexander Hamilton. A new hotel of the United Hotels Company of America. Unusual comforts, attractive rates. Advantageous location.

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The Stacy-Luxur. Trenton's latest achievement not only offers luxurious refinement for the traveler or tourist, but assurance of comfort as well.

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New York City

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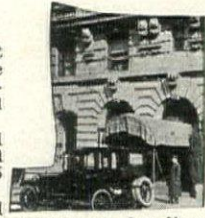
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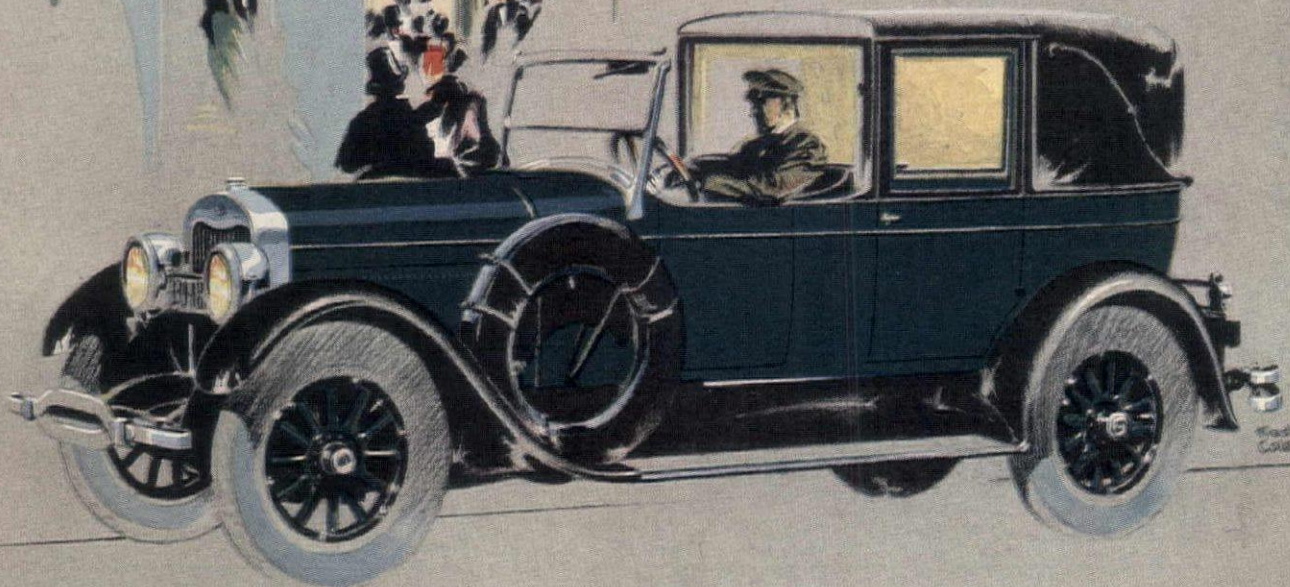
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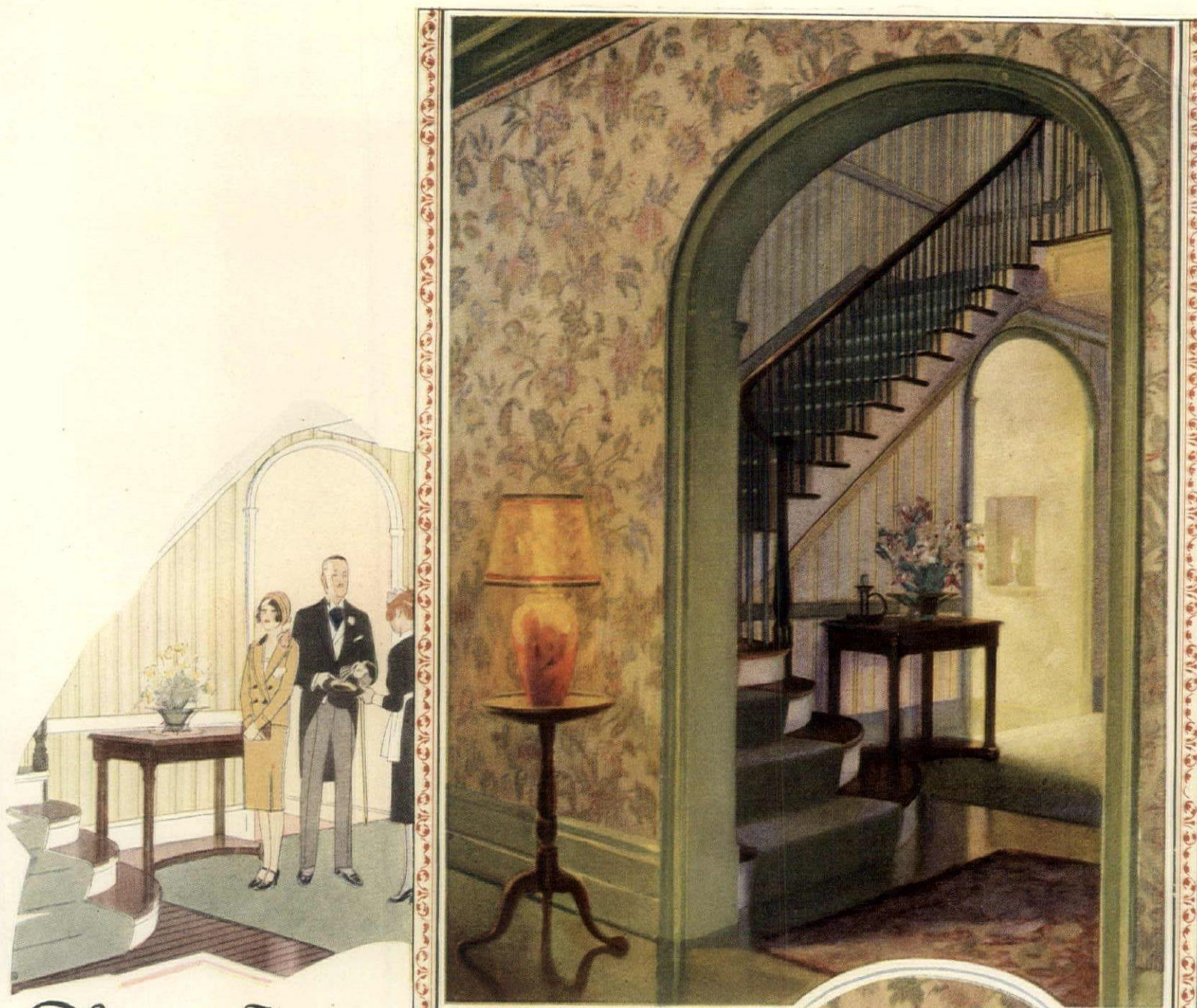
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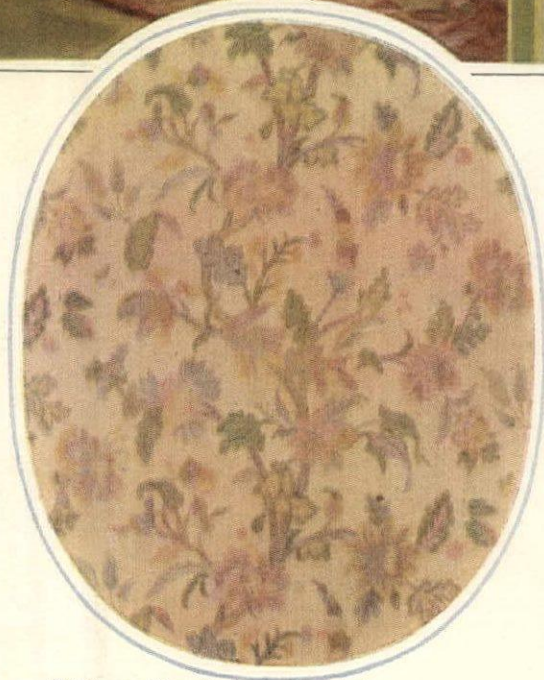
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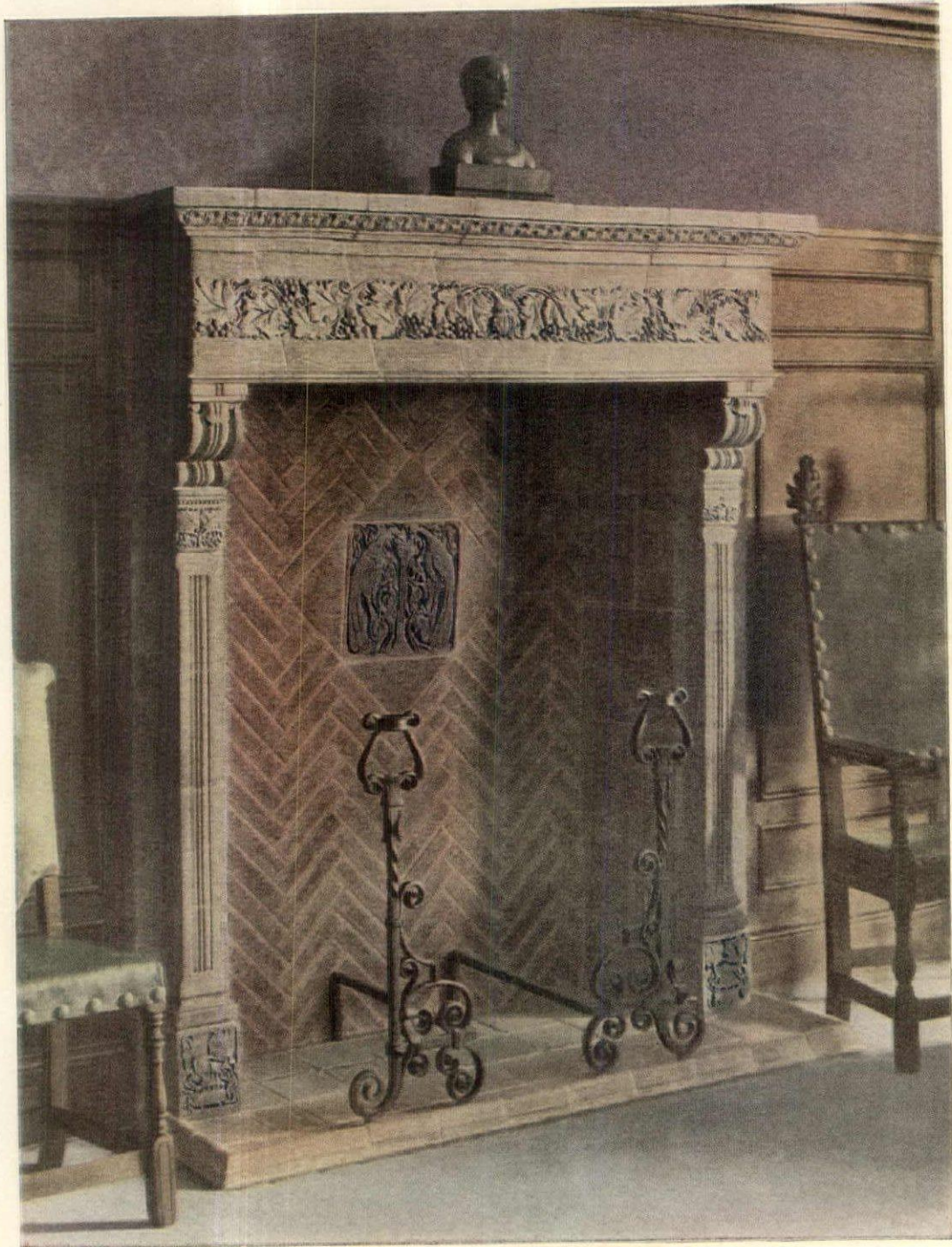
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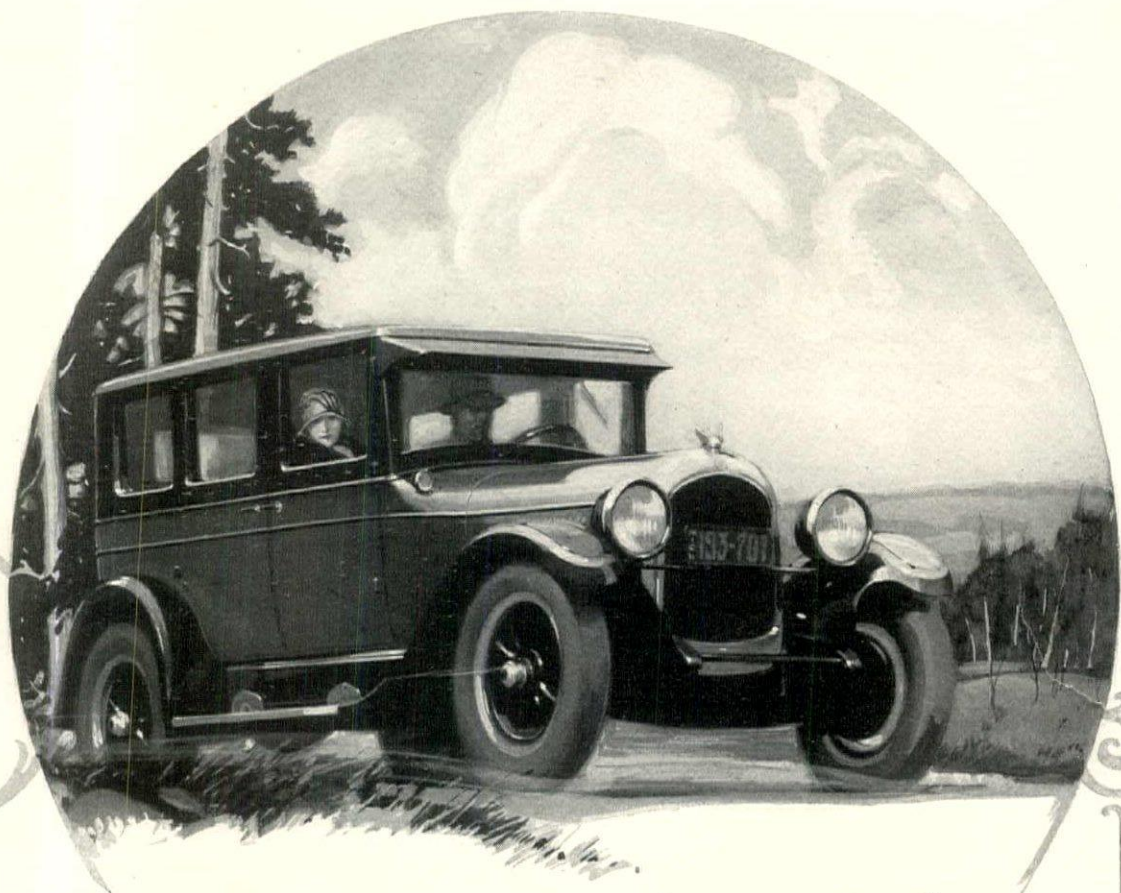
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House & Garden



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"bike"; you receive a better periodical.

Instead of these gratuitous inducements, many magazines now offer what is called a Reader's Service. Perhaps no word has been so maligned as has "Service", or so much the object of scorn by the younger intelligentsia. And yet it is the soul and aim and reason for being of many magazines. The old general style of magazine, that was a pleasant and amusing hodge-podge of this and that, is slowly learning to spell out the writing on the wall. To be successful, a magazine today must have a definite aim that serves the needs and interests of a definite class. This service is rendered not only by the pages of the periodical itself but by the various means of extra information and help that the reader can command.

The staff of such magazines no longer consists of pleasant young literary people under the leadership of some flashing genius, but is an organization of experts each with his or her special line, working in coordination under an editor who knows his readers, knows what they want and has the good sense to give them better than they want.

Because it is staffed with just such experts and because it has such an editorial policy, more and more people make a monthly habit of going up to a news-stand, laying down thirty-five cents and saying, "House & Garden".

They don't expect a "bike".

VOLUME XLIX

NUMBER ONE

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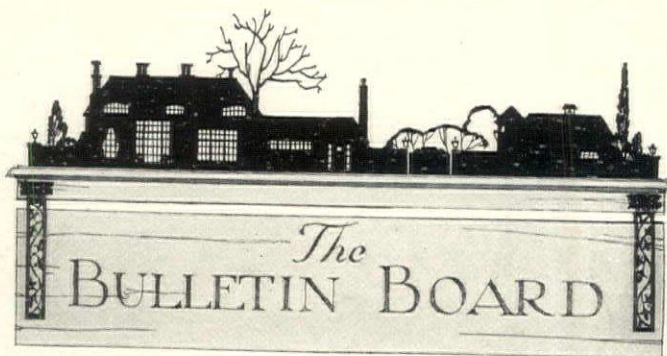
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TO THE WOMAN of genuine social distinction only a very few perfumes are acceptable . . . Among them is Rigaud's Un Air Embaumé, a truly continental fragrance of most intriguing personality . . . Parfum Un Air Embaumé and the various other aids to loveliness, bearing this same delicate scent, are all created in Paris . . . Doubtless you know them. S S S S S



THE INTEREST in furniture is the sort of thing that time and place have little effect upon. From King Tut's tomb to the smartest house of today the line of descent may be very long, but it is unbroken. Cultured people have always been interested in furniture and in surrounding themselves with good examples of it. For this reason we devote most of the pages of the February issue to the subject of furniture.

It will start with an article on the Sources of French Provincial Furniture. This is by Henri Longnon, an eminent French artist critic and authority on furniture. M. Longnon will contribute a number of articles on this subject to *House & Garden* in 1926. Frank Alva Parsons will discuss Modernist Furniture. Two pages will show the furniture desirable for Dressing Rooms, two others, Furniture for Small or Narrow Halls, and still two more of Furniture for a Man's Room. Added to these are pages of advice on what to look for in furniture construction before you buy a piece; suggestions for Furniture Hardware; and an explanation of the complete wiring of a house.



GARDENING and the architecture of the house will also find a place in this issue—Crocuses, Mrs. Wilder on the Windflowers of the World, Mr. Wilson on Cedars, Mr. Carrere on the Garden of a Florentine Villa, Mr. Rockwell on Plans for the Vegetable Garden and Mr. Lemmon on the Easy Garden. There will be three pages of Pools for Florida Gardens. Two houses will be shown—A large Georgian country residence and a smaller English design by Frank J. Forster. The editorial will be a discussion on what makes a piece of furniture "Early American"—how old it has to be to give it the reputation for "early" and how much of it "American."



IF YOU compare photographs of English and American rooms furnished in good taste, you find that the English use much more furniture than we, and that our rooms are relatively sparse. "Stuffy" and "cluttered" might be adjectives applied to the English rooms and "meagre" and "thin" applied to the American. Just why there should be this difference is difficult to say. England was closer to the stuffy Victorian Age of furniture than we and, perhaps, recovered from it more slowly. Fashions change gradually in England. Americans, on the other hand, are more abrupt in the changing of their allegiance. We, too, suffered the Victorian stuffiness in our homes, but when we changed, we changed with a vengeance. Now, if some of our sparseness could be relieved by some of England's stuffiness and some of England's extra pieces could be shipped over here—but that is asking too much!

The Untilled Field

This is a field that never has been tilled;
All it has ever grown: flowers, grass, and trees,
And weeds that are not weeds, but, mixed with these,

Imperial things with light and color filled;
There's a crab-apple standing in the centre;
There's briars and brambles clutch you as you enter

A red squirrel chatters, flashing 'round a limb,
As if to warn you it's a private place
Reserved for birds and beasts the like of him . . .
A bough whips back and stings across your face . . .

If you must come here, this is all I ask:
That you won't bring a furrowing plowman here

To turn this tangled joy into a task,
Expecting harvests each recurrent year
Let it stay quiet still through hidden hours,
Made sweet by countless Springs of unplucked flowers!

HARRY KEMP



IN THE November issue we commented on some strange ways of papering a wall—how the dining room in the home of a London critic was covered with front pages from newspapers the world over. We thought this a rare find. Since then we've found that the custom is quite old. Through the Kentucky Mountains and the Ohio Valley, in the emigrant days, it used to be quite common for people to cover their walls with newspapers. Noel Coward uses the idea for a set in his play "The Vortex." A traveler in Mississippi just before the Civil War found a room papered with old lottery tickets on which the owner had spent a fortune—and to no avail. One loving reader reports that in Tsitsicar in Central Manchuria (a Chinese town famous for its annual beheading of brigands) he found the paper screens that formed his room in Jo San Bee's dizzy inn—the only one in town—were covered with copies of the eminently respectable London Times!



HERE'S a bit of verse by Hamlin Garland that we enjoyed reading just before we took a cross-country walk through a snow storm—

Do you fear the force of the wind,
The slash of the rain?
Go face them and fight them,
Be savage again.
Go hungry and cold like the wolf,
Go wade like the crane:
The palms of your hands will thicken,
The skin of your cheek will tan.
You'll grow rugged and weary and swarthy,
But you'll walk like a man.

OLD DOC LEMMON SAYS—"Ev'ry now an' ag'in, pokin' 'round the farm these winter days, I come across things whut make me do a lot o' thinkin'. Mebbe it's the faint leetle crooked ridges where the field-mice has been tunnelin' along under the snow, er the kind o' reddish haze in the tops o' the swamp maples when the light's just right, er the flutin' of a jaybird in the spruces up on the mounting, er the fresh, livin' feelin' o' the birch twig I bust off to chaw when I'm trailin' a rabbit through the brush lot. Ye can't never notice things like them without feelin' kind o' cheered up, b'cause, when ye git right down to the bottom of 'em, they all mean that winter ain't a-goin' to last ferever. They're the surest kind o' proof that old Nature, though she's sort o' layin' low fer a while, is still on the job.

"Yessir, Nature don't never quit, even when it's so bitter cold that away off yonder in the woods ye hear the trees poppin' as the frost ketches their insides. If she ever did—wal, then we *would* have somethin' to think about!"



IT IS rather pleasant to find garden authorities from other countries discovering America. Recently we had the pleasure of entertaining Mr. J. N. C. Forestier, who wrote that delightful book "Gardens," published last year in a translation by Helen Morgenthau Fox, and who is the head of the Park System of Paris, the Bagatelle Rose Garden being one of his creations. He was on his way to Havana to design a park system for that city.

By the time this reaches you we hope to have sitting beside our desk, Henri Correvon, the world-famous authority on Alpine plants from Geneva. This will be Mr. Correvon's first trip to America. He is coming at the invitation of the Lowthorpe School of Landscape Architecture for Women, at Groton, Massachusetts.



THE LIST of desirable books for those interested in houses and gardens is growing to such proportions that we will have to start reviewing them! We can recommend three or four, however, to all who are lovers of the home and its accessories. "Old English Houses," by J. A. Gotch, is as lively and entertaining a volume as we've encountered in many a day. Its pleasant style and authority make the history of the English home a vivid story. The other two are newcomers to J. B. Lippincott's admirable library of practical works—"The Practical Book of Tapestries," by George Leland Hunter, who is our best authority on that subject; and the "Practical Book of Chinaware," by H. D. Eberlein and R. W. Ramsell. Other additions to our shelf are "Clock Making," by G. F. C. Gordon, "The Principles of Decoration," by R. G. Hatton.



CHERRY BLOSSOM TIME IN SURREY

This old cottage at West Horsley in Surrey stands in a garden planted with fruit trees, and in spring is rained upon by pink and white blossoms. The dark oak of the timber

framing stands out pleasantly against the whitewashed brick walls. The old-world atmosphere of the place is strengthened by the curiously clipped yews which guard the path



WHERE SMALL HOUSES COME FROM

*In Looking Up the Ancestors of Our Present Day Cottages We Find
A Wonderful Heritage of Workmanship and Beauty*

RICHARD H. PRATT

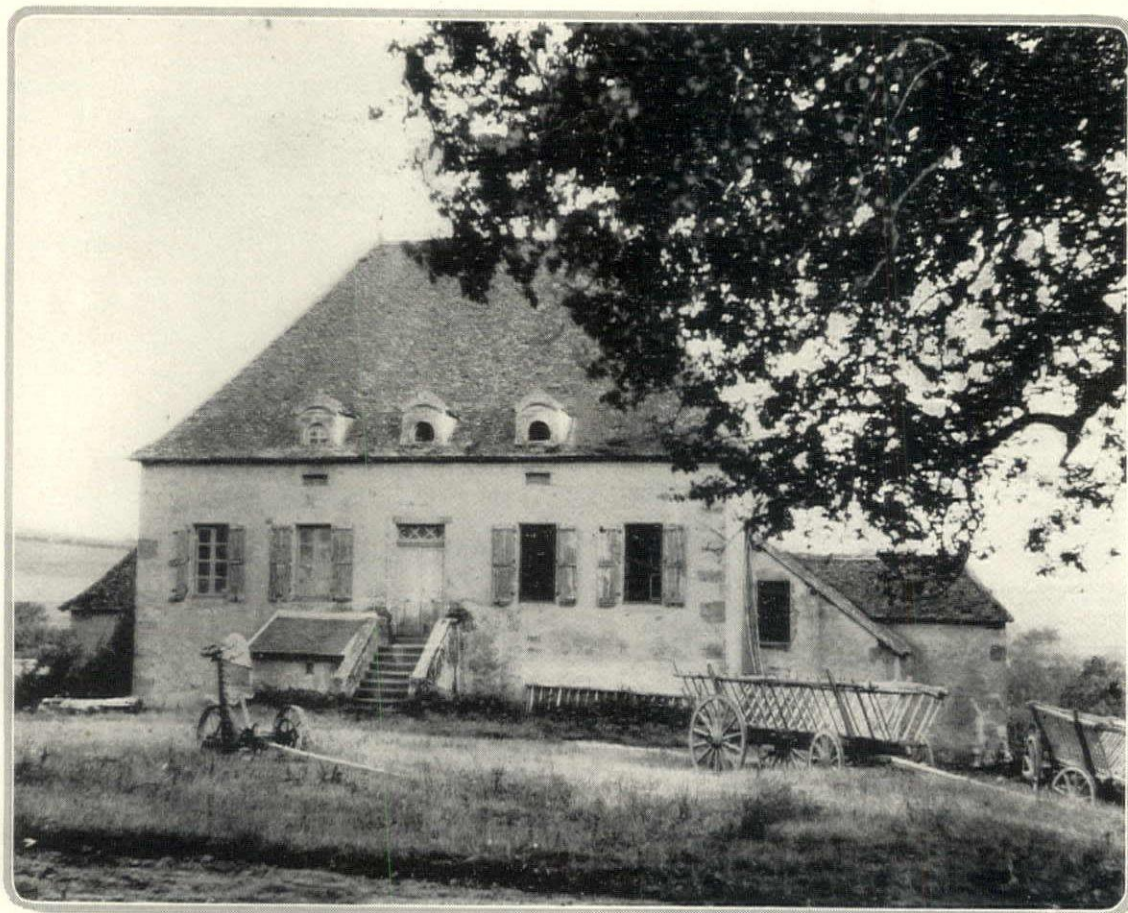
EVERY small house, before it is even a blueprint, should know about its birth-right. For it must be true that the cathedral at Chartres and almost any cottage in Calvados are sisters under the skin. Each is a matter of walls and roofs and windows devised with a certain regard for comeliness and convenience; and while one, to be sure, is thrilling and sophisticated, and the other simple and quiet, each is, in its own way, architecture. And both having been born of the same art, the cottage may not only look at the cathedral but may share its place in the sun.

If we have been too ready to grant that

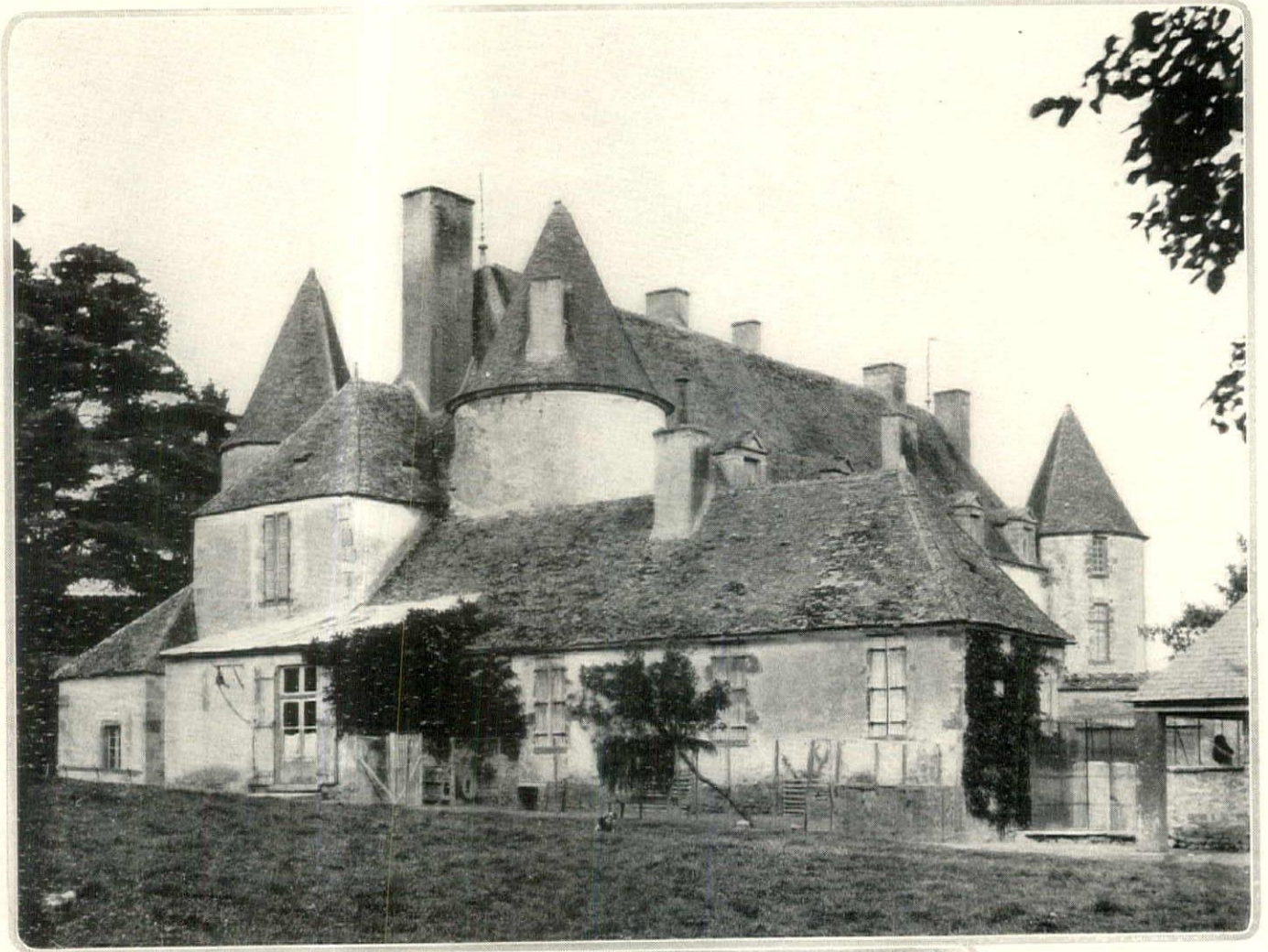
only the great piles deserve the glory, that fine architecture is mostly for monuments and mansions, then it were no wonder so many small houses should appear without this privilege. Actually, the building of a small house is more of a responsibility than settling on its size and cost and style and assuring oneself that it will stand and function properly when it is up. We owe it to the small house tradition that our own small house carry it along. Just how this is to be done is difficult to say. But it is certain that if we were to become familiar with what had once been done extremely well, we would, at least, know what stand-

ard of beauty and what pride of workmanship were necessary.

Some inkling may be had of this tradition from the small houses which illustrate this article. Each one of them, when it was built, was more or less a pioneer in the style which it has since come to represent. For instance, when we think of a formal French cottage, or see a new house done in that fashion, it is just such a cottage in Normandy as that shown below which comes to mind as its original inspiration. Almost every Spanish and Italian house built in this country must owe much to the type of small Mediterranean villa for



This cottage in Normandy is an example of the rather formal French farmhouse, or manoir, which has set the style for an increasingly popular type of small house. Photograph from the Mellor, Meigs & Howe collection



While the French chateau shown above has grown gradually to its now considerable size, it is essentially small house architecture and is typical of the picturesque informal style of Western France

which that one shown on the present page stands as an example. In the same way the French farmhouse and village houses on the opposite page stand for a building custom so excellent as to have become crystallized into a familiar architectural style.

These three types of small houses, together with those snuggling stone cottages of the Cotswold district in England and the small half-timber buildings of Germany, England and France, are what might be called unconscious architecture. That is, they were originally merely the expressions of the building habits, craftsmanship and materials of their particular localities. Their construction was controlled by these practical



Almost every characteristic of our present day small houses in the Spanish and Italian fashion can be traced back to such an authentic example as this of the true Mediterranean manner in design

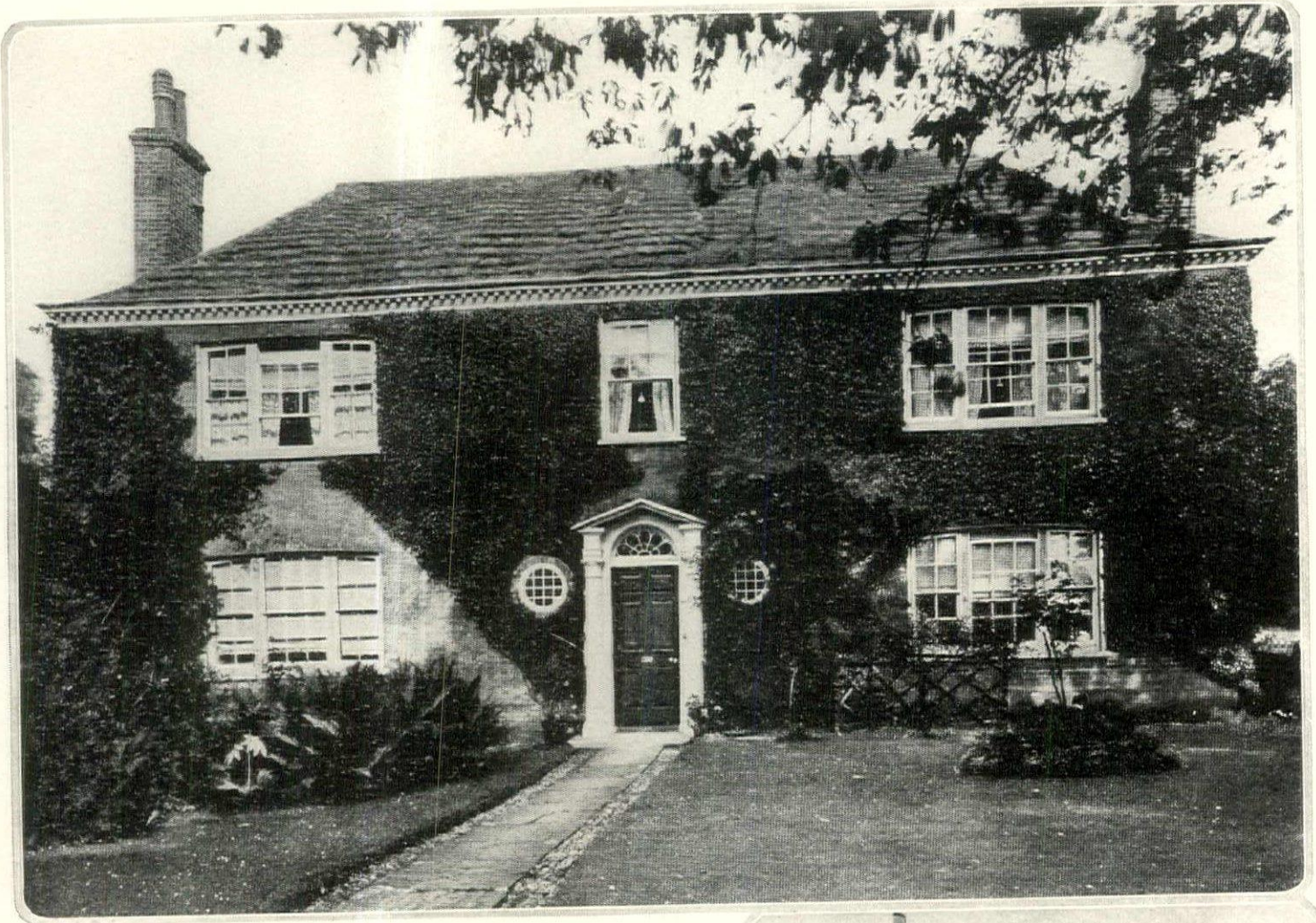
matters almost altogether, and scarcely any by that thing we speak of now as a style. Naturally, the Gothic idea had its effect in Northern France and England, just as the small houses of Southern Europe held somewhat to the Classic strain; but the influence of these great styles was mainly confined to matters essentially structural. The extraordinary charm and beauty that were achieved may not have been entirely accidental, but, more than anything else, they were qualities born of good, honest, straightforward building. Of course, in those old days, there must have been a gradually in-born tradition of beauty, too; something that came down from father to son



It is characteristic that even the most unpretentious early French houses should have a fine feeling for style. Note the effectiveness of sharply pitched roofs, tapering chimneys and simple, direct design.



The brick farmhouses of North France achieve great architectural style by being so completely sensible and straightforward in construction. The photographs on these two pages are from the Mellor, Meigs & Howe collection.



The development of the Georgian style in England not only brought forth some of the loveliest houses ever designed but produced an architectural style which is almost perfection for the small formal house, combining the classic idea with domestic suitability. The three examples on this page are all of the period. The one above is at Henfield, Sussex



While most of the Georgian houses are of brick, some of them are stuccoed and some are of wood. This one is at Horsham, in Surrey, and typical of the simpler, more naïve, and less noticeably "architectural" small English houses which were carried out in this style



This house at Richmond Hill, in Surrey, is a characteristic example of the Georgian style in town. It shows the finely balanced formality of the period and its affection for manners and motifs of the Renaissance. The three photographs by courtesy of Architectural Press (London)



The English small house derived from Tudor times is a combination of formality and picturesqueness. It is a very sturdy style whose most characteristic features are the pronounced roof lines, its towering, full fashioned chimneys, and its stone framed casements

and guided to some extent at least the placing of windows and doors and the naïve ornamentation.

However, the architecture of small houses did not become an emphatically conscious thing until the Georgian period in England. It was then and there that beauty became so actively sought and so eagerly applied that a wholly different idea in small house design was produced. The fragrance of that lovely flower, the Italian Renaissance, was captured and blown into the little buildings of the time with such taste and discrimination, and with such fine feeling for their personal and intimate flavor, that nothing



Steep roof lines, steep dormers, small window openings and simple outlines are found in almost all German houses of the 17th and 18th Centuries. This delightful example is the garden house on Goethe's estate, descendants of which may be found in eastern Pennsylvania

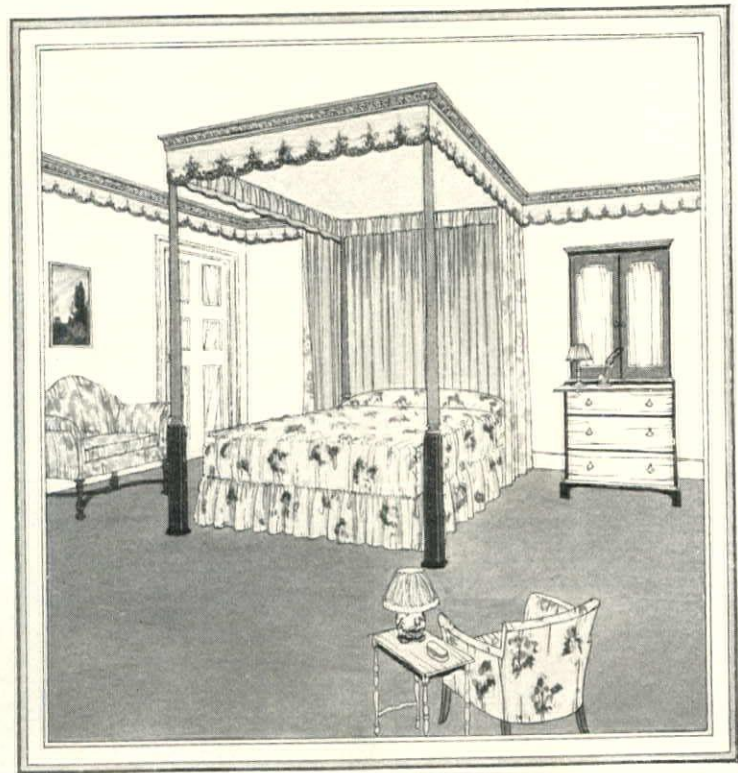
was lost of their essential domesticity. From that particular small house tradition came most of our Colonial houses. And from our own Colonial tradition that grew out of the Georgian style came much of what is fine in the small house of today.

So there was a good deal of difference between the small houses described before and those of the Georgian period. The first, in a way, happened; were born of the very immediate conditions of climate, materials and customs; in a word were colloquialisms. The small houses of those places that are now such rich
(Continued on page 130)



When there is a prominent pattern in the wall paper and furniture coverings the bed draperies should be of plain material—white or a color to harmonize with the scheme of the room. The four posters above have testers covered in soft white muslin and bedspreads of crochet lace

The imposing appearance of the four poster bed below is due to its curved and painted tester top and its very graceful draperies of pale green taffeta trimmed with narrow bindings of rose silk. When the bed is placed in this manner it is advisable to curtain all four posts



An unusually interesting treatment for a canopy bed is shown in the sketch above. Here the shallow valance and border on the walls are of chintz in a graceful swag design. The spread and side hangings are of harmonizing flovered chintz lined with plain sateen. Agnes Foster Wright



Deix Duryea

FABRICS FOR FOUR POSTERS



This slender four poster in a Long Island country house has a tester, valance and curtains of pink glazed chintz edged with white ball fringe. The spread is embroidered linen, hand-quilted.
Thedlow, decorators



Yellow English print bound with blue ribbon makes the tester and valance on the bed above. The spread is old crochet work. It is in the home of Mrs. Charles E. F. McCann, Oyster Bay, L. I. Thedlow, decorators

The valances, curtains and spread on the carved maple bed shown in the picture above are of egg plant toile de Jouy lined with blue taffeta. The window hangings are also of this material. Grace Fakes, decorator



In the room at the right the main color note is provided by the old flowered chintz of the curtains and bed hangings. The bedspread is of plain taffeta. In the home of Mrs. Edward S. Moore, at Roslyn, L. I.

M. E. Hewitt

THE RISE OF COMFORT

How Comfort and Privacy Have Paralleled The Slow Evolution of The Home

ONE of the most brilliant eras the world has ever known was the Elizabethan Age, brilliant for its accomplishments, for the impulsive energy and vivid desire of its men, for the enormous whims, infatuations and vanities of its women; brilliant for the vast areas its endeavors touched and for the lasting heritage of thought, action and inspiration it bequeathed succeeding generations. And yet this age had very little conception of privacy and comfort. Even less did the generations that preceded it.

It may seem strange that the times which gave us Shakespeare, Raleigh, Sidney, Drake, Johnson, Marlowe and their fellows should know so little about the things we consider essential to our being. The mistake may be ours.

Vast quantities of Americans—intelligent, educated and reasonably well-bred people—have a habit of judging a country's civilization by its plumbing fixtures. They go to Continental countries, they go on world-encircling tours, they spend winters in those delightful islands of the Caribbean Sea. They have, presumably, an enjoyable time; but if they make any criticism of these countries, it invariably is based on sanitation.

Our age in America is an era of mechanical progress. We have made privacy and physical comfort an ideal, but have we sacrificed other and greater ideals of civilization?

It would be interesting some time to set down comparative tables of the accomplishments of each age and tabulate beside them their concept of privacy and comfort. It would be a comparison between accomplishments and the development of the home.

CONSIDER the present-day, well-appointed house. It has an entrance hall, living or drawing room, kitchen and pantry and service departments, bedrooms and bathrooms with endless sanitary adjuncts and aids to comfort. Go back a hundred years and you find the house has no bathroom. Go back two hundred years and apparently no change has been made. Go back three hundred, to the time of Elizabeth and James I, and the house has only some primary divisions of hall, living room, kitchen and bedroom, although the hall is large and well lighted. Go back a generation beyond Elizabeth and the hall is larger but is less cheerful because the windows are smaller. Go back still farther, say to the 12th Century, and hardly any windows are visible in the outside walls, there are no bedrooms and living rooms and the house consists of nothing but a kitchen and a large barn-like hall. Thus is the house reduced to the ultimate essentials.

THE hall was the most important factor in the home life of the time and in its change can be read the beginnings of the slow rise of comfort and privacy. The kitchen was attached at one end and at the other, in the course of time, certain rooms for the private use of the lord and his family. In his study of "Old English Homes," J. A. Coth says, "It is to the development of this idea—the enlargement of the kitchen wings at one end, and of the family rooms at the other—that we owe the great mansions of Elizabeth's time. . . . The hall changed its character. Instead of being in common use by the family and servants, it became a vestibule . . . the family gradually retired to their own rooms at one end and the servants to theirs at the other. . . . It is to the changing concept of comfort that we owe the develop-

ment of our homes." The evolution of the hall was gradual.

The interior of the hall was dark, because the windows that lighted it had to be narrow for purposes of defense. The windows were often not glazed, the only protection against drafts and cold winds being inside shutters. It was smoky in winter, for the fire burned in an open hearth in the middle of the room and the smoke went out through a hole in the roof or the windows. In this hall the family, its retainers and its servants lived the entirety of their day-to-day and night-to-night life. There was little or no privacy. A separate bedroom for each person was wholly unknown. The beds were large and many persons shared the same bed without regard to sex. The proprieties were more honored in the breach than in the observance.

From this crude beginning arose a desire for comfort. First the hall was broken at one end by a screen, then there was added at one end a private room called the "solar," which was the beginning of the family wing. Then a parlor for private conversation and gradually the wings and departments of the house were evolved.

In Elizabeth's time there began to grow a desire for a separate dining room, although many houses still existed where the lord of the manor sat down with his servants and retainers. In this age the necessity for protection became less acute and, in consequence, windows grew larger and there were more of them. The faint vestiges of sanitation began to be seen in the same era. From that time, through the Carolean house, the Queen Anne and finally the Georgian, comfort and privacy made their deliberate way. Architecture changed, improved, reflected this influence and that, but privacy and sanitation progressed much slower. In the beginning of Victoria's reign privacy became almost a fetish, but sanitation, as we know it, was still crude. It remained for our own era to bring comfort up to perfection.

COMFORT involves quite a number of things—safe and easy heating, lighting and ventilation, sanitary adjuncts, labor-saving devices for the management of the house, and the ease of chairs, beds and couches. In the main, these comforts are accomplished by machines. The spirit of the age is to demand more of the machine and less of the human body. This is the price of comfort. One wonders, though, if the price is not too heavy. Has comfort made us soft? Is the rise of comfort accompanied by an equivalent fall in other lines of human endeavor? Can we produce, for all our fine machinery of the home, men of such caliber as the Elizabethan Age produced? Or have sanitation and such matters anything to do with the power of vision, with vivid desire, with brilliant accomplishment?

We doubt it. Character is made, great things are accomplished, and noble dreams attained when we have to battle against an environment. Each age has had its own kind of environment to contend with. Comfort, like sin and a lot of other matters, is a comparative term. The day may come when a future editor of *House & Garden* will write another editorial on the "Rise of Comfort" and point with disdain at our gauche conception of it. The Elizabethans managed to live through their kind of comfort and, doubtless, we will enjoy lives full of accomplishment and valiant desires despite the abundance of our luxury.

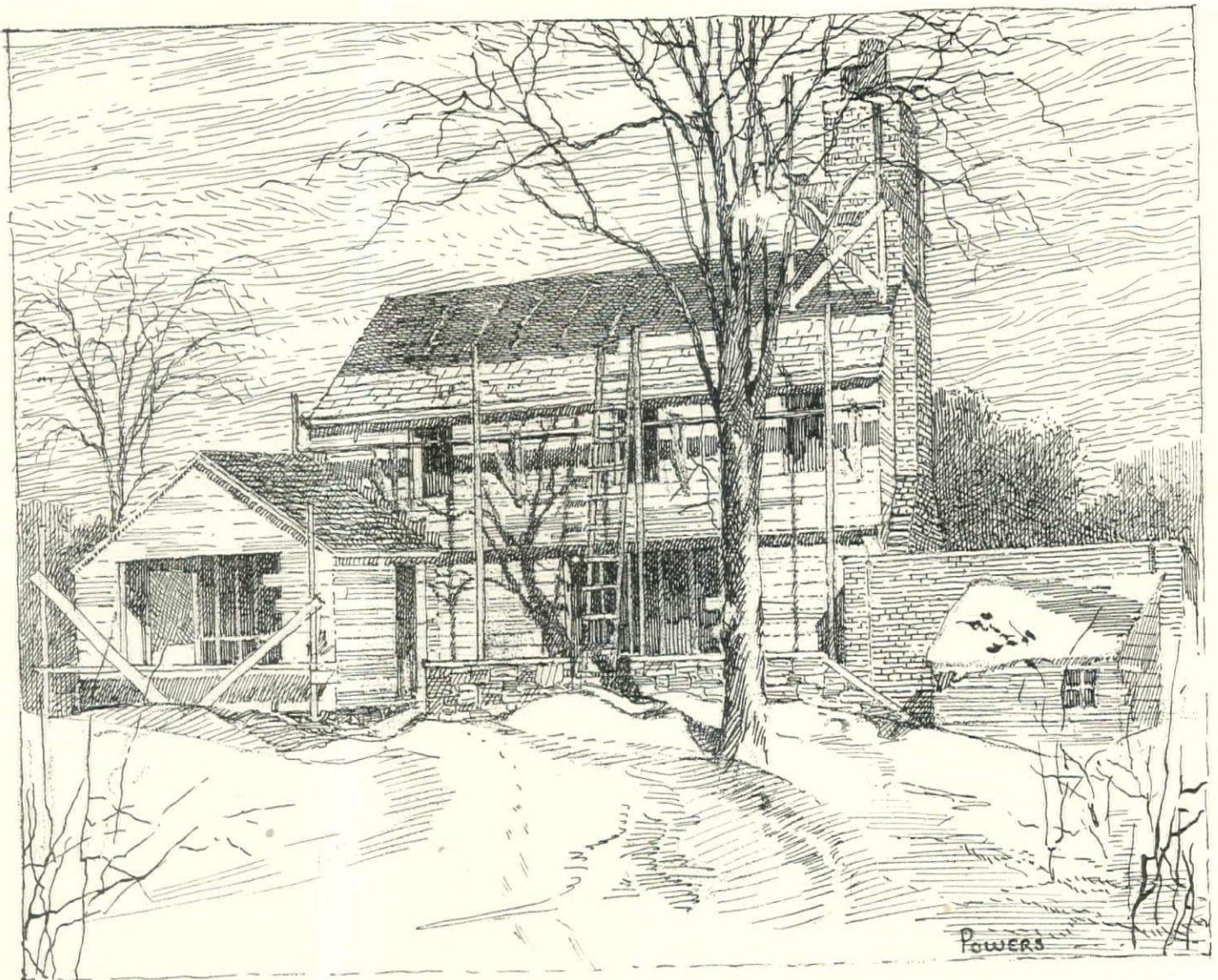




Hewitt

SHINGLE WALLS

There is a rough and homely texture about the shingle wall that makes it the medium par excellence for certain types of country houses. It has been successfully used here, in the home of Edward S. Harkness, at Manhasset, L. I., of which Cross & Cross were the architects



The skeleton of the frame house can be put together in three ways—full framing, which is the old style of Colonial houses, balloon framing, which is the quickest method, and combination framing, the desirable modern method whereby the skeleton is gradually built and braced. The illustration above shows a house when it has passed the skeleton stage and is boarded in

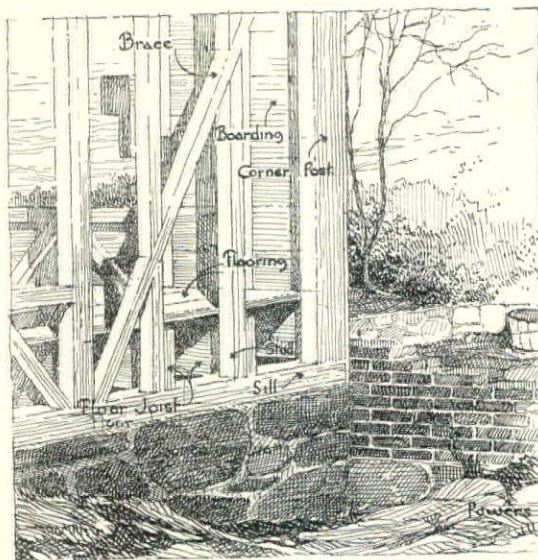
HOW FRAME HOUSES ARE BUILT

A Study in the Anatomy of Architecture for Those Who Would

Watch Their New House Grow

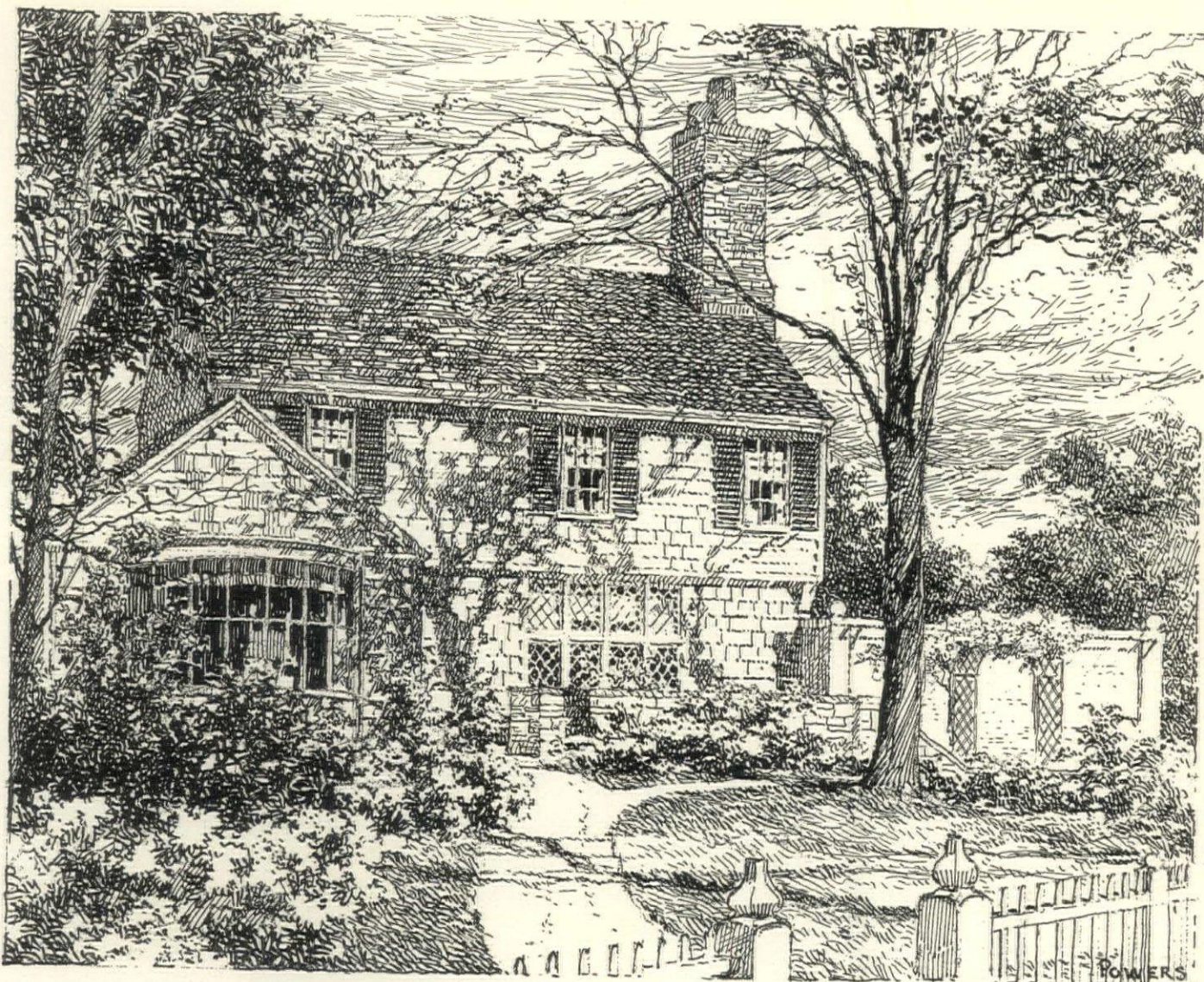
HOWEVER unlike one another frame houses may appear, the various parts and principles of their construction in each case are essentially the same. A Pennsylvania farmhouse, a cottage in Connecticut, and a California bungalow have little enough in common so far as outward aspects are concerned, yet each has its sills, a ridge pole, and all the various timbers that lie or stand in between; and each piece functions in much the same way in every house. So, to be familiar with the way one frame house is built is to know them all.

The anatomy of architecture may seem a thing to leave to builders and architects, to whom such knowledge is an everyday necessity. But if you have



ever had a house built for you, and have been sufficiently interested in the performance to want to dip your own fingers in the plans, or if you have ever wanted to alter a house, or even so much as put up a partition in an apartment, you will have wanted to know what was the scheme of this skeleton that held walls, floors and roof in place; you will have wanted to know where to look for bearing members that couldn't be disturbed, where there was safe space for a door or window, to what extent any

The first floor line—sill set back from face of foundation so that boarding can come flush. Clapboards or shingles cover the joint between sill and foundation



The complete house. The low structure at the right is a one-car garage of brick painted white with a latticed panel as a decoration. R. M. Powers, architect



The main entrance is in the sun-room wing. A paved terrace before it suggests the English doorway garden. It is of rough blue-stone slabs set in loam

changes were possible or wise. And if you have no problems in your own domestic architecture, but find it pleasant merely to look at homes that seem good to you, then the chances are your fondness for splendid work will be deepened and your appreciation of it widened by an acquaintance with what underlies its beauty.

Though there is but one method in general practice today in soundly built frame houses, there are really three ways to frame a house. The first was called *full framing*, and was the only method in use up until the middle of the last century. It is now called the *old-fashioned* method of framing, and, like early American furniture, was so much a matter of proud and sturdy workmanship that it has been abandoned. In it the sill, plate,

posts, girt, braces and studding for an entire side (of at least a single story) of the house were fitted together on the ground, mortised and pinned into an everlasting framework, then raised into position on the foundations. Every piece had to be a perfect fit and every joining had to be as strong as the solid shaft of always generously sized timber. Such methods today might be called anachronisms, even though a good majority of the houses built according to them still stand and will probably outlive others yet unbuilt.

At any rate, *full framing*, though superseded, has had a fine effect upon modern frame construction. For there has been a method in vogue, known as *balloon framing*, which lies at the other extreme. It con-

(Continued on page 146)

CHIMNEYS TO DELIGHT THE EYE

*Apart from Their Practical Purposes Chimneys Should Add to The
Decoration and Composition of the House*

COSTEN FITZ-GIBBON

A CHIMNEY is a feature just as significant in the appearance of a house as the nose is in the aspect of the human face. It is likewise an essentially utilitarian item of construction and cannot be eliminated or placed at will independently of the other factors that go to make up the structure. While there is a reasonable amount of latitude allowable in placing chimneys, there are also limitations that must primarily be observed.

The physical functions expected of the chimney determine two things—first, its position with reference to the plan of the house and, second, the height and girth of its stack. So long as the purely physical requirements are complied with, there is absolute freedom to deal with the chimney-stack on the score of composition and the pleasure it gives the eye.

Regarded from a composition point of view, the functions of the chimney-stack are (1) to give interest to the mass of the house; (2) to give character and the charm of sharp definition to the silhouette of the house; (3) to give balance to the design, and finally, (4) to impart accent and contrast.

If you would like to have a striking demonstration of the value of the chimney in the particulars just mentioned, try the experiment of cutting out in black paper the silhouette of a house and placing it against a white ground. Then cut off the chimney-stacks, or fold them over out of sight.

You will be amazed to see what a difference the amputation makes,—how deformed and lifeless the house looks without the chimneys, even when they are of the simplest and least conspicuous description. Without the chimneys the silhouette becomes more or less stodgy and top-heavy, like the hull of a ship sheared of its masts and funnels. The silhouette

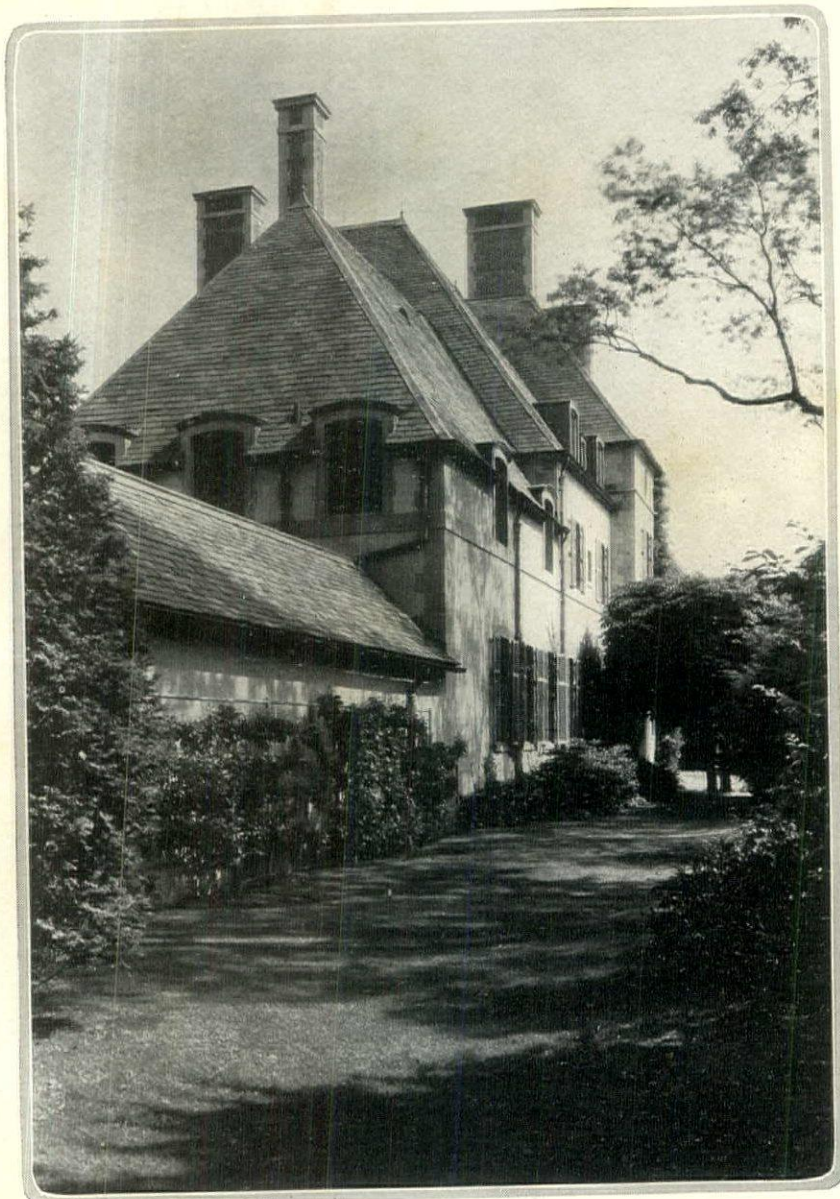
without chimneys might be the silhouette of a barn. The chimney-stacks are the outward symbols of warming fires and human habitation. View the mass of a house wholly in silhouette, and you realize how important chimneys are as accent points.

of stone while the walls are of brick. Or, again, there may be a chimney-stack or a group of chimney-stacks of brick rising from a roof of tile or slates while the walls are of wood, half-timber or stone. The combinations possible are abundantly varied. A little thought expended on chimney forms would have made a vast improvement in the total result of many homes. Let us suggest some ideas for them.

First, there is the outstanding chimney that projects beyond the surface of the walls. Here structural contour gives character and interest without the employment of other means. Second, there is the chimney-stack rising sheer from the walls without any jutting projection to define its presence before it extends above the line of the roof. Here the contour above the roof line may be made a vehicle of emphasis or the surface and cap may receive some characteristic treatment. Third, there is the chimney-stack that rises at some point from the surface of the roof. In this case material, contour, surface decoration and capping may all be employed either singly or in combination to produce the effect desired.

The capping of the chimney is one of the most significant factors for securing desirable accent and individuality. A few simple mouldings will produce a result out of all proportion to the comparatively negligible cost entailed. If more elaborate effects are aimed at than can be ob-

tained by moulded cappings and a modest necking, there are such devices as paneling, spiral twists, carvings, chequerings and the like, but it is remarkable how much can be done merely by the structural contour without resorting to any specifically decorative efforts. In every instance the chimney design should fit the architecture of the house



Gillies

The decorative aspect of these chimneys has been obtained with stone framed brick panels and simple moulded top. This type is characteristic of the Chateau style of house. The owner of the house, which is at Newport, is Moses Taylor, and the architect, John Russell Pope

When we regard the composition of a house in broad daylight, chimneys may impart accent and contrast in two ways—either by their contour or else by being constructed of some material different from that of the house walls. For example, if a chimney-stack stands out in projection from the walls at a gable end, it might be



Gilles

In the design of Georgian and Colonial houses chimney-stacks played an important rôle. Here they are a pronounced extension of the wall in the home of John F. Wilkins, Rockville, Ind. John Russell Pope, architect



(Below) The upper panels of this large chimney-stack show what can be done with brick to give a decorative effect. It is the home of S. L. Vanderveer, at Great Neck, Long Island. The architect was L. P. Ward



A brick paneled top with pots rises above the boulder and plastered base of this half-timbered house at Great Neck, L. I. Frank J. Forster was the architect

(Left) A decorative effect is obtained by the very contour of this chimney on the home of William Beard, at Jericho, Long Island. Howard Major, architect





The living room shown on this and the following page is in the New York apartment of Chandler W. Ireland. It is an extremely colorful room due to green and white toile paper panels, an interesting assortment of upholstery fabrics, and some charming accessories



On one side wall is an attractive group consisting of a fine old walnut commode surmounted by a Directoire lacquer mirror with a painted glass panel at the top, a small book table, also in walnut, and a graceful Louis XVI armchair in black and gold brocade

A DECORATOR'S
OWN
APARTMENT



Slender Normandy book cabinets with pierced and arched tops fit nicely into the narrow spaces on either side of the doors. The curved sides of these inspired the design of the radiator boxes shown at the left

The wall space surrounding the panels is painted pale green—a nice contrast to the hangings of red and cream striped faille and the draw curtains of gold gauze. Decorations by Chandler W. Ireland

G. W. Harting

WHAT PORTABLE GAS WILL DO

Those Who Live Beyond the Reach of Regular Gas and Electric Service May

Solve Their Cooking Problems with Bottled Fuel

ETHEL R. PEYSER

WE have studied in these pages home-made electricity, home-made ice and other domestic phenomena, and now we arrive at the home gas plant, which is an appliance employing a product sometimes called "bottled" or compressed gas, because it is brought to your home in cylindrical tanks and piped from these tanks, instead of being piped from the city or district gas plant or from natural gas sources.

For the most part, this portable gas is made from natural gas or products of natural gas, treated to laboratory processes and tests and compressed in a pure state. Some varieties are meant only for cooking and heating, but there are others that can be used for illumination as well.

The complete equipment consists of a cabinet, made of steel and mounted on a concrete base, into which the cylinders of gas—usually two in number—are fitted on delivery. The gas is in liquid form, and vaporizes as it flows from the tanks into the piping. The average cylinder holds fifty pounds of liquefied gas, although some firms supply a cylinder of larger capacity. The tanks are connected to a pressure reducing system, and when the contents of one of them are consumed, connection with the new one is made by the turn of a valve.

The cabinet is unobtrusive and weather-proof, and can be set up without difficulty in some convenient spot behind the house. If initially installed in the proper way by the company itself or by a licensed gas fitter or plumber recommended by the company, the equipment requires no further care until the gas in the cylinders is consumed and it becomes necessary to renew the supply. This is taken care of by the company, which maintains a Service Department for the purpose. It is the better part of valor to notify your purveyor of gas as soon as the contents of one cylinder have been used, so that you will always have a reserve fund on hand.

AS TO COSTS

The home gas plant is, all things considered, really an inexpensive method of solving a troublesome problem and relieving a trying situation. The initial cost, covering the complete equipment—the cabinet, piping, cylinders, gas, and in some cases the cooking range with which it is to be used—generally runs from about \$200 to \$500, depending, of course, on the type and quality of the equipment chosen. Installation charges are included in this.

The cost of the gas itself, in use, equals that of electricity at three cents and four cents per kilowatt hour. It costs less than city gas at \$3.00 per thousand feet, and is a little more expensive than coal. In return for this expenditure you have a fuel which insures evenly heated living quarters, a cool kitchen, swift cookery, a happy absence of soot and ashes, and, in some installations, a satisfactory source of illumination. In addition to all this, you have the comforting assurance of the fact that the system has been approved by the Underwriters' Laboratories of the National Board of Fire Underwriters, which is adequate proof that it is as safe as it is possible for any light-and-heat-producing device to be. If you live in a vicinity where there is no gas main, no electricity cheap enough for cooking or no electricity at all, and no oil route, these are points worthy of your careful consideration.

REMEMBER THESE

Before arranging for the installation of your home gas plant, before even selecting the company from which you are going to purchase, consult your best local hardware dealer or plumbing concern, for they will know the gas firm that will give the most reliable service in your section of the country. Proper installation is of the highest importance, but the most efficient equipment is useless unless certain continued service in renewing your supply of gas is assured you. Buy your gas from a well known, long established, financially responsible firm, and one that has been authoritatively recommended.

Be sure that your gas equipment is one of those that has been approved by the Underwriters' Laboratories. Also, that each of your tanks holds at least 2000 cubic feet of gas, and requires no guidance except from the supply man. As for the gas itself, it should not deposit soot on cooking vessels; it must be of a quality that does not freeze at ordinary low temperature—even at forty degrees below zero; and it must always be uniform throughout the cylinder, regardless of the point from which it is being drawn.

Bottled gas can be used with any good gas range, if certain slight changes are made in the orifice leading to the burner. Adjustments of this kind are arranged at the time the gas plant is installed, and need not be worried about again. Of course it is always better to purchase gas appliance

and range at the same time, as this insures perfect co-ordination.

Certain gas heaters with proper orifices (burners) work very well with some of the portable gases. This is another matter best decided on by the dealer.

Any good ironing machine will work exceedingly well when heated by portable gas, if it has a good and sufficient air mixer, for most of these ironers are built for a low B. T. U. gas, and portable gas is a high B. T. U. gas and needs more air to help its combustion.

With proper adjustments, water heaters have been found to take very kindly to portable gas.

Hot plates and laundry stoves can be comfortably used with portable gas, as they are usually equipped with air mixers.

Quite different from the "bottled" gas equipment we have been considering is the gas machine, producing a fuel which is made on the premises by reducing gasoline to a gas under pressure. This machine makes gas for illuminating and cooking. It consists of (1) An air pump operated by water and air, placed in the cellar, supplying air to the generator and sending the resultant gas through service pipes; (2) A gas generator buried in the ground; (3) The mixer buried in the ground near the generator and equalizing the gasoline vapor (from generation) with air, in order to afford a smokeless, uniform gas for burning. It is not costly to run, and it is worth your while to investigate it before you buy your gas plant.

GAS MACHINE ADVANTAGES

This machine and others of its kind eliminate delightfully:

Cost of wood for kindling fires, and of labor in attending to them.

Cost and labor of removing ashes, not only in bulk from stoves and premises, but also in the form of dust from the house.

Cost and labor of cleaning range, flues and chimney.

Cost of extra space required by coal outfit and storage of fuel and ashes.

Cost of wear on cooking utensils, which always last longer when gas is used.

Increase of fire hazard and insurance rates because of danger from overheated flues and defective chimneys.

Greater cost of maintenance.

Time wasted in regulating fire.

Waste of food in cooking due to inability to regulate temperature properly.

A LITTLE PORTFOLIO of GOOD INTERIORS



Although more amply furnished than the majority of American living rooms, so balanced is the arrangement of large and small pieces in this English drawing room and so happy the selection of accessories that the resultant effect is one of dignity combined with great livableness. It is in the home of W. B. E. Ranken, Warbrook, Eversley, Hampshire



M. E. Hewitt

Pale green walls and antique yellow silk curtains make a charming background for the attractive assortment of 18th Century French and English furniture and accessories gathered in this living room in a small house on a roof top. Miriam Smyth was the decorator who planned it

The apparent size of this attic guest room is increased by a picturesque landscape paper in shades of green. Rose tones predominate in the checked chair covering and hooked rugs. In the home of Mrs. Charles E. F. McCam, Oyster Bay, L. I. Thedlow, Inc. were the decorators



The two rooms shown on this page are in the Palm Beach residence of Adam G. Thomson. The long living room has pale yellow walls, and a cypress ceiling washed over in green-blue tempera. The furniture is a mixture of Italian and Spanish pieces that go together excellently.

In this very colorful dining room the walls are yellow-green, the curtains brilliant printed linen with a turquoise blue ground, and the chairs entirely covered in old red velvet. The floor is terra cotta tiles, inset with colored Spanish tiles. Ruby Ross Wood, decorator



F. E. Geisler

PECANS AND OTHER NUT TREES

As Ornamental Subjects and Producers of Delectable Table Delicacies

This Tree Class Deserves a High Place

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

NUT-BEARING trees were among the first trees planted by man, and nuts of various sorts have been eaten by the human family from the earliest times. The Pecan-tree was probably the only tree planted by the North American Indians. In the tropics the Cocoanut, and in the temperate regions the Walnut and Hazel-nut trees have long been grown for their nuts and the industry is of great commercial importance. Today in America nut growing is steadily increasing and must in time become an industry of first magnitude. On the whole, however, the growing of nuts has lagged so far behind that of succulent fruits that in importance the two industries bear no comparison. Possibly they never will, but it is safe to assert that nuts are destined to have a more important part in our diet in the future than at present.

In the case of succulent fruits man has from the long distant past striven to improve their size and flavor, and his efforts have been abundantly rewarded. With nut fruits the story is different, though undoubtedly primitive man ate the acorn, walnut, hazel-nut, pecan and pine-nut long before he did succulent fruits. The acorn has fallen into disfavor, though that of *Quercus ballota* is still eaten by the

peasants in Spain as in the days of Don Quixote. North American Indians also eat the acorns of certain Oaks. The nuts of the Beech tree are sweet and good flavored and are eaten sparingly; the seeds of the Swiss Pine (*Pinus cembra*) are eaten in Europe, and in Siberia they are a very important article of food. The same is true of the Korean Nut Pine (*P. koraiensis*) the kernels of which mixed with honey make a delicious sweetmeat. In Mexico and in western North America the seeds of several species of Pine are eaten, including those of the Sugar Pine (*P. Lambertiana*).

The European Hazel-nut has been im-

The largest of the Asiatic Chestnuts is C. Henryana, sometimes 100 feet in height. Apparently it is resistant to the disease which has all but exterminated our native species in the eastern States. Its nut is small but very sweet

proved and such forms as the Cob and Filbert established; probably the common Walnut (*Juglans regia*) has been subjected to like treatment, but for all practical purposes selection and cross-breeding among nut fruits has only recently begun. In this country the growing and breeding of nut trees are beginning to receive some attention and the future will see a tremendous advance in this work.

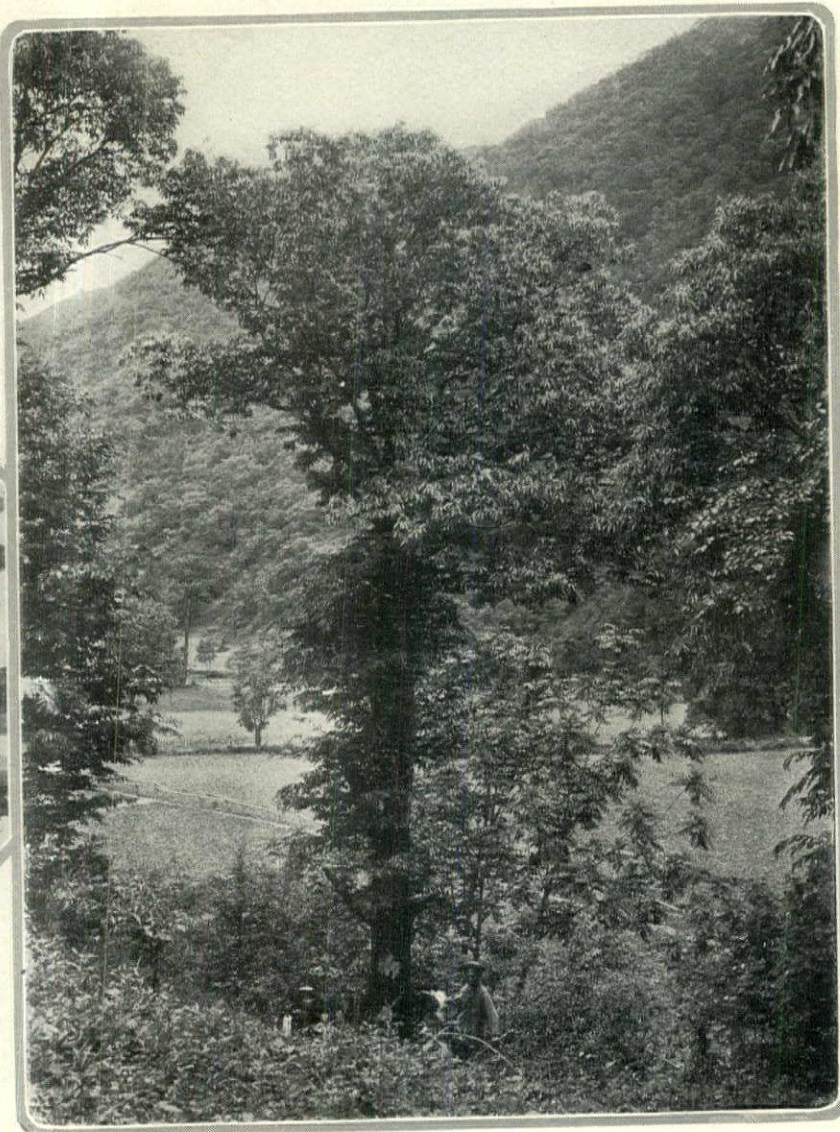
The most valuable nut in the world is the Cocoanut, the product of a tropical maritime Palm (*Cocos nucifera*). Many other nuts are grown within the tropics, but few find their way into our markets. The Brazil-nut (*Bertholetia excelsa*) is familiar to all, and in recent years the Pili-nut (*Canarium commune*) has been not uncommon in city stores.

This article deals only with those grown in temperate lands, the number of which is quite limited. The most important are

the Walnuts, of which, if we include the Butternuts, there are about a dozen species. The most valuable is the common Walnut (*Juglans regia*), the classical "Jovis glans" and the "Nux" of Greek poets. It grows wild in the Balkan peninsula and eastward through Asia Minor, and is grown in quantity in all but (Continued on page 118)



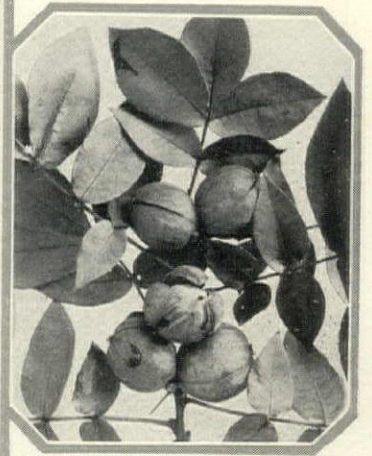
The fruit of all the Chestnuts is edible and in some countries is an important article of food. No real preventive has yet been found for the blight which has killed American trees



Among the American bush Hazels C. americana holds a prominent place. It is a broad shrub from five to twelve feet tall, found from New England southward, and a worthy subject



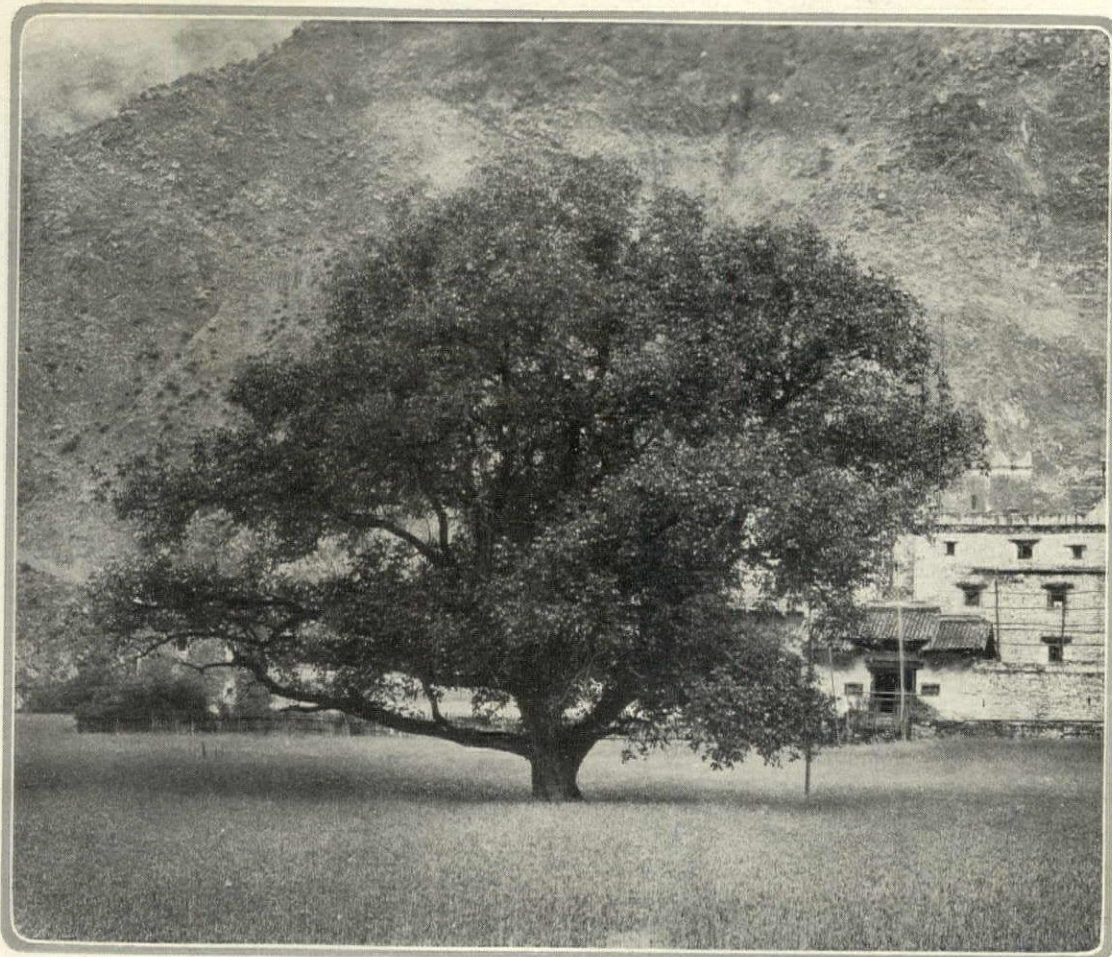
Pecans are of considerable commercial value in the South, where their annual nut crop is an important item. The tree is not hardy in the North, unfortunately, for it is a giant in height



The Shagbark Hickory is *C. ovata*, a tree native to the northern States. It is readily propagated by sowing, thus avoiding the difficulties of transplanting which are caused by the long tap-roots

(Below) The common Walnut is the most cultivated and best appreciated nut tree in the temperate regions. At its best it is a broad, massive tree with rounded crown, strikingly handsome

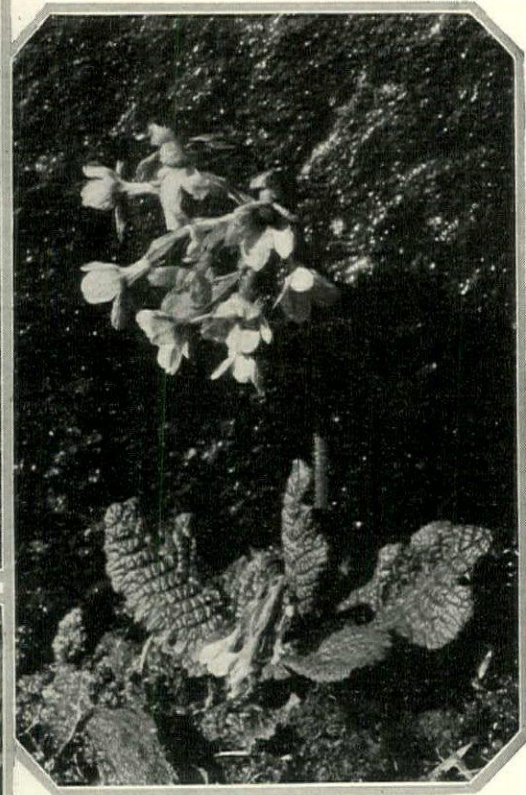
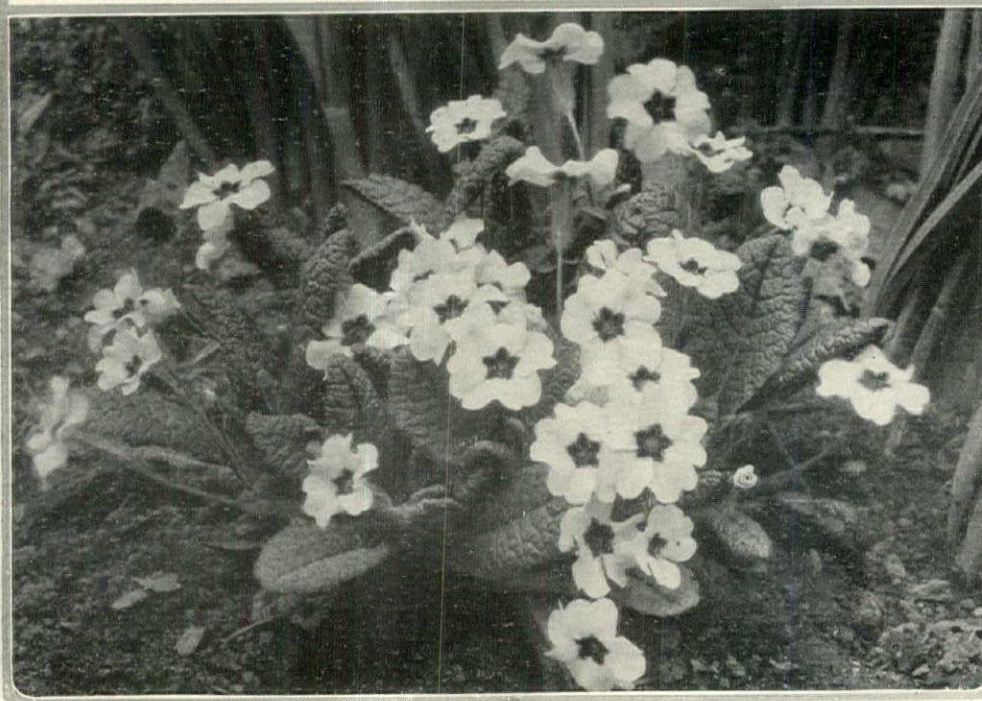
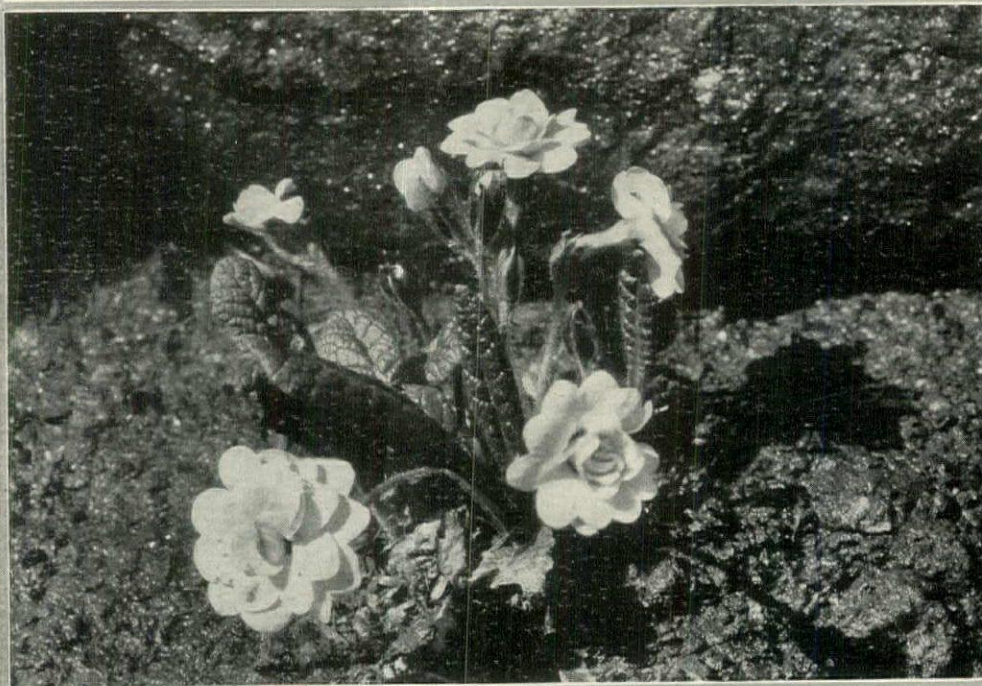
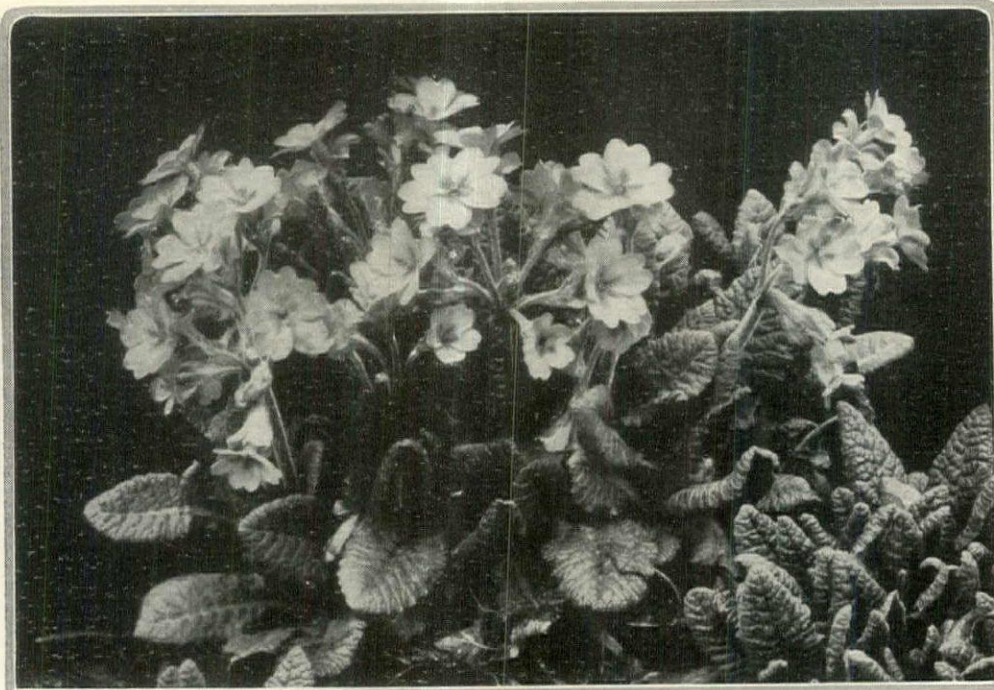
(Left) Those who are accustomed to the bush-like Hazels native to America are surprised by the size attained by related oriental species. This fine specimen of *C. chinensis* is in Central China



THE PRIMROSE AND HER COUSINS

LOUISE BEEBE WILDER

IT IS rather extraordinary when so many plants from overseas have found a congenial home in America, many of them running wild in the fields and disporting themselves along roadsides and water-courses, that the Primrose and her sister Cowslips and Oxlips, plants wide-spread and abundant in all the counties of the British Islands and over most of Europe, should not only have gained no foothold in our wild, but have only the most meager representation in our gardens. It is the more to be wondered at since these flowers have ever been cherished in the gardens of the Old World by high and low alike, and there can be no doubt that many roots and



Healy

The Oxlip, *Primula elatior*, is kin to the Cowslip and in the improved forms carries very large, pale yellow flowers borne in a loose, one-side bunch

(Top) Oxlip Hose-in-Hose comes in charming color combinations. Pale buff and rose is a favorite early bloomer (Center) The double Primrose is the spoiled child of the family for it demands more attention than the others

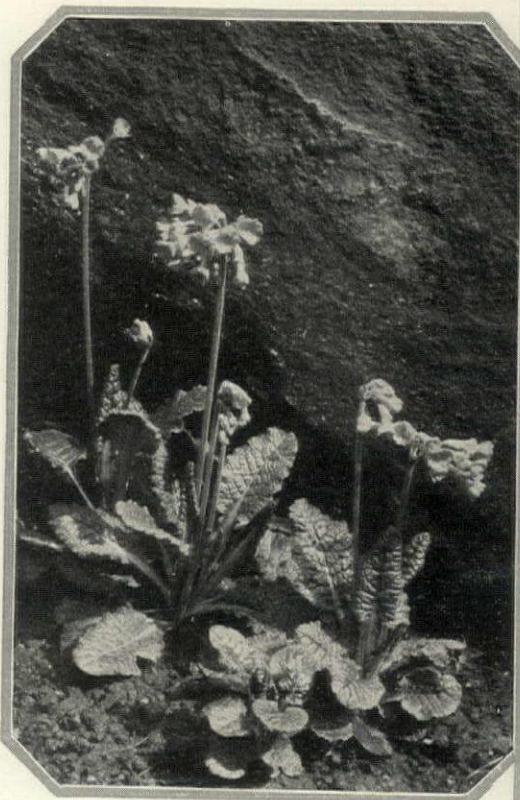
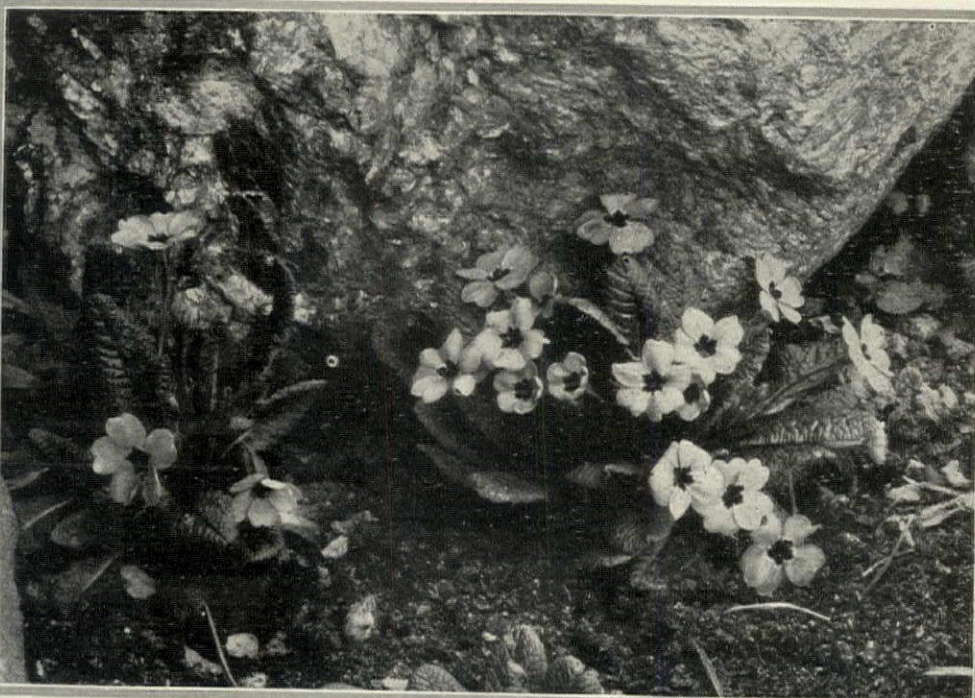
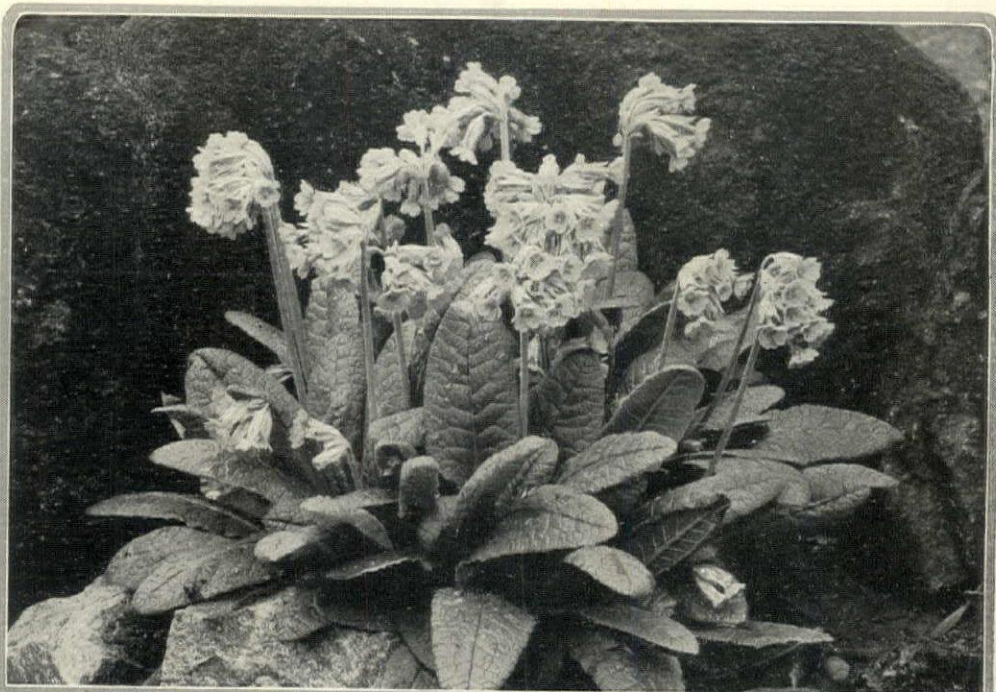
(Left) A clump of the true English Primrose blossoming in a sheltered hollow in the author's garden at Bronxville, N. Y., toward the end of March

seeds of them were brought here by the Colonists in a wistful attempt to implant in the unknown country something of the remembered sweetness and friendliness of the home springtide.

What befell these early plantations of pale Primroses and nodding Cowslips who can say! Books on early American gardening are silent concerning them. Their names, indeed, endure, but fitted to American-born plants that in no wise resemble, or are related to, those whose names they have borrowed: The Marsh Marigold is, in many localities, called Cowslip; *Mertensia virginica*, blue and pink beauty of low grounds along the Atlantic coast, is the Virginian Cowslip; *Oenothera* is the Evening Primrose, and often just Primrose, and there are other examples that might be cited.

Just why in all the years between those early times and now this delightful race of plants should have been so neglected in this country is difficult to understand. Perhaps the first failures to establish them under the more rigorous climatic con-

(Continued on page 102)



This quaint little floral conceit is the Cowslip Hose-in-Hose, which is much prized in old-fashioned gardens. It deserves more notice in America

(Top) Cowslip, *Primula veris* or *P. officinalis*, an easy grower, is delightful both for gardens and cutting

(Center) Blue-flowered *Primula* bloom in November and often as late as December in the region of New York

(Right) Here are young plants of *Polyanthus* or Bunch Primrose, not yet showing the full quality and size characteristic of the mature plants

THE MAKING of A NEW ROSE

*How the Seed Is Planted and Germinated, the Seedlings Cared For,
and the Stock Increased by Budding*

GEORGE C. THOMAS, Jr.

IN THE first article on this subject (December **HOUSE & GARDEN**) were given instructions in artificial hybridization for the propagation of new varieties of Roses, and certain hints as to the seed parents to be used, together with other matters pertaining to the work.

That article reached the point where the Rose hips containing the seeds were ripening on the plants. If the work was done with outdoor plants, it is only necessary to allow the hips to ripen in the natural way, being careful to watch that no outside influence disturbs them. If the cross-breeding was done indoors on plants in tubs or pots, these should be taken from the greenhouse in the early spring, after danger from frost is over, but before the heat becomes too intense in the greenhouse. In speaking of such plants, one does so with reference to work in the East in a greenhouse which has been heated during the winter. The tubs or pots containing the plants should be submerged in the ground and the seeds allowed to ripen outdoors during the summer. It is wise to cover the plants with closely woven wire, so that squirrels and other interferences may not harm them.

PRIOR TO GERMINATION

The ripening of the seeds has been the cause of a number of experiments lately. There is a very good article in the 1925 American Rose Annual regarding such ripening, where it is claimed that the Rose seed should be subject to a temperature period approximating 40° for the quickest and most certain ripening and resulting high percentage of germination.

In Pennsylvania all that was found necessary was to allow the plants in their pots to remain outdoors, including the month of October. During this latter time they would undergo a number of frosts and not be subject to any high temperatures. Such seed was gathered in November. In California the work was done outdoors during the summer, and the hips were allowed to remain on the bushes until after the January and early February frosts.

The Pennsylvania seeds, which were hybridized indoors and allowed to ripen in the pots outside, gave a higher percentage of germination than the California seed which was hybridized outside and allowed to ripen outside. This bears out the theory above noted regarding the 40° ripening period, for the frosts in the location used

This is the second of two practical articles by one of America's leading amateur Rose breeders. The first, in the December issue, dealt with the production of seed from which new varieties could be developed

in Southern California were very light ones, and the day temperature that the seeds experienced was quite high, even in January.

In this connection it was found that the best germination in California was obtained from seeds of Tea Roses, and the thought occurs that perhaps such seeds, owing to their parentage, do not require as much cold for their ripening as seeds of Roses whose forebears grew in a colder climate.

For practical purposes the method used in Pennsylvania will be found to give very good results, although a greater percentage of germination is, of course, most desirable. It would seem wise for experimenters to work with the new process mentioned in order to find at what ripening temperature germination is highest.

In the California work germination has not been as satisfactory as could be desired, and in climates with little frost it is specially recommended that the hips be left on the plants until they are thoroughly colored, as it is found that ripe seeds give a higher percentage of young plants. The methods afterwards followed have been found practical for seeds produced by either outside or inside systems, East or West.

ACTUAL SEED SOWING

Until recently seeds were planted in flats, a lot of them together, and by this system they were all subject to any danger which might threaten. For example, if a cut-worm found its way into the flat after growth had commenced, it would kill many seedlings in one night. Furthermore, under the old method the soil used for the seedlings was not sterilized; and as all these seeds are most valuable, the following method is suggested:

Each seed should be planted in its own very small thumb pot. This pot should be washed in a weak solution of formaldehyde; the soil mixture to be placed in the pot should be sterilized by being burned. The method employed is to place such soil in a large iron pot, and to burn a fire under

it. This eliminates all seeds or insects which may be in the soil, and kills all animal life therein. The mixture to be used should be one-third leaf mold, one-third finely sifted top soil, and one-third sharp sand. After planting the seeds the pots should be submerged in a mulch of sifted dampened ashes.

It has been found that mildew growth commences later on an ash mulch than on any other, although a sand mulch which has been roasted is also good. The pots are placed in this mulch so that the same may be watered and kept at an even moisture.

In our Eastern work the greenhouse was maintained at a low temperature, 60 degrees by day and not less than 45 degrees at night. This is another reason why our Pennsylvania germination was good.

In California our house was kept too hot at night by artificial heat and too hot by day from sun heat, because the chance of seeds returning to dormancy after being ripened had not occurred to us. While we realized that the California frosts had been few and mild, we failed to understand the danger of decreased germination by higher temperatures.

SUBSEQUENT CARE

In ordinary greenhouse benches with sides it is very easy to place therein the mulch of ashes and then to plunge the little pots in it, each one containing its seed planted just below the surface of the mixture recommended. After planting, cover the soil in the pot with a light mixture of roasted sand. This will deter the fungus growth which, from the watering, will eventually appear on the sides of the pot. This fungus is the greatest danger to young seedlings. The mulch should be kept well dampened so that the seeds will always be moist; and as soon as the green fungus is noted on the little pots, or on the sand on the top of the earth, a change must be made to protect the seedlings should they appear.

By having a sufficient number of pots it will be easy to wash the new supply to be used in the formaldehyde solution. It is then a matter of no trouble at all to tap the pot gently, removing the ball of earth containing the seedling from it. When this is done, all the sand at the top of the soil should be scraped off. It will be found that the earth underneath does not contain any of the green mildew unless this has

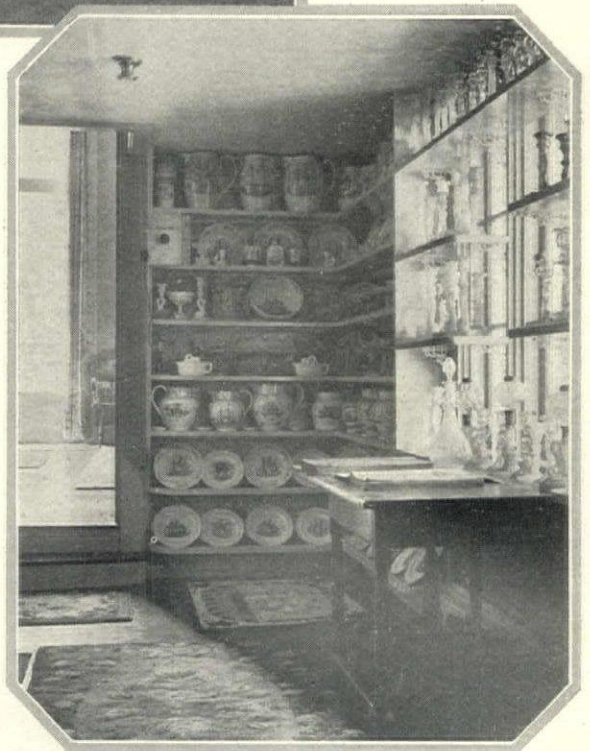
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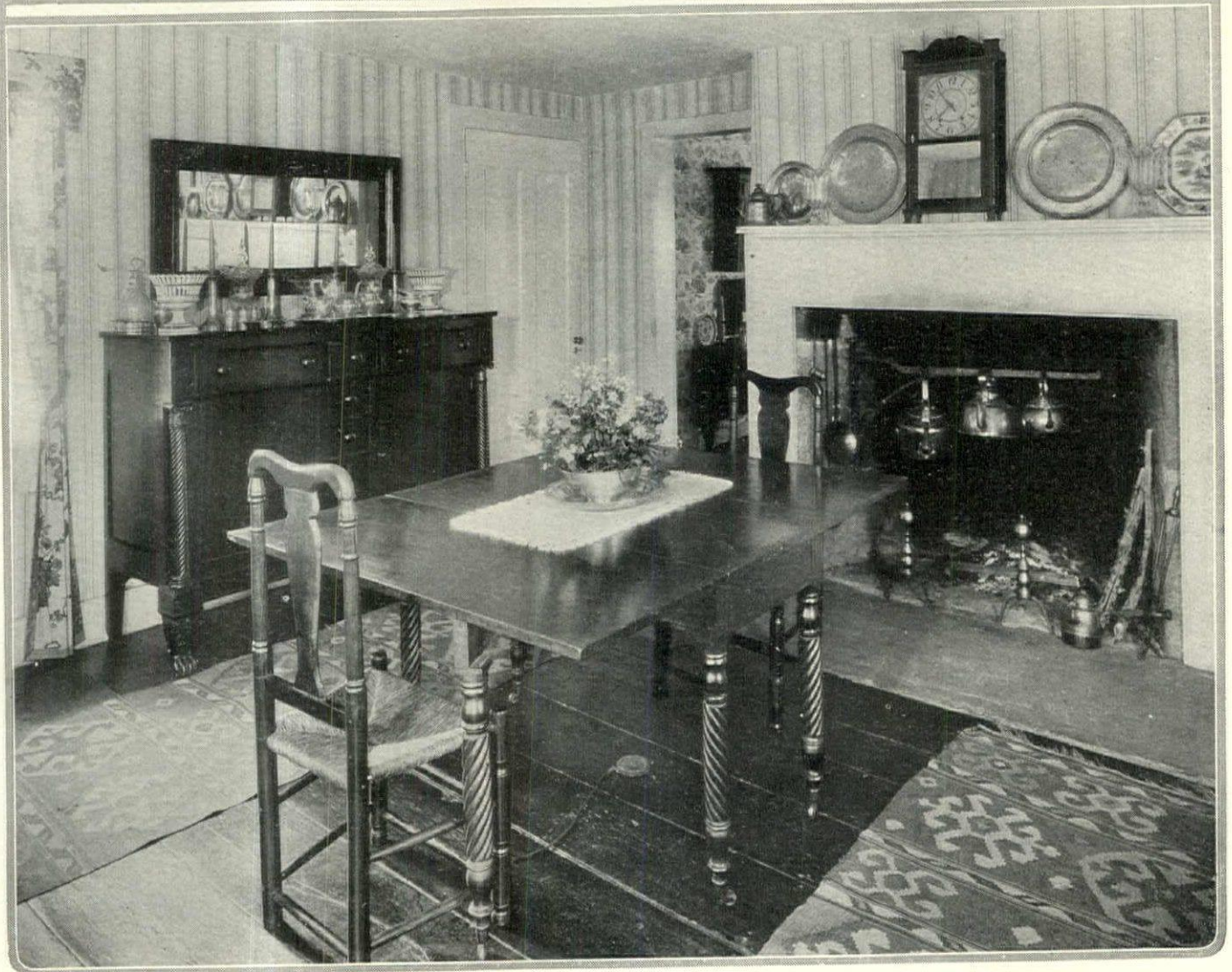
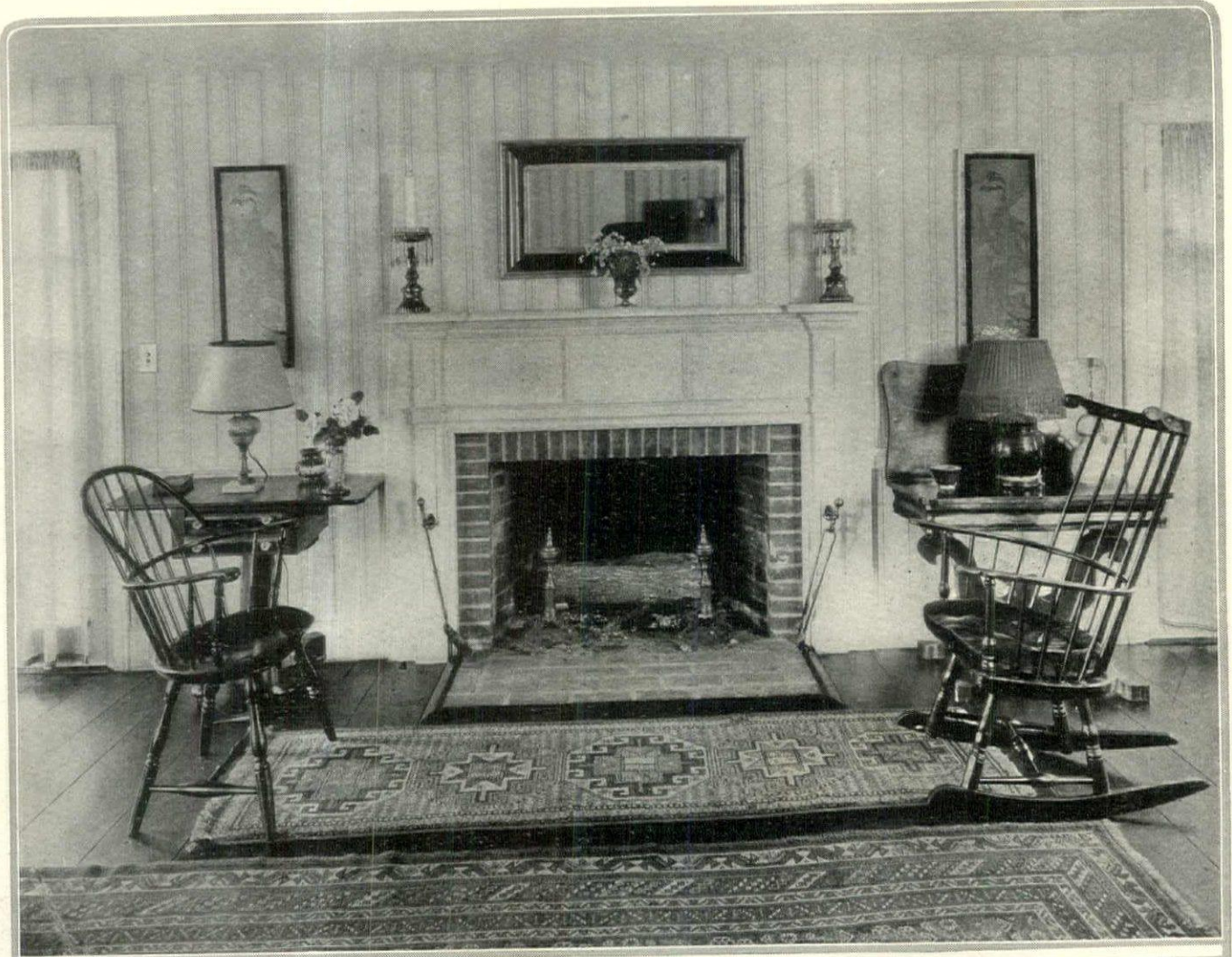
Being both an artist and a collector the owner, Carroll N. Tyson, built his summer home at Southwest Harbor, Maine, to accommodate his hobbies. This is one end of the studio

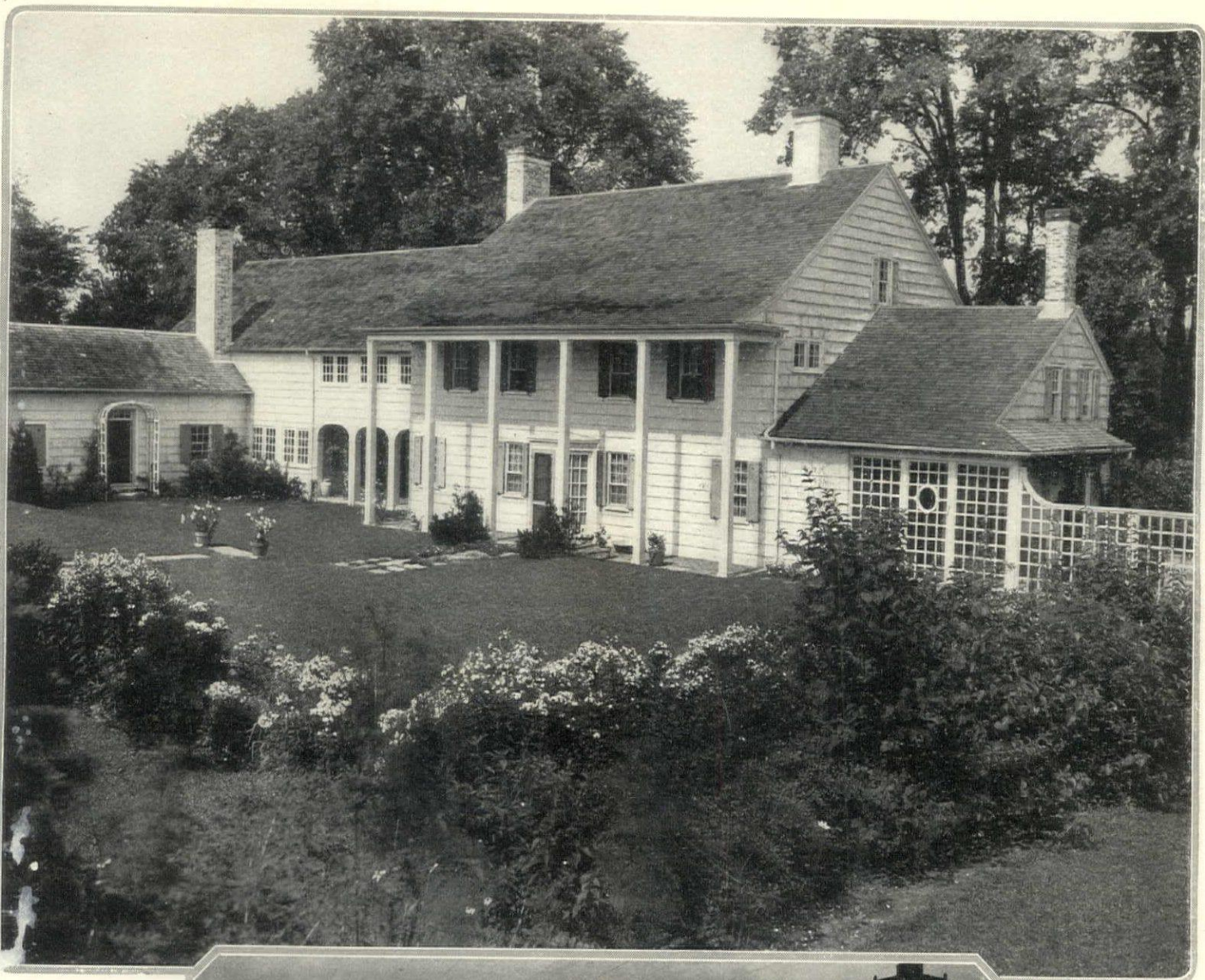
Ship models and pictures of ships are used extensively in the decoration of the house. The free space above the model suggests the open sea and forms an excellent background

A fascinating and satisfactory way of showing a collection of china and glass. The hooked rugs are in keeping with the subject. Edmund B. Gilchrist was the architect



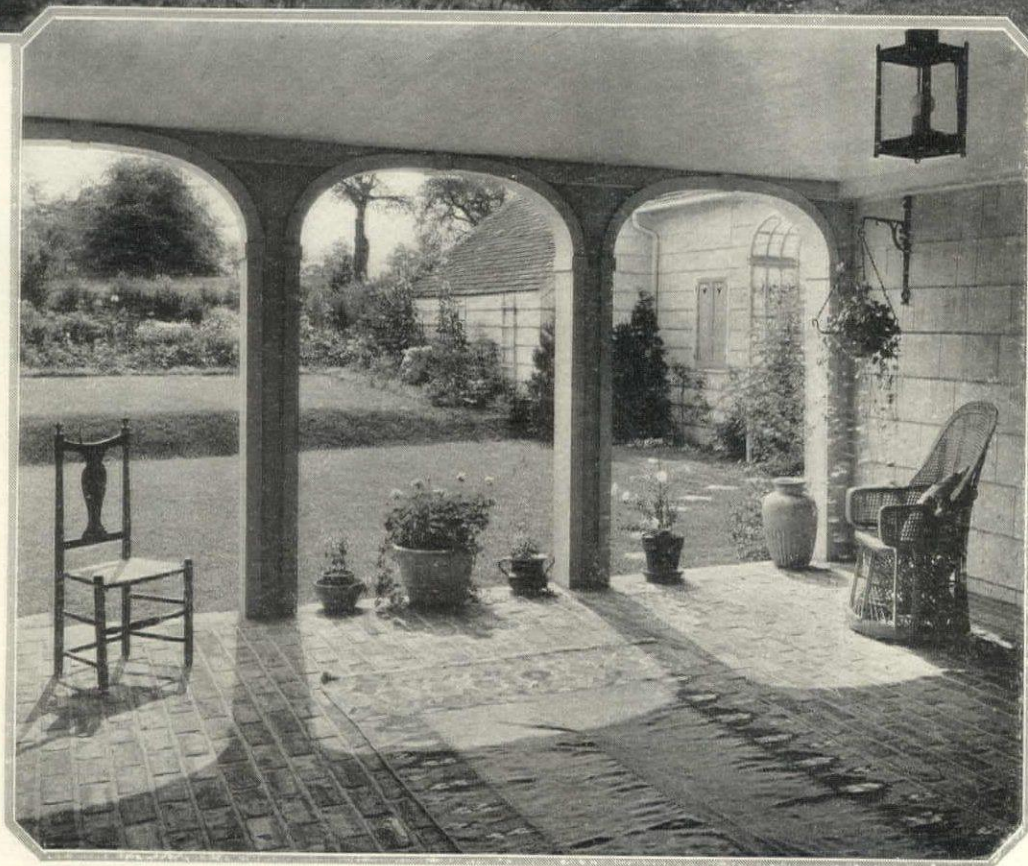
THE HOME OF A COLLECTOR





The home of Benjamin P. Vanderhoof, which stands on an elm-lined Connecticut side street, was made of an old farmhouse, a barn and sheds, linked by an arched porch. Calvin Kiessling, architect

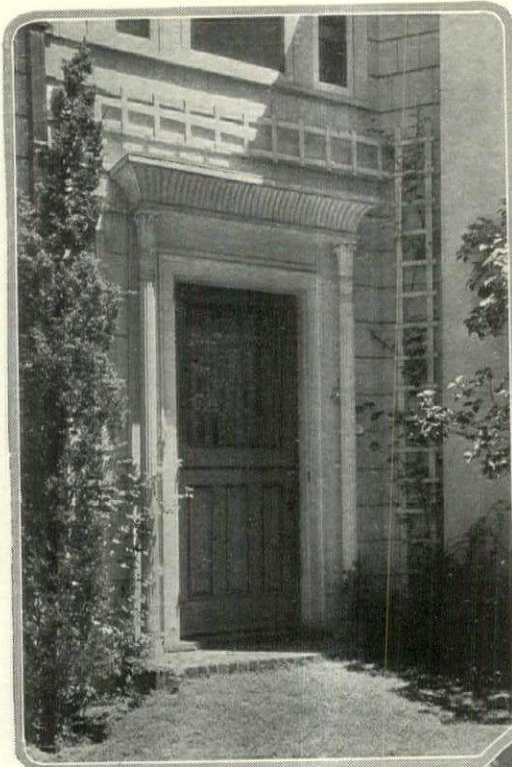
The arched passage that joins the house with what was the barn affords a delightful glimpse of the garden in its two levels. Above this passage is the sleeping porch. In the wings is the studio



Simple furniture of the type found in the early Connecticut farmhouse has been used throughout. The woodwork is painted oyster white. The broad-board floors and the mantels are original

In both the dining room and the living room has been used a café au lait striped paper with colorful chintz hangings and jade green silk glass curtains. The fireplace here has a broad stone hearth

A HOUSE AT NEW CANAAN, CONNECTICUT

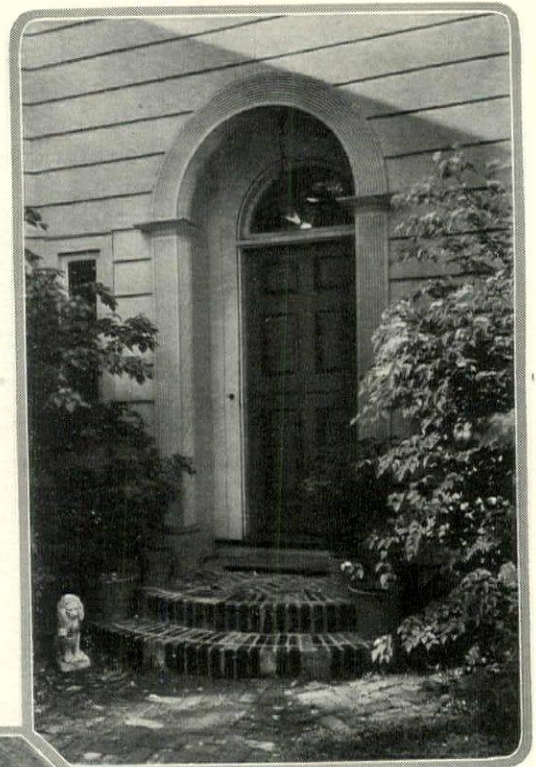


Gillies

A departure from the ordinary type of door for a Colonial house is found in this design on the home of F. R. Diels, at Glen Head, L. I. Pleasants Pennington was the architect

FIVE
GOOD
DOORS

On a house of rough plaster one of the best types is a round-top door of broad oak planks with heavy hardware and a simple leaded window. Julius Gregory, architect

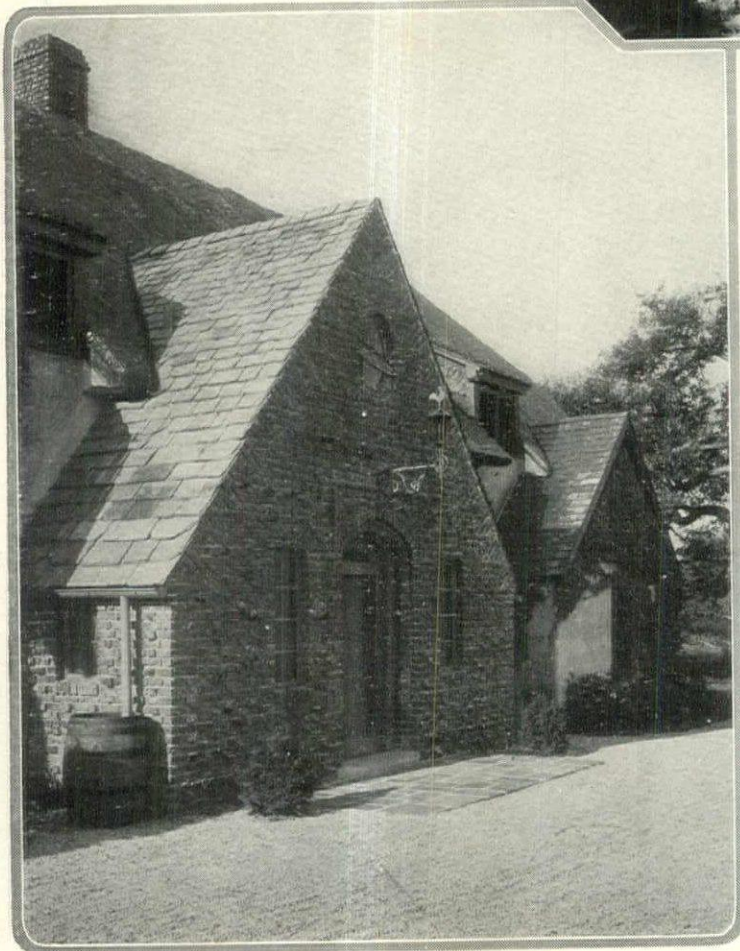


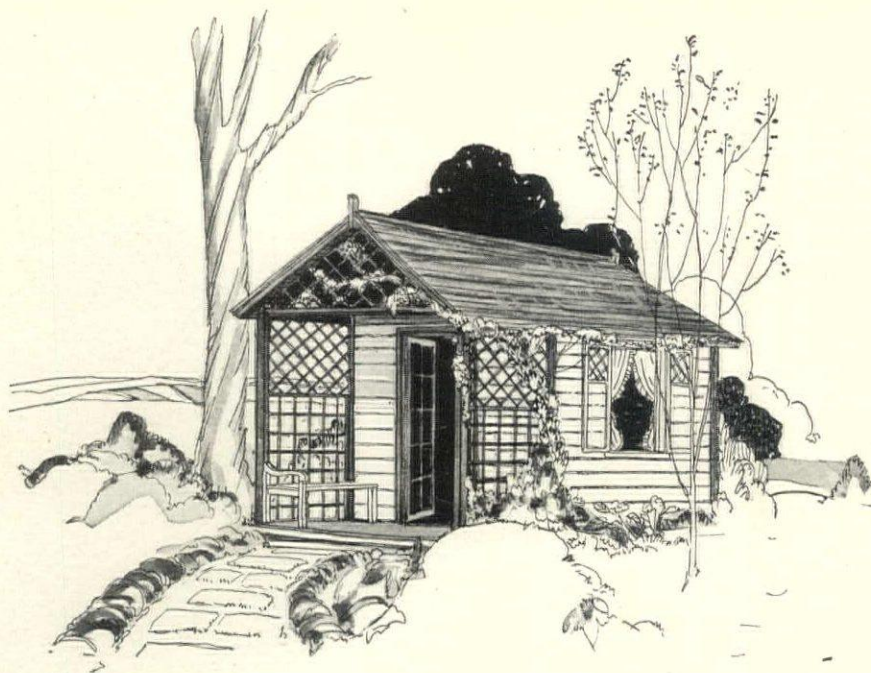
By repeating it in the outside portico opening, the fan light and the step, the semi-circle has given outstanding merit to this door designed for F. R. Dick by Pleasants Pennington



Among the architectural features of the Pennsylvania and upper Jersey stone farmhouse is the entrance portico. It has been reproduced in the home of E. S. H. Prendegast, at Short Hills, N. J. Charles M. Hart, architect

On an English cottage type of house it is often possible to accent the entrance by placing it in a projection. Howard Major, the architect of this design, the home of Wm. Beard at Jericho, L. I., has used brick for the purpose





The portable playhouse comes in a variety of designs and sizes. This type has one large playroom and a roomy porch. Courtesy of the E. F. Hodgson Company

THE PLAYHOUSE IN THE GARDEN

*This Happy Provision for Children Can be Made A
Feature of the Landscape Scheme*

CHILDREN, who indoors are supposed to be seen and not heard, are apparently not even to be seen when garden designs are made. One would almost think that the architects and landscape architects who design our beautiful gardens are a race of childless people. Whatever is done for children in the garden comes as an afterthought; it isn't made a necessary and integral part of the layout.

The child in the garden asks for very little, but asks for that very little insistently. It wants a corner of its own. In the beginning years the sandbox is almost a requisite. As they grow along, boys attain the cave man age with a shanty and girls get their first taste of domesticity with dolls. Both of these may be satisfied by a playhouse. You may be sure of it that if boys don't get a playhouse, they'll build a shanty. Where the boys predominate in a family it is perhaps more satisfying to them if they build the playhouse with their own hands. In that case, one of the portable, knock-down houses may answer the purpose. Two types are illustrated in this text. Or if a more permanent structure is desired—one that can be used for storage or a tool house when the children grow up—then the little stucco build-

ing illustrated at the bottom of this page might be advisable.

The last, as the photograph shows, has real architectural merit. The dimensions of the main part are six by twelve feet. The entrance wing is four feet wide and projects two feet out from the house. The ceiling height is six feet. The door is one foot eight inches by four feet. The walls are constructed of 2 by 4 studs with wire lath and stucco; finish floor is yellow pine; inside walls and ceiling are of wall board with wood trim.

The stucco is of light cream color, obtained by using natural sand and white cement—no coloring matter was used.

The texture gives a remarkable effect with its shades and shadows.

The roof is covered with asphalt slate surfaced shingles—of red shading to green at the ridge. In the fall the roof blends beautifully with the red of the sumac trees in the rear.

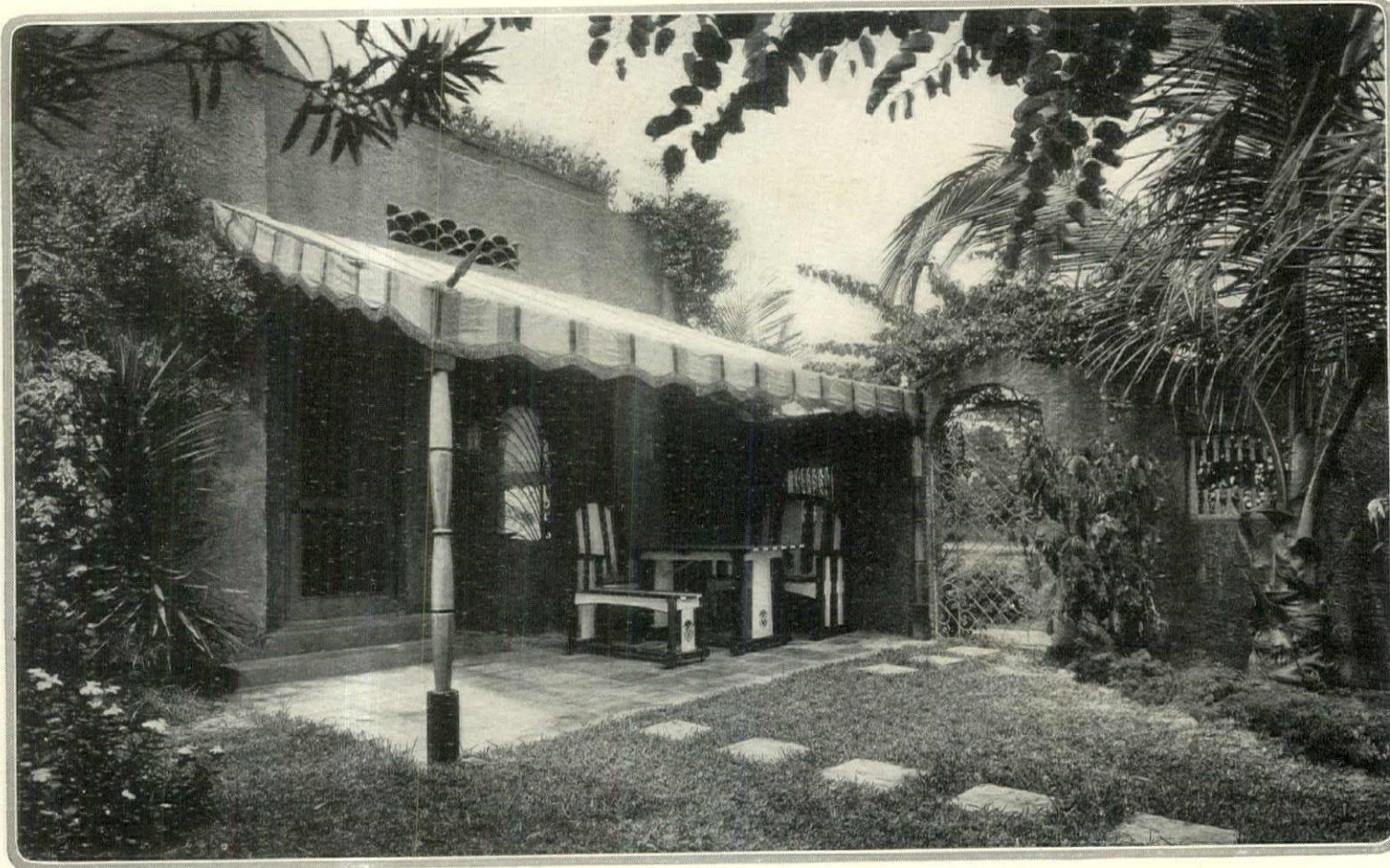
The outside trim, door, and casements are painted mitis green. The inside walls are painted gray green, the base and panel strips and window trim French gray, and the sash mitis green. Deep marigold curtains are hung at the windows.

The door is grooved deeply in vertical lines to represent the old batten doors. The hinges are made of lead, hammered in imitation of wrought iron. The lantern above the door is made of sheet copper and hangs on a bracket of strip brass. The ship in the recess at the roof peak is cut from copper and painted dull black. A flat ceiling over the little entrance wing provides an interesting shelf under the roof proper.

The location of the playhouse depends very much on the size of one's property, but as a general rule it should be placed near enough to the house so that parents are in close contact with it. It should, at least, be within sight and perhaps out of ear-shot. Where
(Continued on page 106)



A permanent playhouse made to scale is a feature of the country house of Mrs. John P. Shields at Hastings-on-Hudson, N. Y. A full description of it will be found in the accompanying text



The luxuriance expected of the Tropics is a natural quality in Florida gardens. It needs restraint lest it become too rampant, but is possessed of great possibilities when rightly guided. Its decorative value appears in the patio of the J. W. Humphries home in Coral Gables

GARDEN FEATURES IN OUR TROPICS

*In Southern Florida Is Found a Wealth of Plant Material that
Lends Itself to Splendid Garden Effects*

HESTER SCOTT

THERE'S magic in gardens the world over, but there's more than magic in the gardens of southern Florida. Here are found blended the exotic beauty of tropic blossoms, trees, shrubbery and apparently parasitic plants such as Mosses, Ferns, Orchids and vines clinging for support to overhanging trees, with the homely beauty of those flowers which found grace and loveliness in the gardens of our Colonial grandmothers. And for the dash of fire and romance we find a decided influence borrowed from the Old World gardens of Spain, southern France and Italy.

It is not possible to reproduce in this atmosphere of tropical America the splendor and formality of those gardens of southern Europe, the magnificence of their grand stairways, with cascading waterfalls and vast pools, the austere beauty of the tile-floored gardens where flowering plants live mostly in jars of earthenware. But it has been possible to effect, on a smaller scale, the enclosed patio with its limpid

pool, fountain and potted shrubbery, whose top is open to the sunlit sky. And there are possible scenic effects which only this combination of climate and soil may reproduce.

Throughout Florida's year may be seen the blood red of the Hibiscus flower, while Bougainvilleas, smothered in blossoms of purple and crimson, lend their wealth of color to the scene. And in the height of winter, when northern lands are white-quilted with snow, the gorgeous hues of the Bignonia, or Flame Flower, burst forth and transform the plainness of hidden fence, pole, or tree where they may find support, into a thing of flaming beauty. Then comes the soft-toned, blue-clustered Thunbergia, lending contrast to the background of exotic vividness and claiming admiration for its own more modest type of beauty.

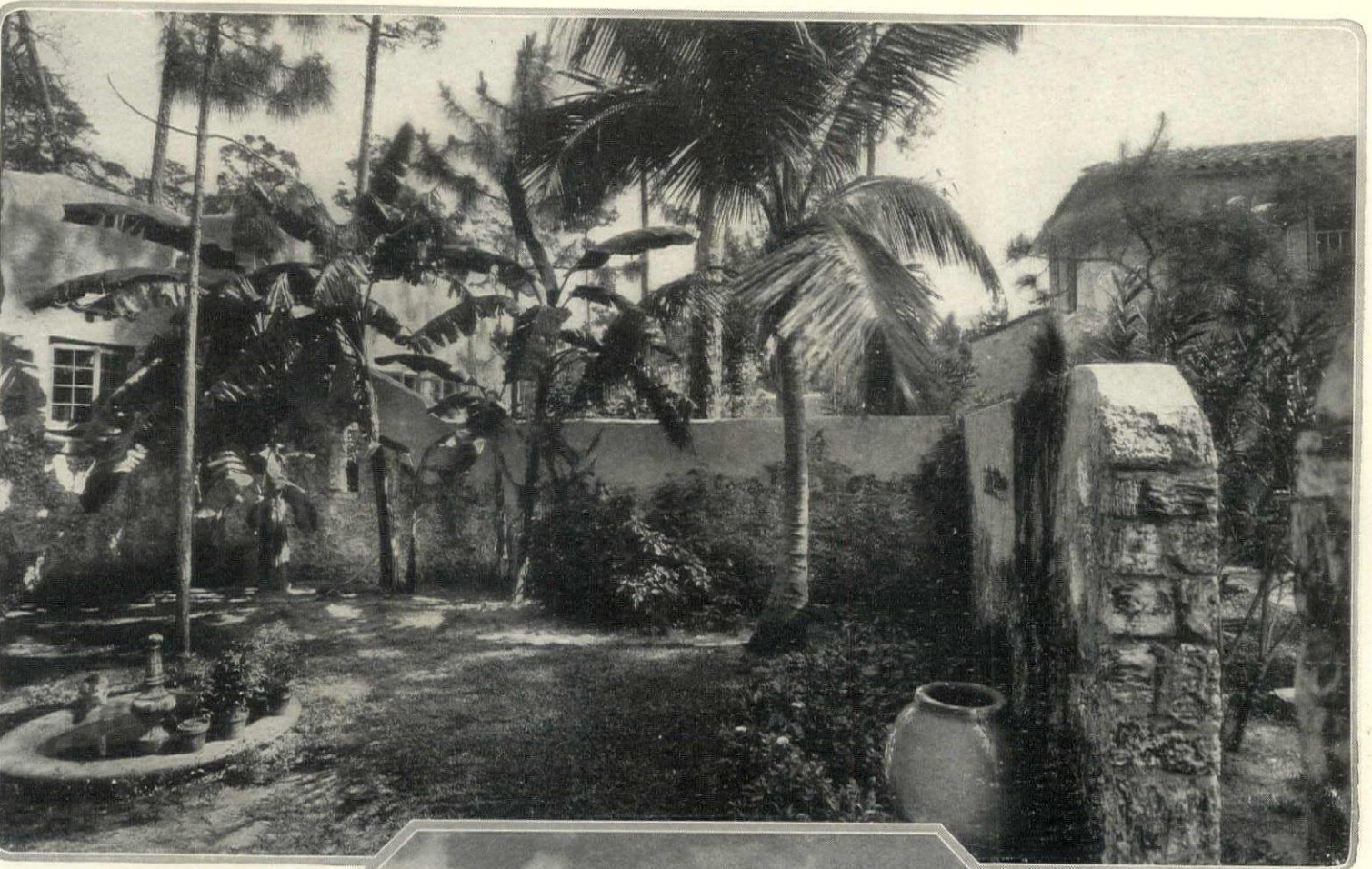
The Oleander of the northern flower jar here becomes a tall, bushy tree, bearing its blossoms of pink and white and forming

borders for a winding trail or background for a southern garden, lending dignity and atmosphere.

Planting, as well as blooming, is frequent in southern Florida and offers a schedule varied from that of any other part of the country. Thus those who make the tropic country a winter residence may direct their spring planting before leaving for northern homes and may easily resume with complete success on their return in the fall. All annuals may be planted from September 1st to December 1st, coming into bloom within their accustomed period. Shrubs, trees and vines are planted during the season of the spring-time rains, and may be carried well through the summer. It is not advisable to move tropic trees during the winter months.

Ferns, especially Maidenhair, which grows wild in many of the hammocks and small, grassy swamps of the section, are best planted during the month of October.

(Continued on page 116)

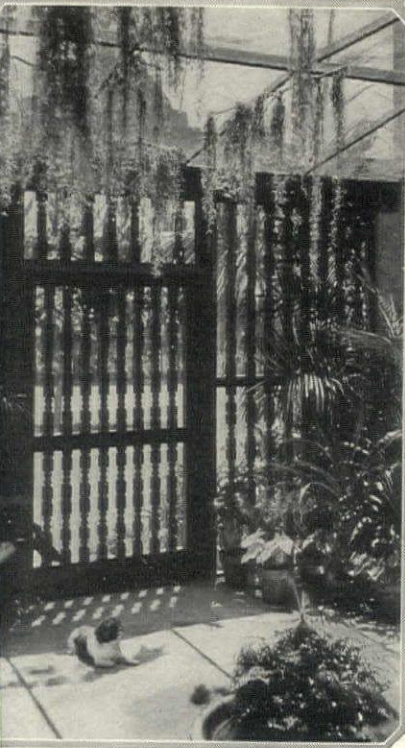
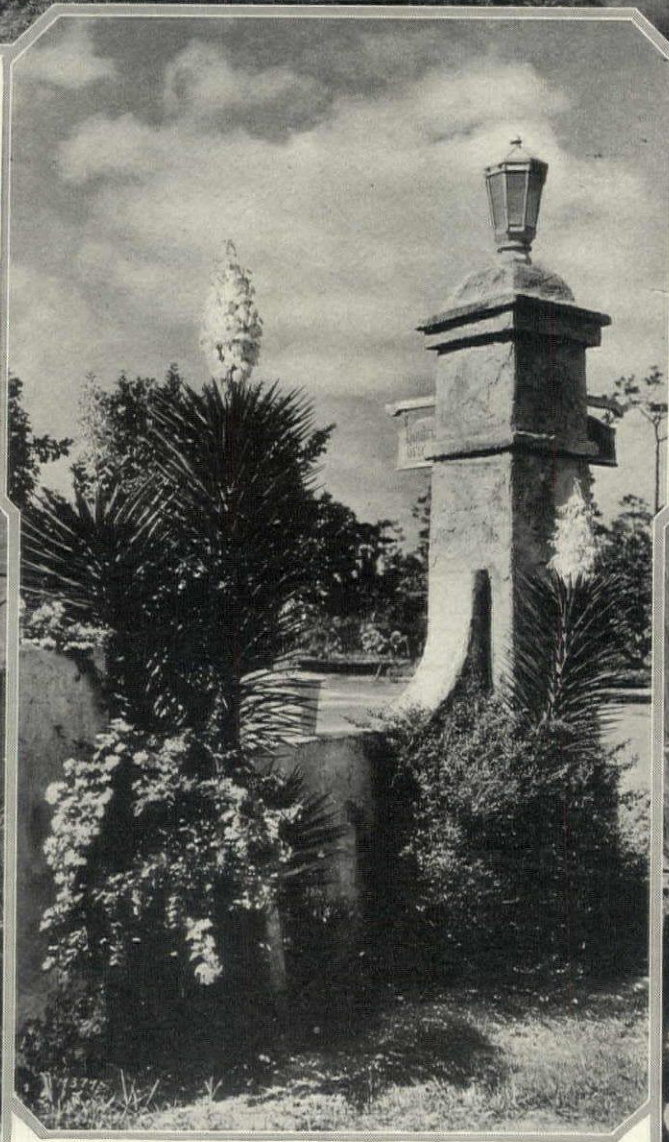


Tradition and climate justify the Spanish feeling in architecture and garden design. The shaded patio of George E. Merrick, Coral Gables, might have come from the Old World

(Left) The Spanish Bayonet, cousin of the creamy white hardy Yucca often seen in the North, is valuable as accents in mass plantings or along the prevalent enclosing walls

Much of the native plant material is exceptionally decorative in form, color or both. Spanish moss, for example, lends itself to graceful effects when hung from pergola or arch

Southern conditions are especially favorable to Water-Lilies. The mildness of the climate makes possible the growing of many of the tender varieties whose color range is wide





The courtyard is a feature of most houses found in Mediterranean countries. In Italy, as will be seen in the Villa Lo Strozzi in this issue, it is called the cortile; in Spanish countries the patio. Here it is paved with flagging and colorful with flowers. A cloister on the right leads to a guest house

One side of the courtyard is formed by a series of arches curtained off with heavy blue hangings and furnished for dances. The arches of this and the wooden curtained balcony above it are shown at the left. The tiles and marbles for the floor of this house came from an old monastery near Havana

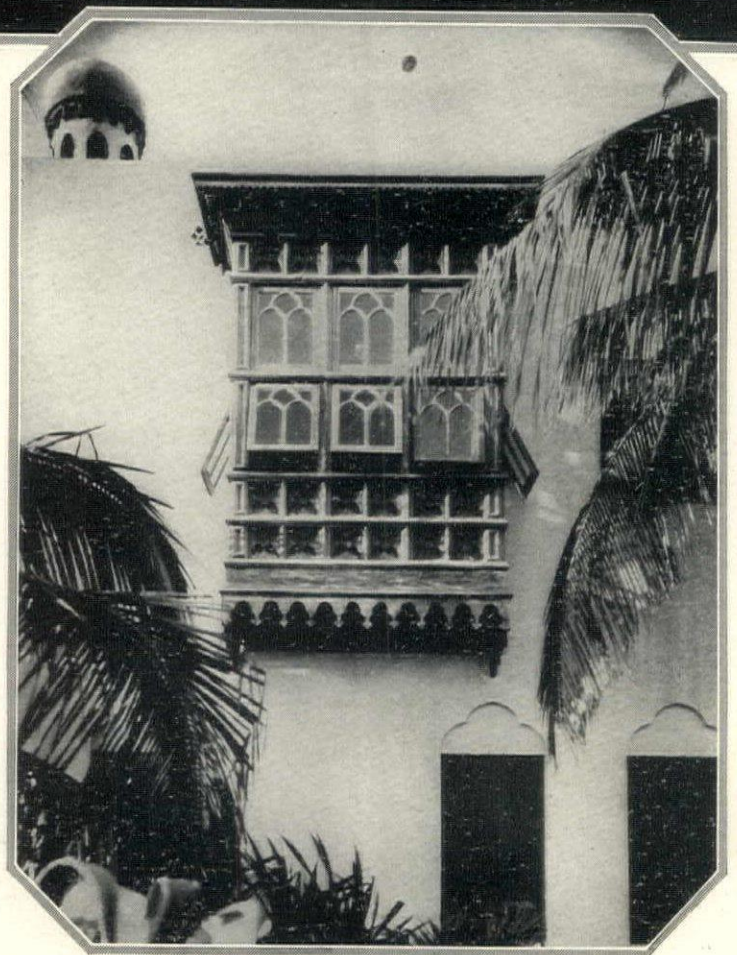
A MOORISH HOUSE

IN FLORIDA



There appears to be something about the atmosphere and climate of Florida that permits the transplanting of many kinds of bizarre architecture. Practically all the Mediterranean countries have contributed. This example, the home of H. H. Penmock in Palm Beach, drew on Spain for its inspiration

Among the features of the exterior are the elaborately carved, overhanging windows, called, in the Persian tongue, "Moncharaby" or spy windows, from which the women may peep at the world without themselves being seen. These are Moorish details pleasingly incorporated in the design.
Theodore A. Rawley, architect



TRANSPLANTED
 ARCHITECTURE

SALVAGE FOR TOWN BETTERMENT

*Rescue Old Houses and Buildings That Establish The
Historic and Architectural Past*

BEING youthful as a nation, we have no dwindling residue of great architecture of the past to supply visible history to our cities and countryside.

Considering our early buildings, Mt. Vernon is our nearest approach to historic royal residences such as Versailles or Windsor, and the White House is our offering for comparison with old city palaces such as the Luxemburg, or the Louvre in Paris, or St. James', or Kensington in London. In contrast to the great cathedrals abroad, we can show a few small old Georgian churches. Nevertheless, the survivals we have of simple buildings, dating from the late sixteen hundreds to the early nineteen hundreds, are tasteful and sincere and may be

The home of Chief Justice Marshall in Richmond, Va., is preserved to recall the days of early Richmond and the fame of one of her greatest citizens

considered as illustrations in full relief of our Colonial and early Republican days. Aside from this illustration value, such old buildings as we have left are generally pleasing in their homely Georgian way and offer a true standard of taste in their consistency and absence of whimsical affectation.

Considering several of our earlier public

buildings—the Old State House and Kings Chapel in Boston, the City Hall in New York, Independence Hall in Philadelphia—with all of these, aside from their historic interest, the tasteful dignity of their design makes them valuable assets as civic embellishments.

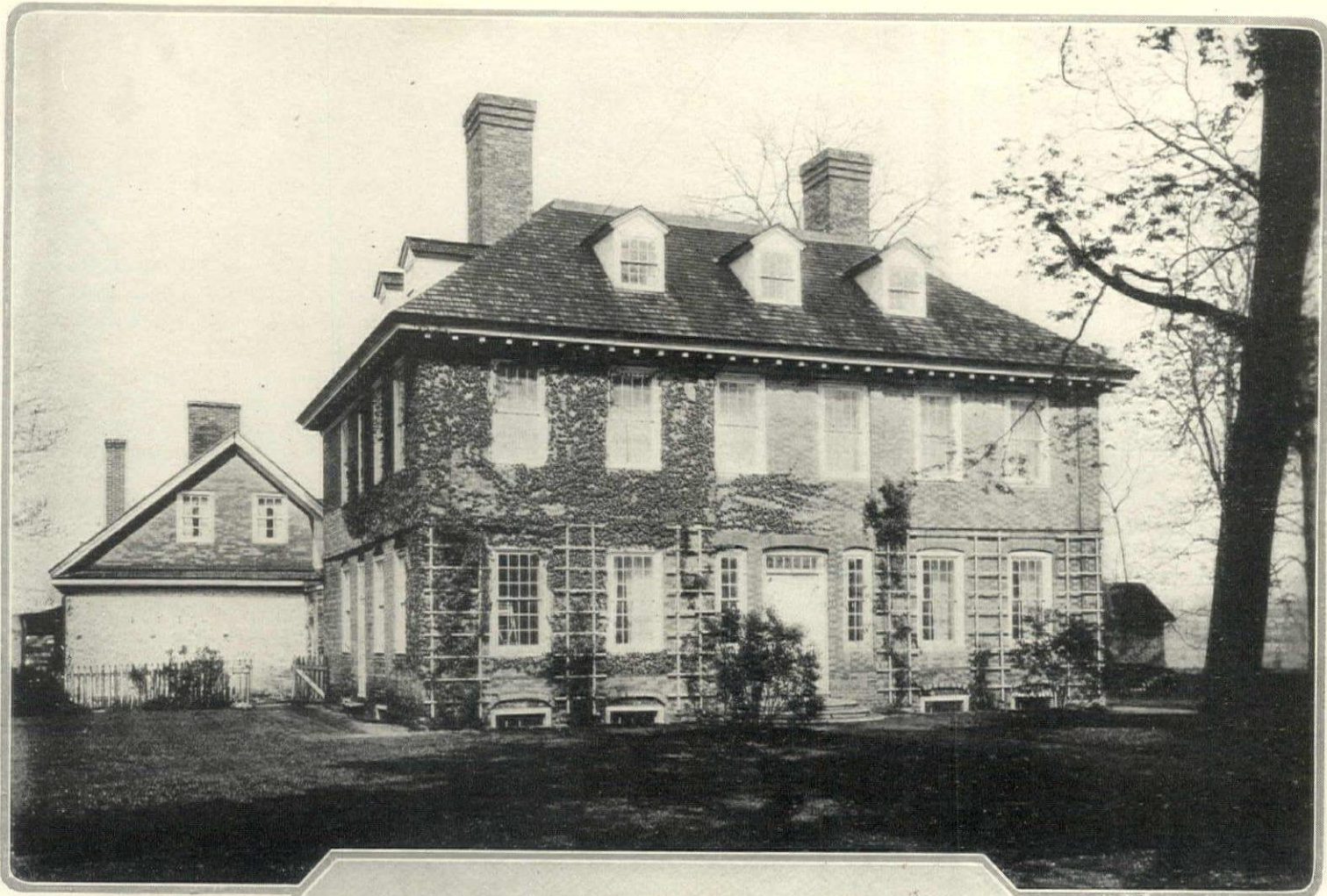
Our survivals are diminutive when they have to suffer association with lofty steel framed buildings. In our larger cities, it is this diminutiveness in contrast which sets the old building apart and makes it outstandingly conserved. It becomes as conspicuous as does the little old lady when the traffic is stopped for the cop to set her across the avenue.

No visitor coming to New York, and seeing the old City Hall with its ad-



Bought by the town in 1868 and now owned by the State, the old Philipse Manor House in Yonkers brings distinction to the neighborhood





"Stenton" at Germantown, Pa., is an unusually early Georgian house, now cared for by the Colonial Dames as a memorial to James Logan



The Capen House, at Topsfield, Mass., a 17th Century structure, was found worthy of preserving. This is the house before restoration



The local Historical Society of Topsfield found the Capen House in poor state — original clapboards and windows gone. It was bought and restored

ja cent park, can fail to realize that here is a greatly prized historic old structure. In this particular instance, the contrast in scale between the old and new is such that the City Hall appears like a scale model placed among full sized neighbors. In smaller towns and out in the country, this contrast between the old and the new is not so marked. In rural localities, the buildings still retain their human size. Pedal ascension via the stairway still controls the height. So it is in the less crowded districts where the preservation and use of earlier buildings as civic features affords the most successful combination of the old with the present.

The high values of land in our larger cities makes the preservation of an old

building with its surrounding plot a much more difficult undertaking than in a country district where there is less competition between business on one hand and sentiment and aesthetics on the other.

Definite historical association is too often looked upon as the only compelling reason for saving an old landmark, when sightliness in itself should be of sufficient importance to stimulate the necessary effort.

Old buildings which have never been graced by notabilities offer just as good material as town accessories, (Continued on page 124)

SOD STEPS FOR THE GARDEN

*Harmony of Texture and Color in the Garden Is Enhanced by Good Steps
of Turf Connecting the Different Levels*

CARL STANTON

TWO bits of greensward separated by stone steps, steps of inharmonious texture and color in the flower garden, hard, barren steps where one especially desires restful surroundings, huge masses of construction that stare one out of countenance in spite of magnificent lawns and shrubbery. These common, yet numerous, errors in garden designing could all be eliminated by the use of steps of sod.

True, sod steps will not stand an immense amount of traffic, but few people realize just how much treading grass will stand and still survive. Well-made sod steps that have a width of only six feet will show little wear with fifty people passing over them every day, and few garden paths receive more traffic than that.

Correctly designed sod steps will show a tread of at least sixteen inches, and twenty to twenty-four is preferable where there is space. The risers should not exceed six or seven inches, so that a person will not have to step so far down as to incur the risk of turning his ankle.

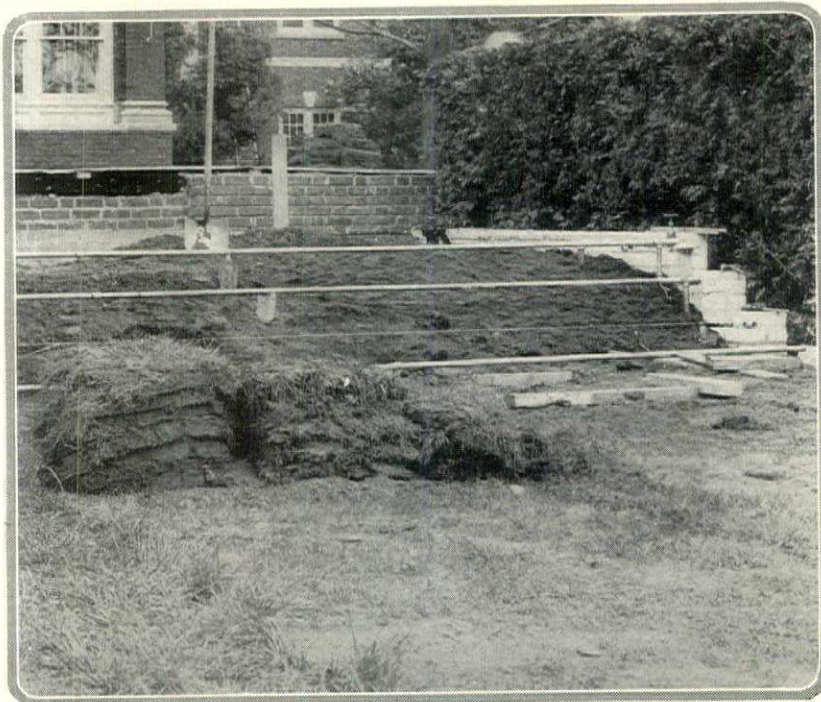
A pipe with a diameter of one inch should run the entire length of each step just under the outside corner of the tread, to carry the weight of the person and hold the edge of the step true and firm.

This pipe is braced every six feet with a leg which is driven into the ground. The pipe is drilled with small holes (1/16" diameter) spaced along every foot, and is connected to the water supply at one end. The other end is plugged to prevent the water leaking out. A valve should be arranged so that water can be allowed to enter the pipe and filter out through the holes when the sod needs moisture.

If the plumber has been careful and has laid out his pipe according to exact measurements, the rest of the work can proceed rapidly. The sod used must be tough, free from weeds, and of a uniform thickness, preferably of one of the short, dense-growing grasses. It should be cut into strips a foot wide and about six inches longer than the combined lengths of a riser and a tread. No earth is filled in around the pipes before the steps are laid, but a supply of friable, rich loam



Transverse pipes serve as water distributors and supports for the sod. They should provide a riser height of 6" and a tread width of 16" to 24"



should be placed on the top level, above the steps, for use as the work progresses.

The sod on the level below the steps should be trimmed off square to a depth of three inches on a line that parallels the pipe of the first step, but which is two inches farther out than the outside edge of pipe. This is so that the sod of the step-riser will be plumb up and down, and will lock three inches into the ground behind the sod of the lower level.

The strips of sod for the first step are so placed, with their lower edge three inches into the ground and their sides pressed close to each other, that they hang over the pipe, their top edge (which will later be the inside of the tread) dangling loose. A plank of at least two inches thickness is then fastened securely in place across the riser, so that when the earth is thrown in behind the sod to make the step, it can be tamped hard without displacing the sod. The dangling tread-ends of the sod are hung back over the plank to facilitate tamping the earth.

If the steps are to last and keep their shapes, this tamping of the loam under the treads is of great importance. The level of the top of the loam should be about one half way up the side of the pipe. The sod tread is then laid in place, and—without removing the plank from the face—is tamped firm and even; the back edge cut off square on a line two inches outside the face of the pipe of the next step; and a trench three inches deep scooped out to hold the edges of the strips of the next riser.

Care must be used to prevent the workmen tramping too heavily on the steps just completed, while working on those above.

When the laying is completed, the new sod should be coated liberally with loam, and seeded with a fine grass seed. Care must be used in watering at first, to prevent washing; and to that end the hose is better than the underground sprinklers for the first two months.

The upkeep of a flight of sod steps does not differ materially from that of any regular piece of well-kept lawn. Weeds should be
(Continued on page 114)

HOW IS YOUR GARDEN SOIL?

Garden Success Is Built Literally From the Ground Up and Hinges Upon Certain Simple But Essential Factors

ROBERT S. LEMMON



AS food is to the human being, gasoline to the motor car, deposits and mortgages and notes to the bank—so is soil to the flower,

vegetable, bush or tree. Its high quality is literally essential to growth, to fruition, to health and happiness. Of all the elements that enter into garden successes or failures it is the most important. To adapt a slogan which has recently been given prominence by a certain metropolitan police executive, without the right soil "you can't win."

What makes it "right"? Well, a number of things. First of all, the subject matter of the little drawing a couple of inches above these words. Perhaps you have thought this a dish of cereal, so let me explain:

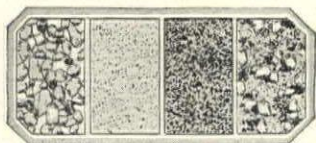
Chemically speaking, soils are acid, alkaline or neutral. The first connotes a considerable degree of acid of a tannic nature, rendering the soil what is commonly known as "sour"; the second, relatively little such acid and an over-balancing percentage of lime; and the third, a happy medium between the two extremes. A few plants require the first condition, many more thrive under the second, and the great majority do best where neutrality exists. Any of these classes, given conditions foreign to its tastes, will fail more or less completely.

It is essential, therefore, to determine this matter of chemical character in advance of actual gardening time, in order that your plants shall not be forced to eat food which may disagree with them. Which brings us directly to the little saucer of slightly dampened soil which suggests a helping of porridge.

The object which looks somewhat like the handle of a spoon is in reality a strip of blue litmus paper procured from the drug store. Partly buried in a couple of handfuls of earth from the garden whose chemistry you wish to investigate, its sensitive color will turn reddish if acidity exists, the degree of the change being a fair indication of the intensity of the condition. Should the original blue remain after several minutes you may be sure that unless you plan to grow acid-loving plants like Rhododendrons, Laurel and some others, especially among our native wildings, you have little to worry about on this score. Tannic acid in solution, alu-

minum sulphate, or quantities of Oak leaf-mold from the woods will provide acidity if you want it for such special purposes. Conversely, the addition of slaked lime or ground limestone will counteract it in any degree desired.

Lime is most easily applied by hand, scattering it over the ground in early spring until the surface is white, allowing it to be carried down by the rain, and completing its distribution through the soil by a thorough forking over to a depth of eight inches or so. Thus applied, it will not only alter the chemical condition of the garden, but assist somewhat in setting free and stimulating certain valuable elements in the way of plant food and beneficial bacteria which would otherwise remain dormant and unavailable. Few soils have too much of it, except from the standpoint of the acid-



lovers already mentioned. It is an excellent tonic to apply once a year on general principles, particularly if you have also worked into the soil some of the standard enrichers, such as barnyard manure, which have a tendency to increase the percentage of acidity, especially when applied in quantity.

Nourishing plant food, which is carried to stalk, leaf and blossom via the roots in water-dissolved form, is at its best when seasoned with lime. Particularly good growth builders are nitrogen, phosphorus and various nitrates. These are all contained in the general fertilizers sold by the pound or bag in the garden supply store. They should be dug deeply into the soil before planting time. As to the quantity to use, you may rely upon the directions which the catalogs provide. Other valuable aids to growth are the bacterial inoculants which, prepared especially for this purpose, may be mixed with the soil in order that their activities may make available for consumption what would otherwise be indigestible plant food.

Quite apart from questions of chemistry,

the physical condition of the earth in which you plan to plant is highly important. Without entering into minute detail, the facts are these:

A soil may be so porous that the rain which falls upon it drains rapidly away, as in the case of sand; or so compact that the water can hardly soak into it at all, a condition exemplified by pure clay. The former type is made up of particles so relatively large, and so non-absorbent in themselves, that the moisture not only finds innumerable passages whereby to obey the law of gravity, but is given little encouragement to tarry by the wayside. In the case of the clay type, the particles are so small and fit so closely together that interstices are virtually non-existent.

Since the constant presence in the soil of a fair amount of moisture is essential to plant life, both of these conditions are far from ideal. Of the two, the sand is perhaps the less unfavorable because, although both rain and nourishing chemicals may pass rapidly through it, it at least allows easy passage for the tiny feeding rootlets of the plants and enough aeration to meet their needs. Clay, on the other hand, is so dense that the root system has to put up a stiff fight to make any headway at all, and is rather a stifling element in which to exist.

It would seem, then, that a blending of these two types would be ideal, but here a third element enters the discussion: retentiveness of moisture. In other words, the ability of the soil to absorb the rainfall and hold it where it will do the most good for the longest possible time, while still allowing the roots free passage and admitting the necessary amount of air for them.

Perhaps the most retentive earth within these specifications is that consisting of pure leaf-mold—the product of leaves, stems and rootlets rotting away year after year until they form a black, "woody" soil.

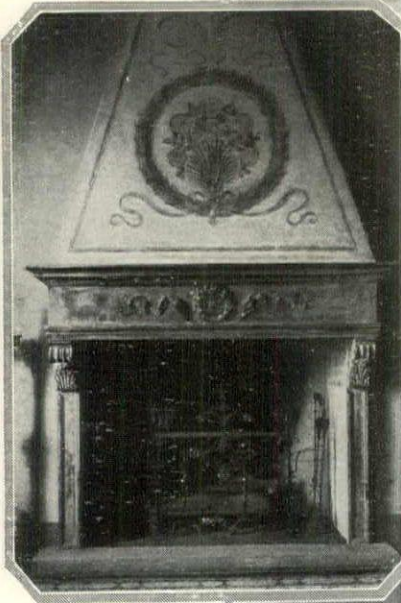
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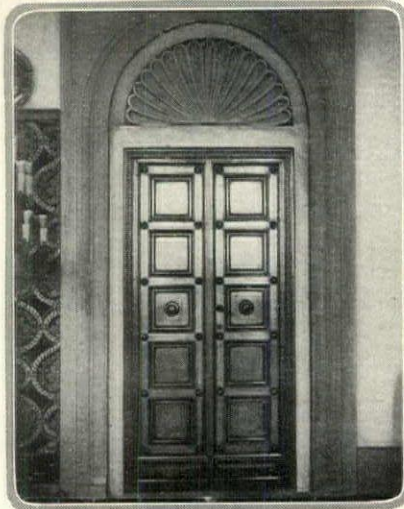
(Center) The main drawing room door is pronounced by a shell motif. These are double doors, typical of the Florentine villa of the period.



A bed of the 17th Century influences the furnishings of the owner's bedroom. The wall brocade supplants the high headboard of earlier times.



A detail of the drawing room fireplace shows how the plaster of the sloping chimney breast is decorated with polychrome floral wreath.



A brocade smoke valance, carved piece and plaster breast decorated with a conventional tree in polychrome, are features of the dining room fireplace.



At the end of the drawing room a stove framed lavabo now holds a collection of porcelains. The furniture is of various Italian periods.

A FLORENTINE VILLA of THE RENAISSANCE

In The Villa Lo Strozzi Are Found the Typical Architectural

Characteristics of these Noble Houses

ROBERT CARRERE

AN ancient writer speaking of Florence and its environs once said, "There are five thousand noble villas in the hills about, all of the first order of beauty." Many of these have been restored, many remodelled to suit modern requirements, but even those on which the hand of time lies heavily have a beauty that is unforgettable.

Italian villas, like old silver, china, tapestries and furniture, have certain definite characteristics that tell their story. The hallmark or signature of an Italian villa, especially one of Florence, is stamped clearly, and one may know the date, the architect and the conditions surrounding its creation, if one but has the key.

The early villa was, first of all, built directly on the country lane that leads to its door. A perfectly plain exterior, with iron-barred windows set high above the road, gave no hint of the charms to be found within. But once inside, there was always the usual group of characteristic features—the cortile, around which the villa was built and which served as a waiting place until further admittance was granted to the villa itself; the loggia, always on the first floor above the ground, usually at the corner of two façades so as to have a double exposure to the sun and a wider view; and a low tower, from which there was a lookout, nowadays transformed into a pigeon-cote or altogether abolished, leaving the low pitched tile roof unbroken except by chimneys over its entire expanse. Last, but not least, the roof had a great projection beyond the walls of the villa, supported on wooden brackets beneath the eaves, thereby protecting the upper windows from the sun and increasing considerably the area of the roof, which in many cases was the sole

means of collecting rain water to supply the cistern.

A perfect example of this early type of villa is Lo Strozzi, at Belloguardo, whose records bear the date of 1427 and which contains many characteristic fea-

Florentine type in such a feature.

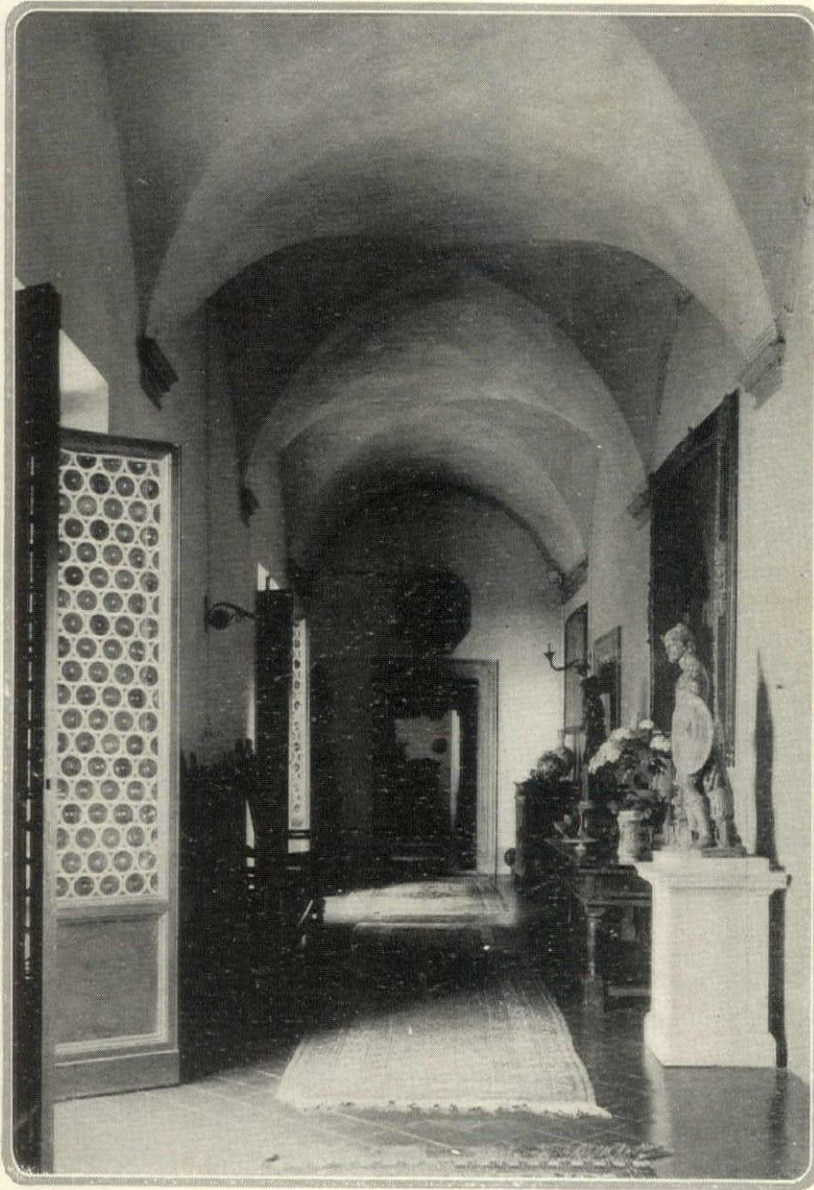
Like Aladdin's cave, these delights lie concealed behind massive walls of stone, and unless one has the magic lamp to rub or a friendly genii to open the gates, the outside, so like that of all its neighbors, is about all one is likely to see. Supposing, however, one has the password—the great wooden doors, eighteen feet high and studded with huge nails, swing open slowly, revealing the courtyard with its graceful arches, leaded glass windows and yellow roses spreading over the sun-washed ochre walls. This is the natural transition from the bare exterior on the road to the charm of the villa's interior.

On entering the inner door proper, there is a long corridor lighted by leaded panes on the courtyard side, the opposite wall being broken by doors leading into the principal rooms along its length. These in turn have high windows with steps leading up to the sills, where in the embrasure of each, one finds little stone seats on which to sit while enjoying the splendor of the gardens and terraces without.

Certain typical features give the real date of this 15th Century interior: the red brick floors—the bricks were originally boiled in wax to give them a mirror-like finish—the stone door frames, some plain and some beautifully carved, and the vaulted ceilings throughout the lower floor. The fireplaces, furniture and other decorations that were added in later times

bring one down to the present age of heating, lighting and modern conveniences. None of these, not even the fireplace, was enjoyed by the original inhabitants; the great rooms of these villas were often heated only by a brazier of coals.

(Continued on page 98)



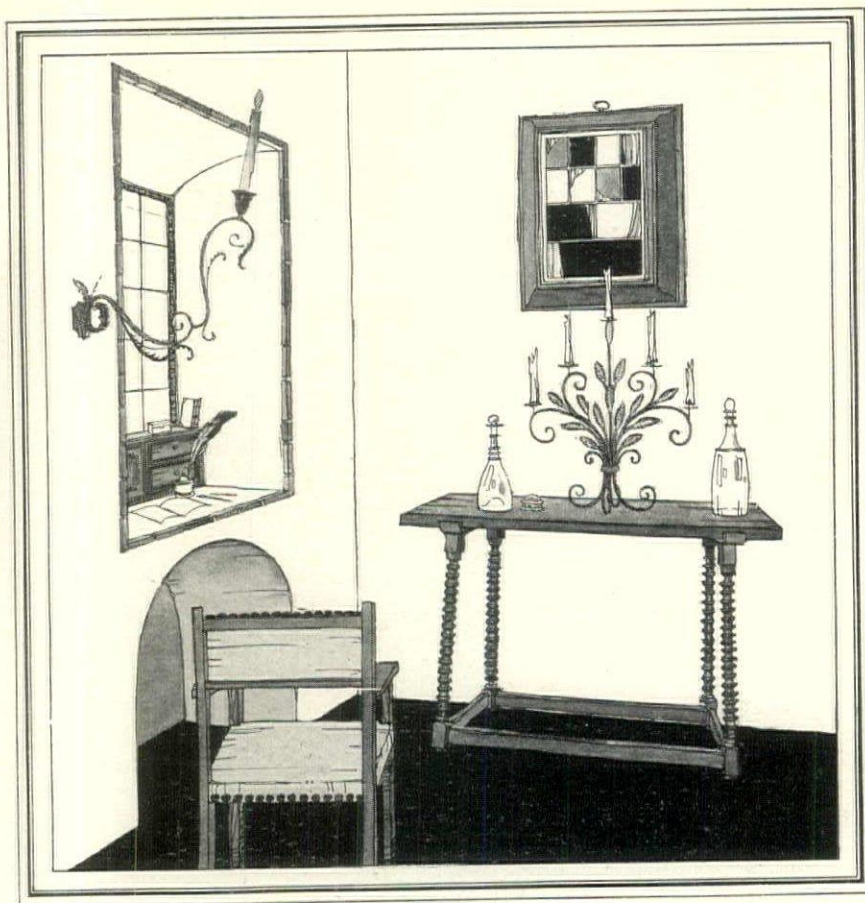
Heiskell

The long ground floor corridor from which all the principal rooms open has a vaulted ceiling supported on gray stone capitals. The floor is of polished bricks. The leaded windows open into the cortile or inner courtyard

tures perfectly incorporated. The cortile is attributed to Brunelleschi, the greatest architect in the Europe of his day. An old watch-tower, the buttresses of which are all that remain, dates two hundred years earlier than the villa itself. The loggia on the upper floor is a perfect example of the



For the boy who likes ships comes a scrap basket covered with an interesting ship paper in shades of yellow, red and green. Mrs. Gordon Abbott



Above is a commodious vase for long-stemmed flowers—a reproduction of Stiegel glass in clear green with an engraved ship design. From the Mayhew Shop

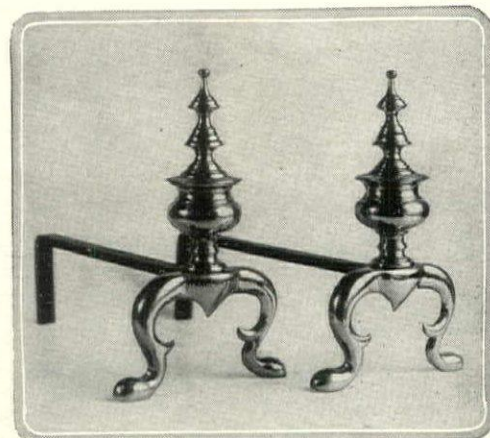
(Right) This very crisp looking lamp shade is cream parchment with a lattice design of wide and hair-line stripes in red. Other colors. Gotham & MacLaughlin



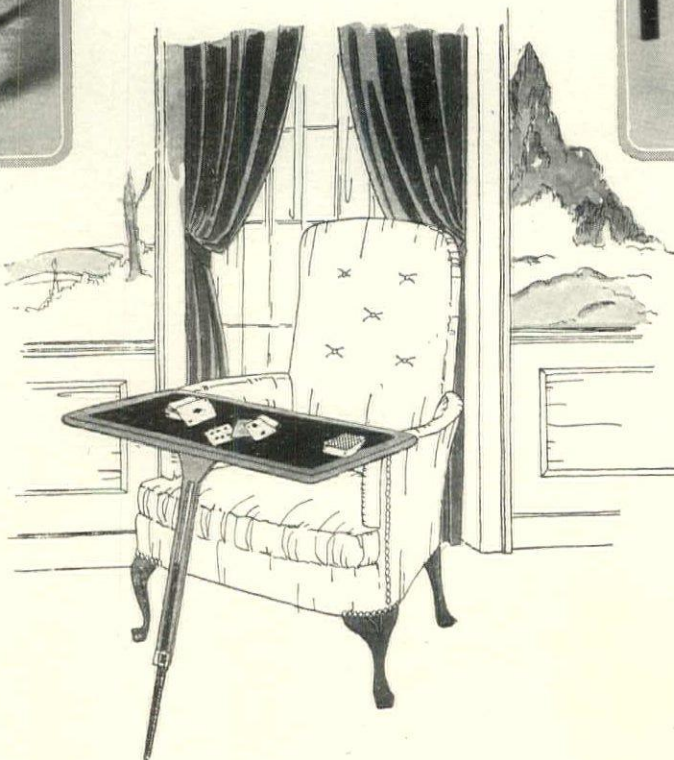
The graceful candelabra sketched above is hand-wrought iron touched here and there with gold. It is 19 inches high, with a 17 inch spread. Courtesy of Adeline De Voo



The small maple bench shown above is a useful accessory for a room furnished in the early American manner. The seat measures 20 inches wide. From the Mayhew Shop



(Above) These sturdy brass andirons are intended for a small fireplace. They are 10 inches high and may be had in polished or antique finish. From the H. W. Covert Co.

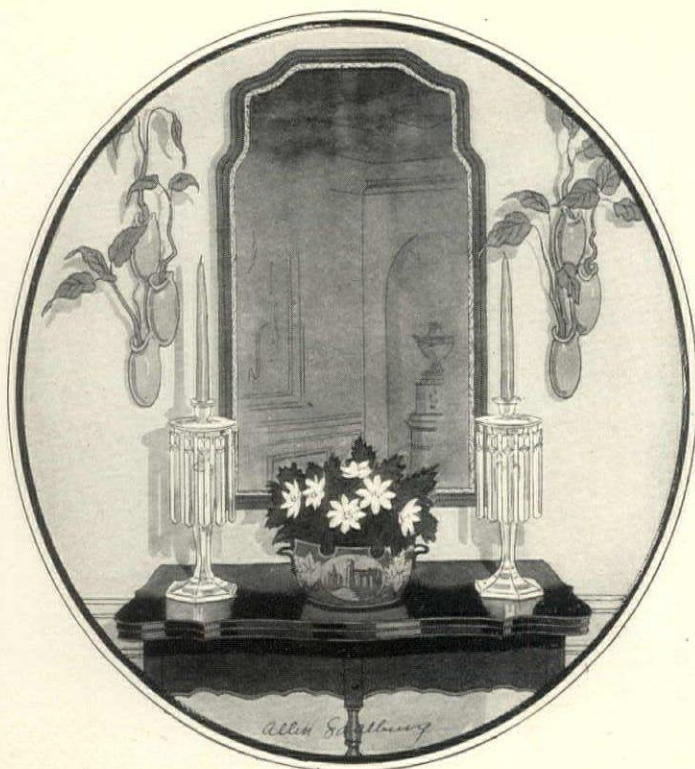


A convenient table for writing, reading or solitaire is of light-weight wood in durable lacquer finish. Black, blue, green or red, with contrasting stripe. Solitaire Table Co.

SEEN IN THE SHOPS

SEE PAGE 100 FOR THE ADDRESSES OF THE SHOPS MENTIONED ON THESE PAGES

(Right) This group is suggested for a small hall. Walnut and gold mirror 19 x 33 inches. Mrs. Gillette Nichols. Pottery flower holders, Francesca Bostwick. Painted tin jardinière, Lord & Taylor

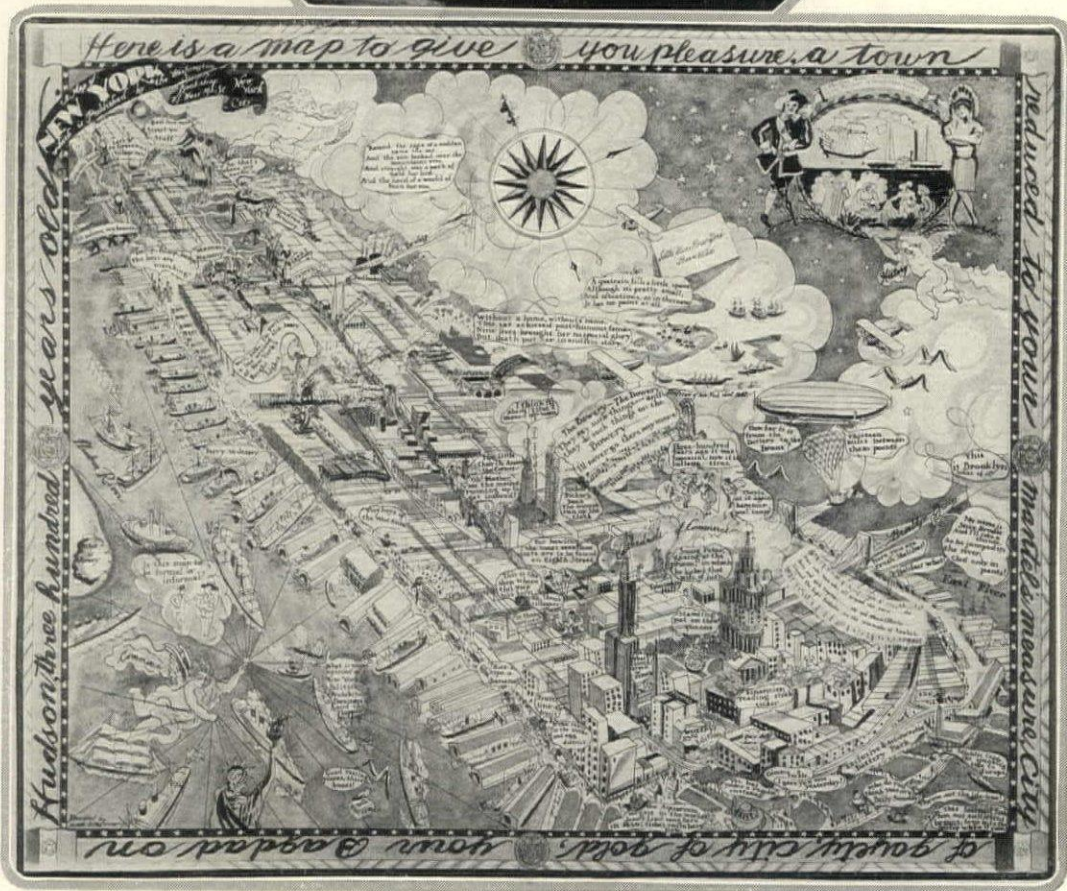


The small crystal liqueur bottle and glasses shown in the picture in the center of the page have graceful engraved flower designs. They come from the Frankl Galleries



Above is a fine reproduction of an old French desk lamp in antique silver finish. It is adjustable and fitted with a dark green tin shade decorated in gold. It comes from G. E. Walter

An interesting accessory for a boy's room is the student lamp above made of pewter with a parchment shade ornamented with stencilled designs of ships and stars. 25 inches high. Macy



This gay and very interesting map of New York City at the present time was painted by Joseph B. Platt. It measures 30 x 38 inches and is printed in five colors. Washington Square Bookshop

The GARDENER'S CALENDAR for JANUARY

This Calendar of the gardener's labors is planned as a reminder for all his tasks in season. It is fitted to the Middle States, but should be available for the whole country

if for every one hundred miles north or south there be made a difference of from five to seven days later or earlier in operations. The dates given are for an average season

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<p><i>The deeper one goes into gardening the greater and more fascinating become the questions which present themselves for solution. Thus there is opened a constantly widening field for exploration, specialization and that most delightful of all vicarious pleasures, making plans</i></p>					<p>1 Ornamental trees and shrubs can still be planted successfully in case the ground is soft enough to permit digging the holes for them. After planting, mulch well.</p>	<p>2 Blossoms from indoor flowering bulbs such as the Paper-white Narcissus can be enjoyed all winter by the expedient of succession planting.</p>
<p>3 A good mulch of rotting Oak leaves or Pine needles will help protect the Rhododendrons and maintain the soil acidity necessary to their well-being.</p>	<p>4 Coldframes heated from the regular house system are often feasible at moderate cost. They will provide a supply of fresh vegetables all winter.</p>	<p>5 A check-up of garden implements and supplies is a good plan now, so that needed replacements can be decided upon and purchased in ample time.</p>	<p>6 Laurel branches in water will keep fresh for months indoors. Gather them only from cultivated plants, for the wild ones need full protection.</p>	<p>7 Gladiolus bulbs should not be wintered over in a hot room. They ought to be kept in a fairly cool, dry place with good air circulation and little light.</p>	<p>8 Tanned paper or fine-meshed wire cylinders around the trunks of young fruit trees are a good winter protection against gnawing rabbits these cold nights.</p>	<p>9 Other things being equal, a carefully planned garden will be more successful than a hit-or-miss one. Work it out now on paper, using a good-sized scale.</p>
<p>10 A frequent cause of sour soil in house-plant containers is too large pots. The roots should extend through virtually all the soil in order to keep it sweet.</p>	<p>11 An hour or two of searching for and destroying the egg clusters of the tent caterpillars on the Wild Cherries will be well repaid next spring.</p>	<p>12 House Palms ought to be sponged off with cool fresh water once a month. Also, see that they have plenty of light, but not too strong.</p>	<p>13 Root crops and fruit stored for the winter should be examined frequently for signs of rot which may spread rapidly if unchecked and affect most of the crop.</p>	<p>14 The outdoor Celery trench will remain accessible even in the coldest weather if it is kept deeply covered with dead leaves or straw to exclude frost.</p>	<p>15 The temperature just inside the window panes may become so low on bitter nights that pot plants should be moved back a yard or two.</p>	<p>16 Weekly stirring of the surface soil in the greenhouse benches and indoor plant pots will benefit in that it admits air to the roots.</p>
<p>17 If you have been feeding the winter birds, keep it up. They will welcome it now more than ever, especially if they have become accustomed to it.</p>	<p>18 Clinging snow ought to be jarred loose from the evergreen branches after every heavy storm so that they will not be broken down by it.</p>	<p>19 A wheeled tea-wagon effect adapted to the indoor window garden is an excellent plan, in order that the plants may be moved about easily.</p>	<p>20 Any heavy hauling or cartage about the lawn or grounds is best done while the ground is frozen, thus eliminating ruts and other disfigurement.</p>	<p>21 Don't be afraid to prow through several seed catalogs from different firms. Comparisons between them are often illuminating and decidedly helpful.</p>	<p>22 Plants of German Ivy, obtainable from every good florist, make ideal greenery indoors. They are easy to secure and care for, and look well trailing or trained.</p>	<p>23 During this slack season repainting and generally overhauling the garden furniture are entirely in order. Use only the best oil paint, not too thick.</p>
<p>24 Outside pruning ought to be finished up this month, as it not infrequently happens that a warm spell in February starts the sap on its upward flow.</p>	<p>25 There are real advantages in early orders for flower and vegetable seeds. For one, many of the larger houses will give you a discount.</p>	<p>26 All new bird houses should be put in place during the winter so that they can weather a bit before their prospective tenants arrive from the south.</p>	<p>27 First-class seed costs but little more than the inferior, and is more than worth the difference. This applies particularly to named varieties.</p>	<p>28 Coal gas permeating the house as a result of a poorly regulated furnace is most harmful to plants. Its presence should be scrupulously avoided.</p>	<p>29 Almost every place, large or small, has room for dwarf fruit trees. These yield surprisingly and should be ordered now for spring planting.</p>	<p>30 Dahlias, Tricomas and other tender tubers are roots wintered over most successfully in the dark with a temperature of between 45° and 50°.</p>
<p>31 Spraying the foliage two or three times a week is a real help in maintaining the health of house plants. Use a regular garden syringe and clear water.</p>						



CAROLUS LINNAEUS

Two contrasting portraits of the great Swedish botanist (1707-1778). At the left, as he appeared in Lapland costume at the age of twenty five; above, a picture from his later years



DR. JOHN HALL

A surgeon by profession and a botanist by taste, Dr. Hall of Maidstone (circa 1529-1566) was also a poet and essayist of considerable note in the England of his day

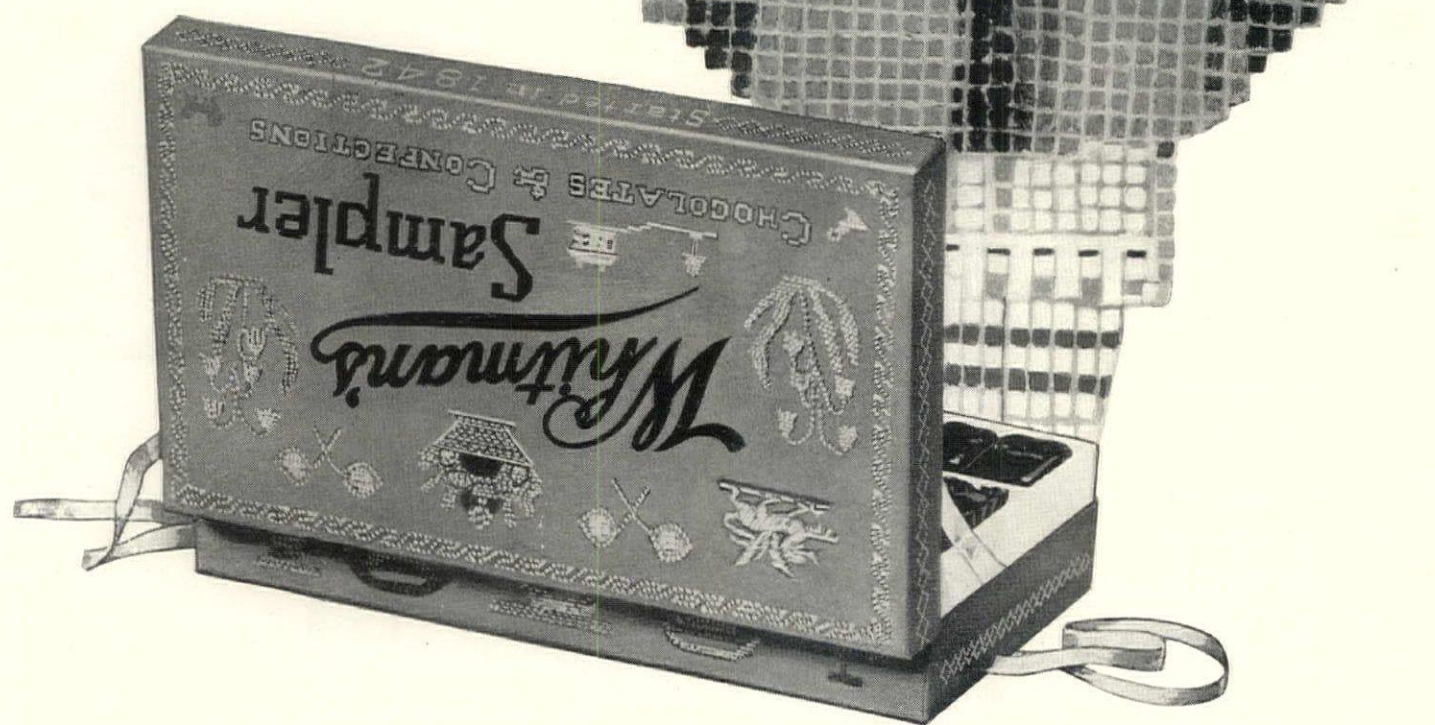


A. L. DE JUSSIEU

One of the famous French botanist family of the same name. After thirty years' work he completed a standardized system of botanical classification. 1747-1836

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—WHEREVER a package of Whitman's Chocolates is opened there is a double wonder of quality and freshness. Whitman's are distributed *direct* to each local store acting as our sales agency—not through a jobber. Every package is doubly guaranteed to give complete satisfaction.

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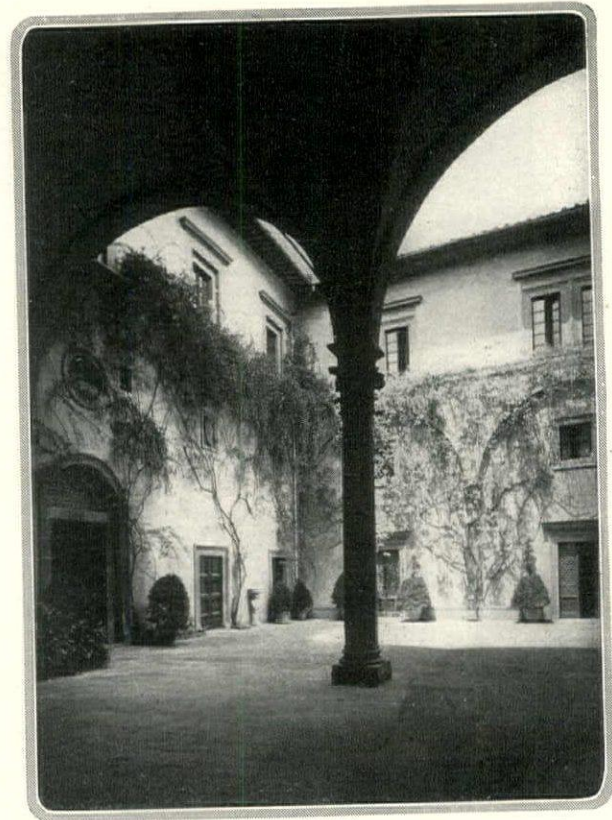
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merchandise*

This special Event has been a custom at McGibbon for over half a century. The discount offered is taken from the regular price—no special merchandise is ever purchased for this sale. Here's a splendid opportunity to add to your linen closet or purchase the necessary hangings, furniture or bed coverings, to re-decorate your home—at a real saving.

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Linens Lace Curtains Furniture
Interior Decorations Beds and Bedding

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3 West 37th Street—New York
NEAR FIFTH AVENUE



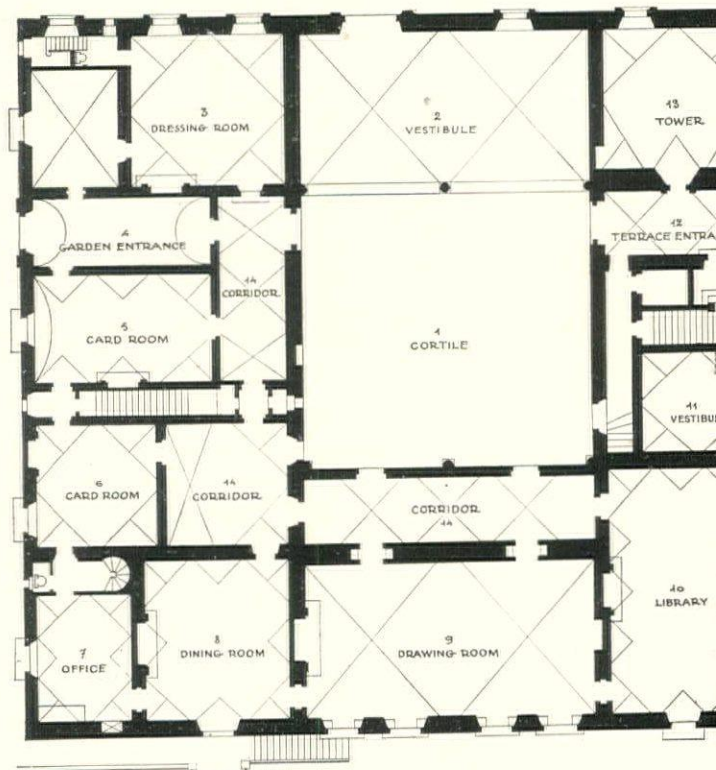
In the brilliant sunshine the cortile offers a strong contrast of ochre walls with yellow Tea Roses and the black shadows of the arches

A TYPICAL FLORENTINE VILLA

(Continued from page 93)

On the bedroom floor the ceilings are wooden-beamed, some coffered and decorated in polychrome, others just the natural wood darkened by age. The floors are of brick, highly polished. But no stone door frames are to be found; these embellishments were made only for the eyes of the

visitors who came to the rooms. Such visitors rarely penetrated the family quarters, unless they had been invited to dine on a Sunday evening in the great corner loggia looking out upon the Florentine landscape, dotted with castles and towers. *(Continued on page 100)*



The plan of Villa Lo Strozzi is typical of the old Florentine villa, with its main living and service rooms built around a courtyard. Upstairs are the bedrooms and the loggia



Gerald (knowing much at nine years, but wishing to know it all):

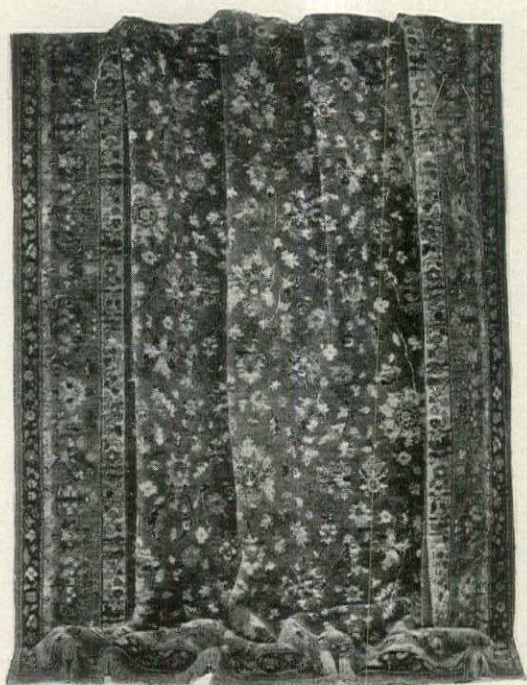
"DAD, WHY DO THEY CALL THIS A CLUB CAR?"

Father (a confirmed wisecracker):

"BECAUSE SO MANY PEOPLE IN IT DRINK CLICQUOT CLUB GINGER ALE. WHICH WILL YOU HAVE, YOUR OLD FRIEND THE GOLDEN, OR THE NEW PALE DRY?"

Perhaps Pale Dry Clicquot appeals more to the grown-up taste than to youngsters; it is so delicate, so subtle—a true Sec drink. Yet many children like it as much as their old pet "regular" Clicquot Ginger Ale. Some people even mix the two to suit their mood.

The Clicquot Club Company, Millis, Massachusetts.



KASHAN REPRODUCTION

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Rugs Woven for Your Own Particular Needs

YOUR room may require a rug of unusual length, but weaving a rug to special order usually conveys the idea of indefinite delays. This is not the case with Bengal-Oriental rugs however. Two to three weeks is all the time required for the weaving of special orders and at a price that is but slightly above the cost of so-called stock or regular sizes.

It is this note of personal service that is interesting to so many home builders in these fascinating reproductions of the best types of Persian rugs.

Price for 9x12 size does not exceed \$175 in any part of the United States.

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119 WEST 40TH STREET, NEW YORK

A Consulting Decorative Service Without Charge. Mail the coupon with full details and we will send you color plates and information as to sizes and prices.

Please send me color plates of rugs for

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"Backgrounds of Oriental Beauty" by Alice Van Leer Carrick.

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Mail this coupon to Consulting Decorative Department
THE HOUSE OF SHOEMAKER, 119 W. 40th St., New York



In the guest chamber is a rare bed of silver leaf with slender carved posts. It is covered with old peach colored damask. The rest of the furniture is walnut

A TYPICAL FLORENTINE VILLA

(Continued from page 98)

Olive orchards and Cypresses raising their spires against the orange sunset. It must be remembered that the loggia was always on an upper floor, never on the ground or garden level, as we in America conceive a Florentine loggia to be.

This custom of dining out of doors is one that is today enjoyed by everyone who owns a villa with a loggia. It is at this late sunset hour, when the lighted candles in their hanging glass globes cast their soft radiance on the table beneath, that the spell of the Florentine villa and Renaissance romance weaves itself into our dreams, and we are surprised to find our-

selves literally taken back without even a jolt, to the heyday of the Renaissance—shockingly distant for the occasion in a tell-tale coat!

Editor's Note: In his next article Mr. Carrere will describe the details of the Villa Lo Strozzi, which are of a kind to be found surrounding many of the Florentine villas. Mr. Carrere is an American architect who lives and practices in Florence and has remodelled and restored some of the old villas in the neighborhood of that city.

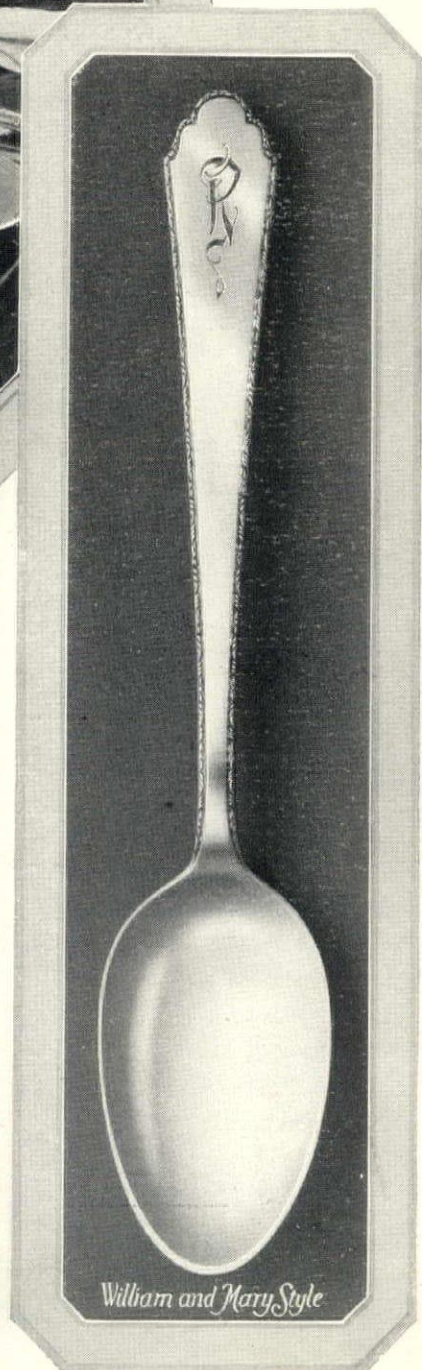
ADDRESSES OF SHOPS

The articles shown on pages 94 and 95 may be obtained going or writing to the shops listed below.

- MRS. GORDON ABBOTT, INC., 8 East 54th Street
- FRANCESCA BOSTWICK, INC., 664 Madison Avenue
- H. W. COVERT CO., 137 East 46th Street
- ADELINE DE VOO, INC., 117 East 57th Street
- FRANKL GALLERIES, INC., 4 East 48th Street
- GOHAM & MACLAUGHLIN, 141 East 62nd Street
- LORD & TAYLOR, Fifth Avenue & 38th Street
- R. H. MACY & CO., INC., Broadway & 34th Street
- MAYHEW SHOP, LTD., 511 Madison Avenue
- MRS. GILLETTE NICHOLS, INC., 402 Madison Avenue
- THE SOLITAIRE TABLE CO., Box 37, Essex, Conn.
- G. E. WALTER, 157 East 44th Street
- WASHINGTON SQUARE BOOK SHOP, 27 West 8th Street

"Treasure" Solid Silver

STERLING
925/1000 FINE



Who Were Her People?

A MIDST any amount of expensive display, the quiet refinement of good breeding stands out clean and clear.

"Who were her people?" is a compliment that contains a touch of wonder. Back somewhere in the generations behind her, were people of culture, who took the trouble to develop a true instinct for the right thing, who cultivated a taste for discriminating friends, finer hospitality, worthwhile possessions.

Women today seldom realize they, too, will be somebody's grandmother—the "people" by whom their grandchildren will be judged. An appreciation of that fact will make any woman choose for the future with a little keener interest and nicer judgment than she would care to lavish on herself alone.

There is a jeweler near you to show you in Treasure Solid Silver—a coffee or tea set—a set of flatware—that will prove a hundred years from now a tangible sign of yourself to great-grandchildren. What better investment could you make of that Christmas check or January 1st dividend payment?



Sets, costing from \$120.00 to \$200.00, come in varying sizes to serve four, six, eight or twelve people. These sets and the plan underlying each are fully described, with illustrations, in our booklet, "Solid Silver for the Young," which will be mailed to you on request.

ROGERS, LUNT & BOWLEN CO.

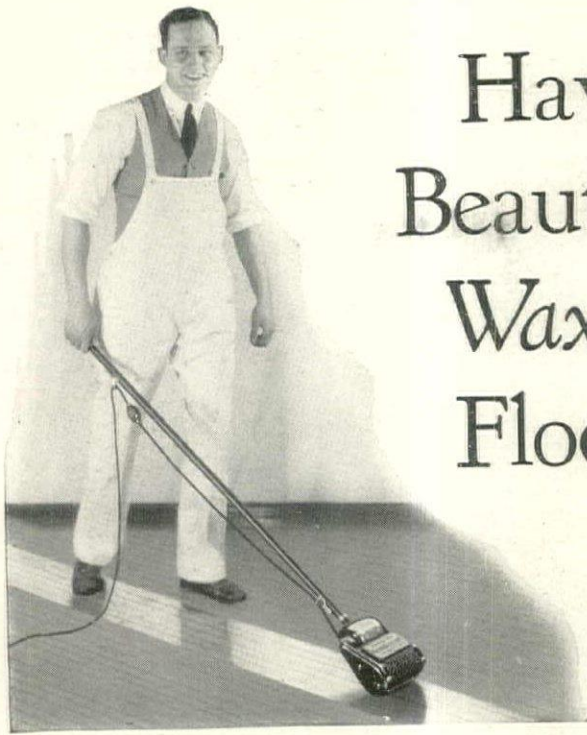
296 NORTH FEDERAL STREET

Silversmiths · Creators of Distinctive Tableware

GREENFIELD · MASSACHUSETTS



William and Mary Style



Have Beautiful Waxed Floors

—this Quick, Electric Way

Beautiful waxed floors! Of course you want them in your home. Every woman does.

They are so rich looking, have such a beautiful lustre; they are so clean, so easy to care for, and they actually cost less to keep up than any other finish.

It's easy to have beautiful waxed floors now. And convenient. It isn't necessary to have your house torn up for days at a time. Ask your painter to wax your floors *electrically* with a Johnson's Wax Electric Floor Polisher—then he can do them all in just a few hours. You don't have to wait for WAX to dry—it hardens ready to polish in five minutes.

JOHNSON'S WAX Electric floor Polisher

It's no work at all to keep your floors bright, clean and beautiful with the Johnson's Wax Electric Floor Polisher. This marvelous new machine polishes floors ten times faster and better than other methods. Gets under davenport and other low furniture. Runs from any light socket for 1½¢ an hour. Costs only \$42.50.

Are You Building?

Tell your architect to specify *waxed floors*—this will give you the most beautiful, practical, sanitary and economical finish. With *waxed floors* costly refinishing can easily be entirely eliminated. Our book on Home Beautifying tells how. Write for a copy Free and postpaid. New edition just off the press.

S. C. JOHNSON & SON
"The Floor Finishing Authorities"
Racine, Wisconsin



Primroses are at their best in a rich, fat soil and a situation which is not dry or sun-scorched. Protection from the north winds means earlier blooming

THE PRIMROSE AND HER COUSIN

(Continued from page 77)

ditions that prevail here resulted in a tradition of their unreliability, a tradition passed from gardener to gardener down the years but never given a thorough test. For very certain it is that we may have Primroses and Cowslips and Oxlips, all we want of them, if we but learn and observe their necessities. And the most important of these are some degree of shade, a rich, deep, moisture-retaining soil, plenty of drink during the growing season and occasional division.

Of course if your ground is poor and thin and porous, your situation wind-swept and sun-bitten, you will have trouble with Primroses and all the tribe until you have remedied these defects. But all you who number among your possessions a strip of woodland, a little damp copse, a low meadow, or a shaded, moist corner, even a north border against the house, may plant generously, sure of a rich reward in tufts of dark, wrinkled foliage and bunches of pale blooms which, it seems to me, more than any other flowers add to the young enchantment of the spring.

To consider first the true Primrose—Primerole, as it used to be called in very early days, the firstling of the spring. Its botanical designation is *Primula acaulis*, sometimes *P. vulgaris*. It has the characteristic tufted growth of rough, wrinkled leaves, and the flowers, large, round, appear solitary on the stems from amidst the foliage. These blossoms in the wild forms are pale yellow—the color of fresh butter—and rarely white. But in response to the skill of enthusiasts they have been brought to assume an extraordinary array of charming hues—pink, rose, crimson, dove-color, lilac, mauve, purple and, wonder of wonders, a clear pure blue with a smart yellow eye. These blue Primroses are quite enchanting to look upon and amazing too, for there is no smallest hint of that old haunting magenta in their composition. Moreover they have the most satisfactory and endearing habit of giving a sec-

ond blossoming. It is November we write and the patch of blue Primroses in the rock garden are running true to form and making ready to bloom. Clustered at the heart of rough leaves are many buds that will open out into round blue flowers. I have more than once gathered in December.

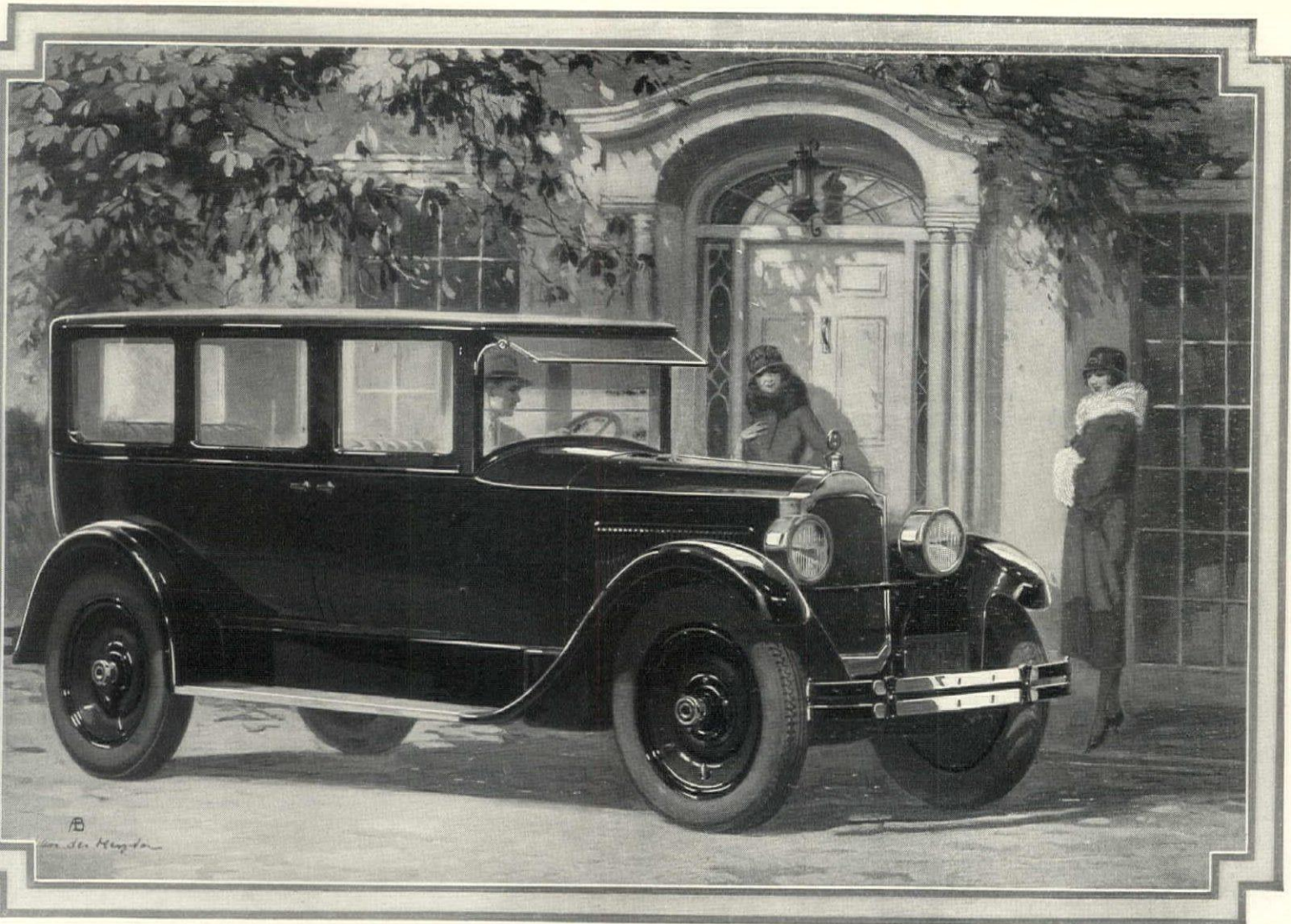
The Primrose is a plant of shaded banks, of woodlands, of deriding streambanks. It will endure in poor, light soils, or open sunshine. If the right sort of situation is not at hand it is easy, however, to create with shrubs and trees a copse, hollowing out the earth to a depth of a foot or something more, and filling in with a rich, fat mixture—well rotted leaves, old manure, clay or heavy, sticky soil—and leaving the surface slightly concave in order to catch all the moisture possible. A rotting log or old stump will add to the picture and serve as a windbreak to the north by which the Primroses will rest so attentive to the south winds, and blossoming, in the neighborhood of New York, as early as the middle of March.

Towards winter we mulch the plants with old cow manure, or, if this, with leafmold, working the stuff about the tufts but not covering the crowns. When cold weather comes a light covering of oak leaves is thrown over them and held in place by light branches.

Primroses are easy enough to grow from seed if the method described in last October's article is followed. The first importance is it that the seed should be fresh. So do not buy it in the spring and save it until the next year before sowing. Buy it in the fall from a dealer who is willing to guarantee you that it has been fresh and sown.

Thereafter they may be increased by division, allowing the plants, never, to grow into fine thrifty ones before they are broken up, and dividing out this operation in the

(Continued on page 104)



How Often Do You Buy a War Tax?

EACH time you buy a motor car you pay for five things in which you never can take a ride:

These are: war tax—freight charge—factory's profit—dealer's profit—salesman's commission.

Once every five years or more is often enough to afford yourself the luxury of such purchases.

Those who buy the Packard Six expect, on the average, to keep their cars more than five years, spending

the minimum in war tax and other outside charges.

Packard encourages its owners in keeping their cars, through retaining the beauty of Packard lines and in announcing no yearly models. It is now more than ten years since Packard offered yearly models.

The most recent evidence of Packard's interest in its owners is the chassis lubricator and motor oil rectifier, found only in Packard cars. Together they double the life of the car.

The Packard Six Five-passenger Sedan is illustrated—\$2585 at Detroit. Packard Six and Packard Eight both are furnished in nine body types, four open and five enclosed. Packard distributors and dealers welcome the buyer who prefers to purchase his Packard out of income instead of capital.

P A C K A R D

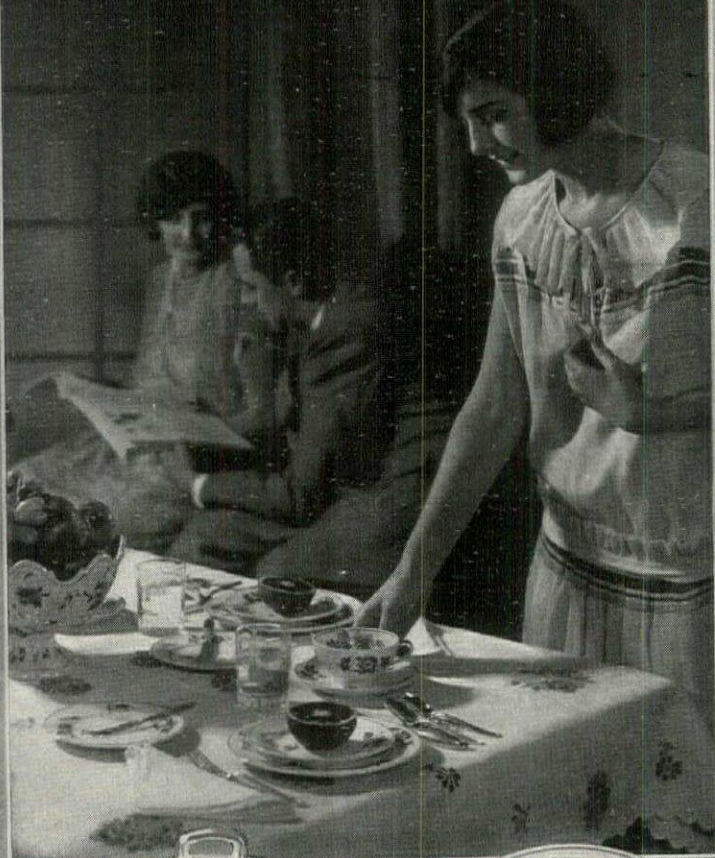


S K T H E M A N W H O O W N S O N E

THE PRIMROSE AND HER COUSIN

(Continued from page 102)

Ahrenfeldt China — France



To those with a true sense of the artistic, Ahrenfeldt China is a joyous revelation. More than merely a beautiful accessory of the home, this famous French china is veritably a masterpiece of ceramic art.

Obtainable wherever fine china is sold.

Ahrenfeldt China

"The Finest China from France"

"PERSIA" DINNER SERVICE
Beautifully colored Oriental flowers encircled by a golden-brown lace border and rich gold band.



spring soon after they have finished flowering. These divisions must be carefully looked to and kept growing strongly. They must never be allowed to dry out, and frequent waterings with thin liquid manure will help them along amazingly. Indeed, Primroses of all sorts have a weakness for this soft drink and thrive upon it exceedingly.

The double Primrose is a rare and lovely thing. It is less robust of constitution than its single sister and requires a very sheltered situation, an unflinching supply of moisture during the growing season, sharp and certain drainage, more coddling altogether. But it is well worth it, as may be judged from its portrait. The rock garden is the best place for it, for therein its needs may be the more easily provided for and shelter afforded it. The one pictured is a soft clear lavender in color, and there are white, blush and rose forms.

THE COWSLIPS

Cowslips (*Primula veris* or *P. officinalis*) are considerably easier to grow than Primroses. Almost any garden not utterly dry and sun-scorched will support them. Any good garden soil satisfies them and while they like moisture and a little shadow they do not demand as much of either as do Primroses and Oxlips. Cowslips, as may be seen by comparing their portraits, are quite different from the true Primrose. Their leaves are smoother and not so deeply seamed and wrinkled, and the blossoms in their soft white husks are worn in little one-sided bunches, or umbels, on slender, erect stems. They are bright yellow with little red dots inside—sure mark of the Cowslip—and droop slightly, and they are deliciously and freshly fragrant. With any encouragement at all they wax into fat clumps and send up perfect fountains of yellow bloom most lovely for the filling of certain low blue bowls indoors. There is no reason not to have a lot of Cowslips, for they come easily from seed and old plants may be divided every two or three years to increase the stock. Moreover they self-sow quite prodigally when in congenial surroundings, and it is a great satisfaction to see young Cowslips coming up along the shaded paths and pushing back beneath the shrubbery in ever-widening colonies.

Improvements have been made upon the wild Cowslip to the extent that we have larger and more robust-growing plants with somewhat larger blossoms, but they do not vary readily as to color. Only occasionally are orange or scarlet forms met with. The Hose-in-Hose Cowslip is a quaint old-fashioned conceit, having one blossom set within another, the name derived from a fancied resemblance to a sort of ancient foot-wear. Strains of Hose-in-Hose seed are now to be had, and very interesting are the results to be obtained therefrom, a large percentage of the plants showing the curious variation.

The Oxlip (*Primula elatior*) closely allied to the Cowslip as regarded in some quarters as a variation, though more authentic it seems, as a separate species. flowers just after the Primrose before the Cowslip. The pale yellow flowers are carried in a loose-sided bunch and are larger and flatter than Cowslip flowers. And scentless. The leaves are more those of the Primrose.

Oxlips grow naturally in sunny meadows. They are the preference you will meet with a deal of success by planting them in shade and providing a rich and soil that will hold what moisture may be. Mulching with old manure or leafmold will also help. That when suited they self-sow freely as the Cowslips and soon form fine thrifty clumps. There are in-Hose varieties of the Oxlip that come in charming colors. sort, a pale buff and rose combination that has been in my garden for years, blooms almost as early as the Primroses, bursting forth in veritable bouquets of bloom most lightful for cutting.

And there is a fourth member of this group that must by no means be neglected. As a matter of fact much less neglected in American gardens than any of the foregoing. Polyanthus or Bunch Primrose has had a good deal of vogue as a spring garden plant. Most nurseries carry it and it is hawked about suburban streets in the spring in company with Pansies and English Daisies.

POLYANTHUS PRIMROSES

Polyanthus is not known in a state. Its origin is in doubt, but probably a child of the garden. It does not appear in horticultural literature until the beginning of the 17th Century, so beside the Primrose, Oxlip and the Cowslip, which are in the very earliest records, it is a mere parvenu. But it is very indeed and much showier than the restored sisters. The Polyanthus claimed the attention of the skilled hybridists. There are many fine and brilliant strains now had with huge round bunches of blossoms on strong stems, useful for spring gardening and for cutting. One of the best strains is Jekyll's Bunch Primroses, running in scale from white to rich yellow with blossoms over two inches across. Sutton has a fine strain also called Spetchley forms, exhibiting the brilliant colors and markings which have gained a merited notoriety.

Like all their ilk these plants require comfort, rich soil, shadow, abundant moisture, but they will give some response without any of these things. They are easily raised from seed, and cared for they are one of the most amazing returns in garden and blossom. They are the best of the group to blossom.

(Continued on page 138)



An ancient people of India named a famous large diamond, in their expressive language, "The Mountain of Light". But they never dreamed of the beauties of the diamond as we know it in modern times. The perfect round diamond, the square or emerald cut diamond, and the marquise represent centuries of modification and slow improvement. The rough crystal is now cut with mathematical skill to achieve the greatest brilliance and grace. Mounted as single stones in rings of unobtrusive but exquisite design, these fine modern diamonds represent the fullest realization of the great possibilities of Nature's most precious material.

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It almost seems as if you just couldn't have a wedding without Crane's Kid Finish—it is used so universally for the announcements and invitations. Weddings demand the finest quality in every detail and, for its purpose, Crane's Kid Finish is the finest paper in the world.

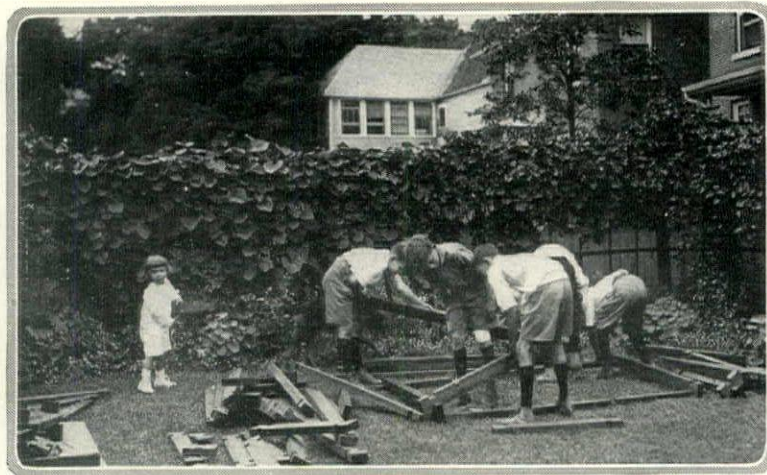
As are all Crane's Writing Papers. Not only for weddings but for every occasion, where paper should express the social standing and personality of the writer, there is a Crane paper of faultless style and superlative quality.

Crane's Writing Papers

CRANE'S KID FINISH . LINEN LAWN . CARILLE . CORDLINEAR
 ARGENTONE . GREYLAWN . QUARTERED OAK . EARLY PURITAN
 OLD STYLE . RAVELEDGE

The visiting cards of husband and wife must match in the engraving style, the color of the engraving and the shade of the cards. Crane's Satin Finish or Crane's Kid Finish, extra super-fine quality, in pearl grey shade, is the standard for correctness.

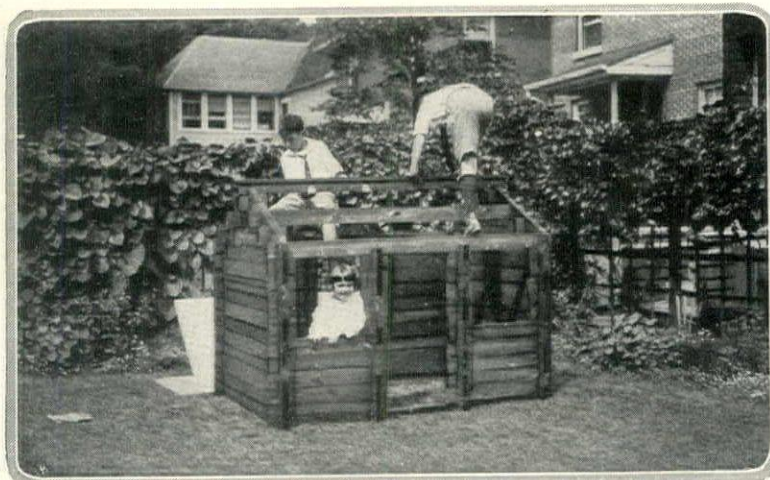
EATON, CRANE & PIKE COMPANY, 225 Fifth Avenue, New York



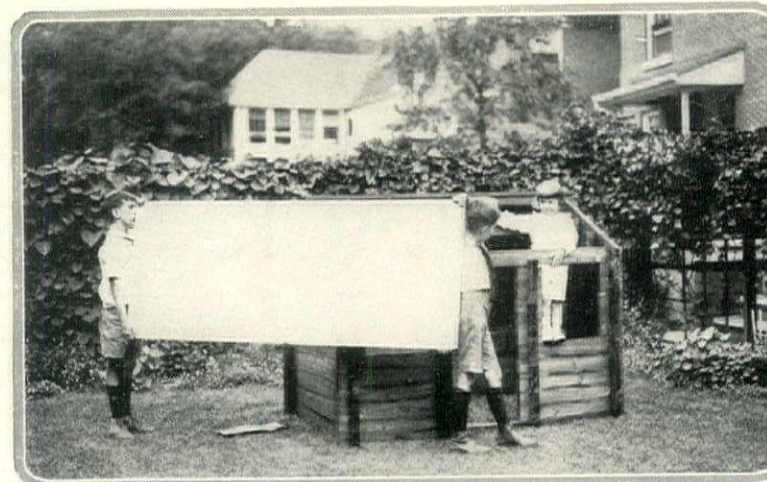
The knock-down portable house that children themselves can erect comes in a box like a cut-up puzzle and the youngsters put the pieces together. This shows the first notched timbers being laid down

THE PLAYHOUSE IN THE GARDEN

(Continued from page 83)



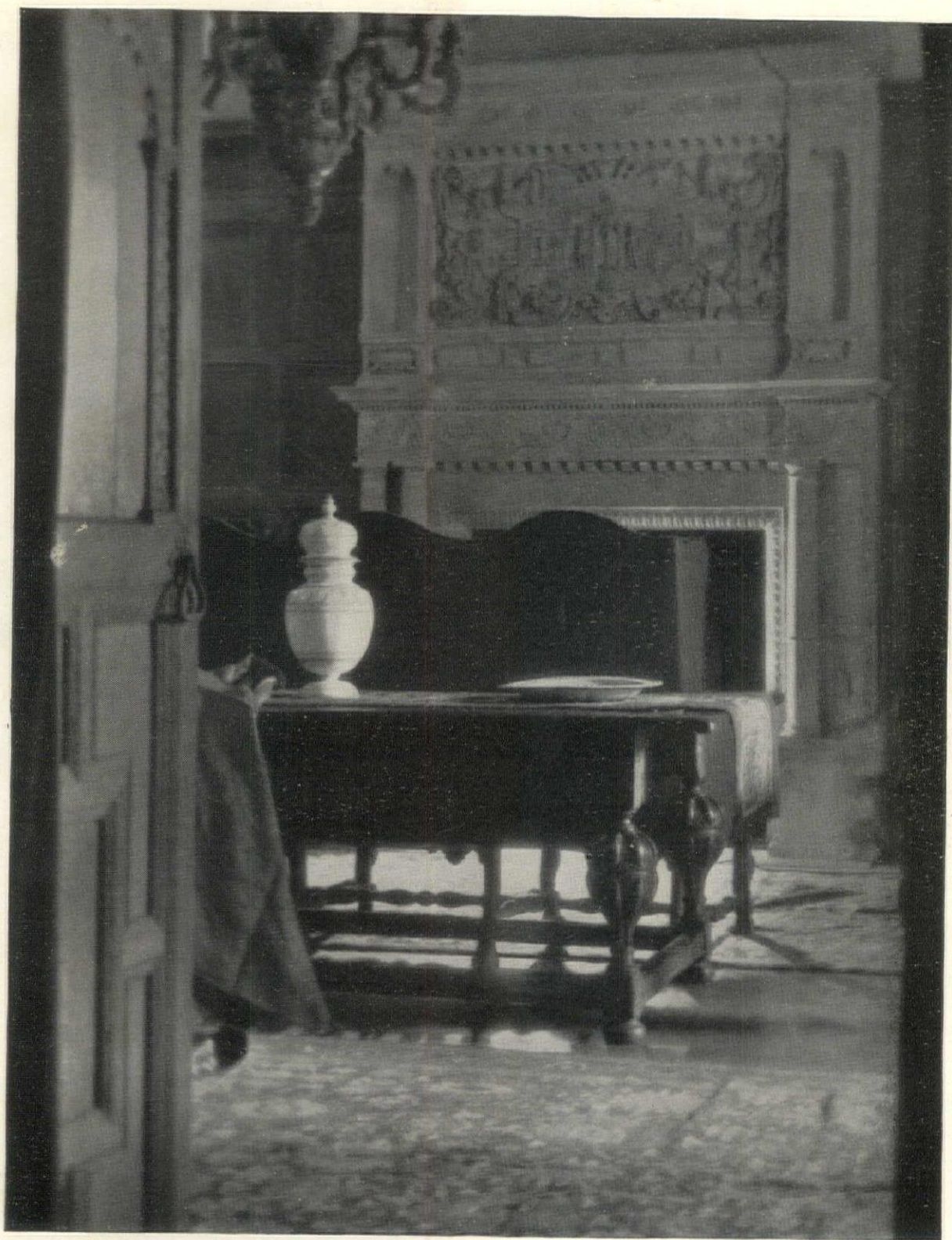
The timbers of this type of playhouse are set up in much the same way as the logs of a cabin. Doors and windows are child size



The last operation is putting on the sheets of wall-board that make the roof. These photographs are shown by courtesy of John Lloyd Wright, Inc.

space is available, that section of the garden in which it is located can be made a children's garden. There they can have their vegetable and flower plots, there they can have their first lessons in Nature—of birds and the world of green growing things. In this section can also be located the fixtures for the outdoor playground—the sandbox, the see-saw, the swing, the down-and-out and those other de-

lightful aids to juvenile enjoyment. Might we not suggest, however, that the same discipline which ought to prevail in the care of the nurseries and indoor playthings be extended to the playhouse and the playground. Make the children responsible for the orderliness of the flower plots and the cleanliness of the playhouse and its grounds. Start them early, and such things will become a habit.



W. & J. SLOANE

47 TH STREET AND FIFTH AVENUE, NEW YORK - SAN FRANCISCO - WASHINGTON

Specialists in paneled rooms
antique and modern furniture
floor coverings and fabrics . .

THE PLAYHOUSE IN THE GARDEN

The Three Plans Shown Below Are of the Playhouse Illustrated at the Bottom of Page 83 of This Issue



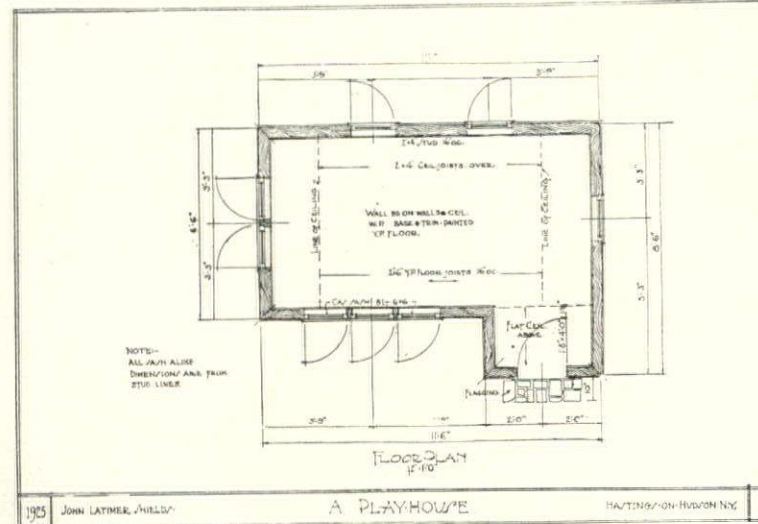
The Glamour of old Spain

In a cabinet like this, some old Spanish don stored pieces of eight and golden trinkets, and perhaps a sword of fine Toledo steel. But in your home, this romantic Hastings piece will accommodate the even greater wonder of modern radio, or the rolls for your player piano, or fine glassware and china.

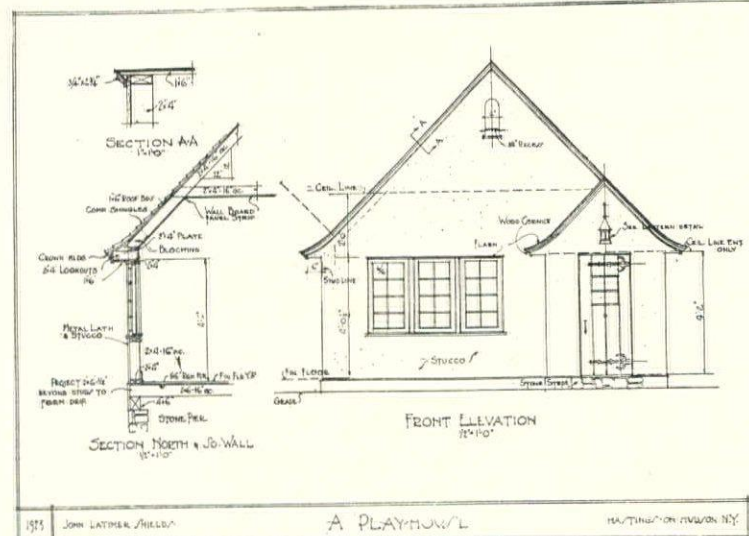
Ask to see this beautiful creation at your dealer's. You will delight in the perfection of its exquisite iron work, the mellow decorations of old gold, and the rich texture of the fine Italian walnut.

Hastings Table Company
Hastings, Michigan
Factory Sales Office and Display
Keeler Bldg. Grand Rapids, Mich.

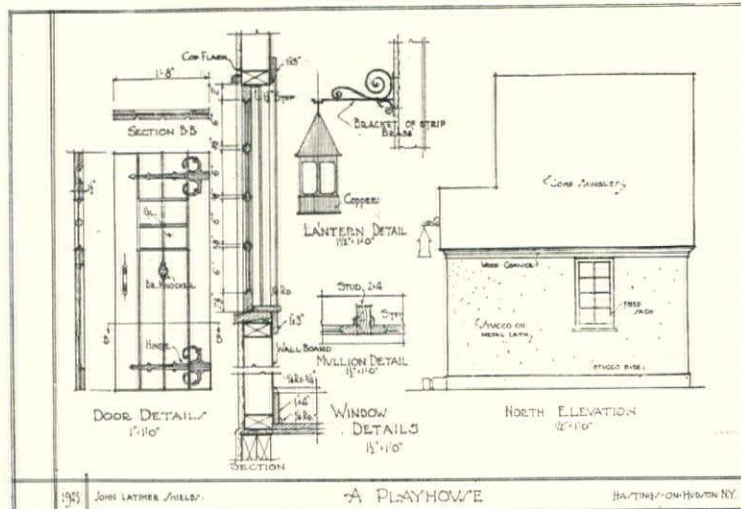
HASTINGS
Furniture
The MARK of FRED E. HILL and his associates



The main room floor measures six by twelve feet and the ceiling height is six feet—a really roomy little retreat!



As clearly shown on page 83, the stucco playhouse has real architectural merit. It is light cream color with red-green roof



Careful attention was given to detail, for permanence as well as appearance. The door is especially interesting

LOOKING FORWARD // FROM OUR

25th Anniversary



by MYRON E. FORBES, *President, The Pierce-Arrow Motor Car Company*

IN scarcely more than a quarter century, a new industry has grown to be the largest in America. New names have appeared in the nation's commerce. Names to conjure with—Ford, Dodge, Packard, Cadillac, Pierce-Arrow, and many others.

The amazing progress of the automobile industry has been due, in large measure we believe, to the broad vision, the friendly helpfulness and the unselfish co-operation of the men engaged in it.

But, remarkable as have been the accomplishments of these men, they are not yet satisfied. They are looking forward to even greater achievements. They are continuing in their co-operative efforts—that betterments and economies may be effected, comparable to nothing that has gone before.

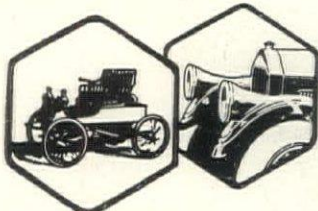
We are proud to have been one of these guiding influences in this industry—an industry that has re-shaped the habits of a nation. We are proud of these broad-visioned competitors of ours, each of whom has contributed generously and unflinchingly toward its upbuilding and success.



Since the beginning, Pierce-Arrow craftsmen have sought to create the utmost in quality, the zenith of motor car value. To these men honor for Pierce-Arrow success is due.

On the occasion of this, its twenty-fifth anniversary, Pierce-Arrow pledges itself to produce even finer cars—to create even greater values.

M. E. Forbes



THE MAKING OF A NEW ROSE

(Continued from page 78)

TO those who value genuine artistic merit in furniture and who search for the out-of-the-ordinary in everything they buy, The Rorimer-Brooks Studios offer an unusual and complete service. The galleries are filled with rare pieces gathered for you from the highways and byways of the world. Vieing with these is the work of the artists and craftsmen in our own shops, who can create and execute for you anything you desire, in a manner matching the very best in old-world handicraft.

**The RORIMER~
BROOKS Studios**
2232 Euclid Avenue Cleveland, Ohio



been allowed to grow by not having made the change soon enough. Scrape off the sand and place the ball of earth containing the seed in a new pot which has been washed; cover with new roasted sand, and your seedling will again be protected from fungus. If the mulch itself commences to grow much of the green fungus, which will be readily noted by the eye, it should be changed for a new mulch.

By this method seeds can be germinated with little danger from stem rot or "damping," which is the greatest menace to seedlings, particularly in the East.

If your seeds were gathered the last of October and planted the first week in November, the little seedlings, with their two funny immature leaves, will begin to appear about the middle of December. At this period there is very little sun in the Eastern climate and the danger from the fungus noted is very great.

AFTER GERMINATION

When from the center of the plant the new and real leaves commence to appear, it is time to move the pot from the mulch and to place it on a bench; but in making such change great care must be used so that the seedling is shaded from direct sun. Either curtains may be used which could be pulled across the bench above the little plant, or else newspapers placed on racks are sufficient to protect them.

In California with seeds grown from outdoor pollination, which are ripened outside and which do not receive the frosts secured in the East, the percentage of germination has not only been much less but the plants themselves have been weaker. While the method described has kept them from dying off, the loss has been very much greater than in the Eastern plants handled as noted. It is felt that this small percentage of germination, and large percentage of deaths among the young seedlings, are due entirely to lack of proper ripening of the seeds. It is believed, nevertheless, that indoor work gives a better percentage of pollen influence in the offspring, and that the ripening method as used in the East is superior to that used in the West, on account of the lack of frost experienced by the latter seeds during the ripening period.

I am arranging to have a small refrigerator built, so that I may subject my seeds to 40 degree temperatures in order to secure better germination from such ripening.

After the little seedlings commence growth, ordinary greenhouse management is all that is necessary for them. Some of them will bloom very quickly; in fact, during the first two months some little seedlings will give forth flowers which, while small, will nevertheless give a good idea of what may be expected later. Such flowers are often deficient in petalage; and eventually the variety will give a greater number of petals than is shown in the first bloom, al-

though a single flower remains single.

The main point to be observed in this work is that the plants must be kept neither too wet nor too dry; and the greatest difficulty has been found at the time when the little seedling commences to mature to the extent where its stalk changes from the soft immature first growth to a real stem with tiny bark. Seedlings are lost during this change when the stem constricts, and the seedling eventually doubles over because the stem is not of sufficient strength to support it. must not be kept too wet, and the greatest care must be exercised to watch for the green fungus. When young seedlings commence to be lost on account of this trouble, there seems to be no certain method of protection. Very light sprayings of a mild formaldehyde solution are dangerous although recommended by some writers. The important thing seems to be to keep new coverings of dry sand, which are sterilized, around the stem of the plant, and to see that it is properly moist, but that the earth in the pot do not become too damp. This is the reason that a soil which gives proper drainage is most necessary. Mr. Fred Howard recommends light applications of weak manure water at this period. These have been found to stimulate growth.

As the plants grow larger the root systems will fill the little pot and when the roots commence to appear from the bottom of the pot a run around the sides of the ball of earth, noted when the latter is moved, it is time to move them.

THE PARENTS' INFLUENCE

In my experiments I watch for pollen parent influence to appear in the seedling. If a cross has been made with a Wichuraiana as a seed parent and an everbloomer as a pollen parent such a plant will show pollen parent influence if it blooms on new wood because the Wichuraiana does not bloom on wood of the current year but only on canes which have grown during the previous season or earlier. Color also is an indication of pollen parent influence. The Hybrid Climber, Bloomfield Exquisite, was a cross between Gloire de Dijon and Gruss an Teplitz. When this seedling in its first stages showed pink flowers it was at once put down to the fact that it had received characteristics from its pollen parent.

In kinds that bloom on wood of the current year, it is very easy to make quick tests of the value of the flower. Whether inside or outside, buds from such seedlings may be taken and placed in large plants, and in six weeks such buds will produce bloom; and it is therefore easy to determine whether the flower is of sufficient value for further trial. In such budding of large plants always use wood of the current year's growth.

For propagation of the young seedlings, I believe that the majority do best if budded to a strong stock for unless the experiments have been carried out with very strong growth

(Continued on page 114)



IT glows with the beauty of flower-bordered paths, this chintz with its clustered roses, dahlias and verbenas. And it has the warm gay tints and mellow tones so admired in the chintz of other days.

Those "chints" of other days! They had a fascination and a charm which carried them into widespread favor.

Early in the 1600's the East India Companies began importing "chints" into Europe, and they met with unusual success. In England the Queen herself had a penchant for "chints from Masslapatan on the coast of Coromandel," and there were instances where all the draperies and coverings of a room were of chintz and the walls done in the same design!

Royal residences at Saint Cloud, Versailles and Montreuil all had their chintz hangings. In fine, everyone had at least one chintz room, and every fashionable wardrobe a chintz frock or waistcoat.

Small wonder that they should attain such popularity, with their bright clear colors and fascinating themes!

TODAY, chintzes are welcomed with the same enthusiasm. Calendered, glazed, and semi-glazed, Schumacher chintzes reproduce the beauty of those earlier prints in all their wealth of design: fanciful oriental patterns; brilliant "Toiles de Jouy" of historic interest; and the floral serpentine

A glazed chintz

with the haunting charm of fragrant gardens

and urn motifs so favored in the Georgian period. There are in this collection prints to add to the color and charm of any decorative scheme.

The semi-glazed chintz shown here is only one of the many attractive Schumacher prints that may be seen by arrangement with your own upholsterer, decorator, or the decorating service of your department store. And they will also gladly attend to their purchase.

"YOUR HOME AND THE INTERIOR DECORATOR"

The advice and experience of expert decorating services are at your disposal, in the furnishing of your home—for just what it would cost you to purchase materials for yourself! Through a decorating service, moreover, you can obtain furniture and accessories, upholstery and draperies you could not otherwise find.

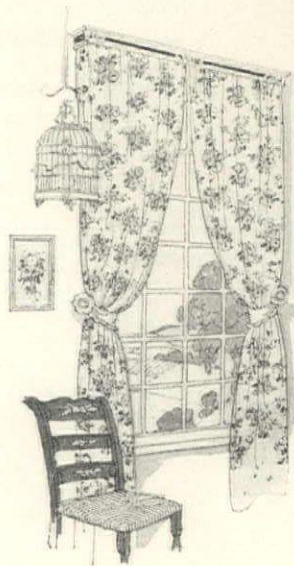
How the decorator will help in solving your furnishing problems is explained in a booklet which we have just prepared, "Your Home and The Interior Decorator." You will enjoy this interesting discussion with its beautiful illustrations in color.

This booklet will be sent without charge upon request. Write to F. Schumacher & Co., Dept. E-1, 60 West 40th Street, New York, Importers, Manufacturers and Distributors to the trade only, of Decorative Drapery and Upholstery Fabrics. Offices also in Boston, Chicago, Philadelphia and Paris.



This Semi-Glazed Chintz with its smooth, dust-resisting surface is offered in various color combinations on a ground of mauve, saumon, mastic and blue.

For effects that can be achieved only with a sheer material, this same design has been made up in a voile, delicate, softly colored and charming. The voile comes in gold, jade, grey, henna, mauve and blue.



F-SCHUMACHER & CO.

TWELVE HUNDRED YEARS OF SERVICE!

A Remarkable Endurance Test for Slate

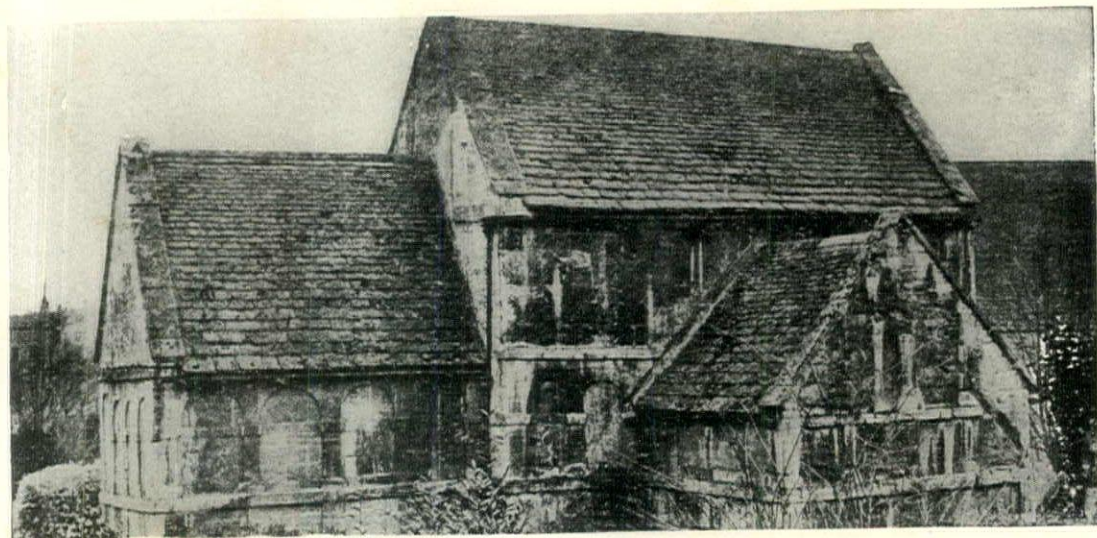
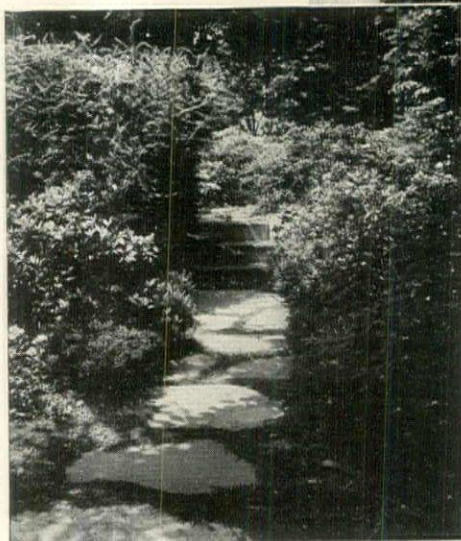
Twelve hundred years ago, when England was seven little counties ruled over by wild Saxon chieftains, the monks of Bradford-on-Avon built a chapel, and roofed it with slate.

That chapel stands today. That roof is still good. Mossy and mellowed by time, it still gives the same service that it gave when originally built.

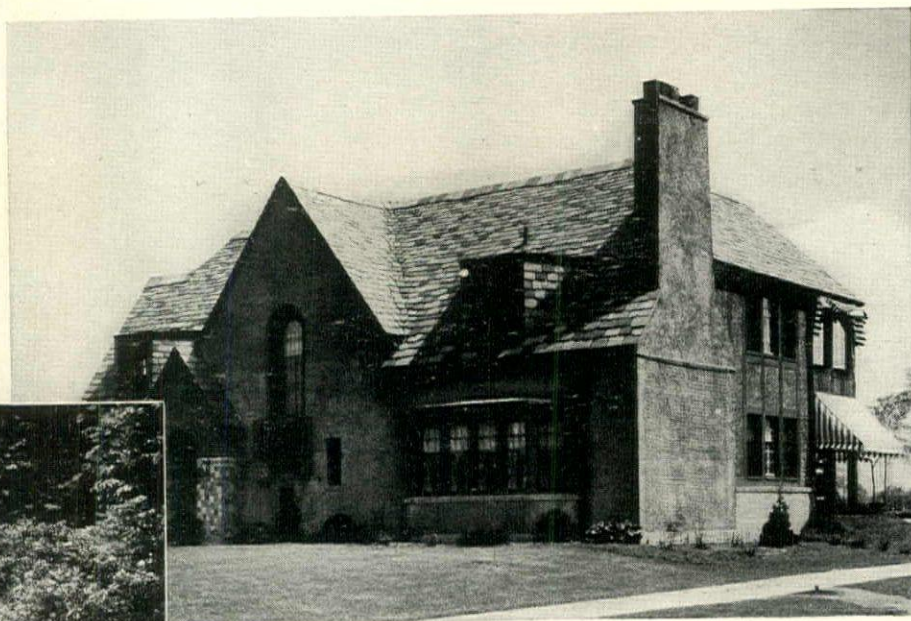
Could there be any better reason why slate is today the most preferred of all roof coverings?

Although the extra-heavy slates are almost universally chosen for the roofing of the more costly homes, there are lighter weight slates in the same beautiful colors within the reach of the most modest builder.

"METTOWEE STONE", an exceptional formation of slate rock in many beautiful colors and natural cleft surfaces, produces a delightful effect when used for garden walks, terraces, porch flooring, etc., especially when the home is covered with a slate roof.



This is Saxon Chapel, built at Bradford-on-Avon in the eighth century and still standing today,—a monument to the enduring quality of slate.



One of the many modern residences roofed with natural slate in variegated colors. Imagine how incomplete the beauty scheme would be without this effective covering.

We maintain an Architectural Department exclusively to design slate roofs "made to order" in any color.

Send for our booklet *A on Roofing* or *Circular B on Flagging*



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EASTON, PENNSYLVANIA



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Branch offices in all principal Cities

S T A N D A R D . O F . T H E . W O R L D



The Standard of the World

We would be a little less than human if we were not proud of the status of the new 90-degree Cadillac.

The country's best citizenship frankly proclaims it the car of cars—the very best, and the most desirable, that human skill can build, or money can buy.

Putting this preference on its lowest plane—trying to estimate the worth of Cadillac reputation in money—the imagination can not measure its value.

As we would be a little less than human if we did not prize this precious preference—

So we would be a little less than sane if we did not protect it.

Every consideration of sense, and business acumen, and sentiment, requires that the Cadillac shall be made better and better in the future, as it has been in the past.

In principle the new 90-degree Cadillac—whose excellence the whole world celebrates today—is the same Cadillac as the first of its type, refined and beautified with infinite patience and unremitting zeal.

We promise you that the Cadillac of tomorrow, or a thousand tomorrows hence, will be the same splendid car, progressively improved—Cadillac in quality, Cadillac in high purpose, Cadillac in unsurpassed performance.

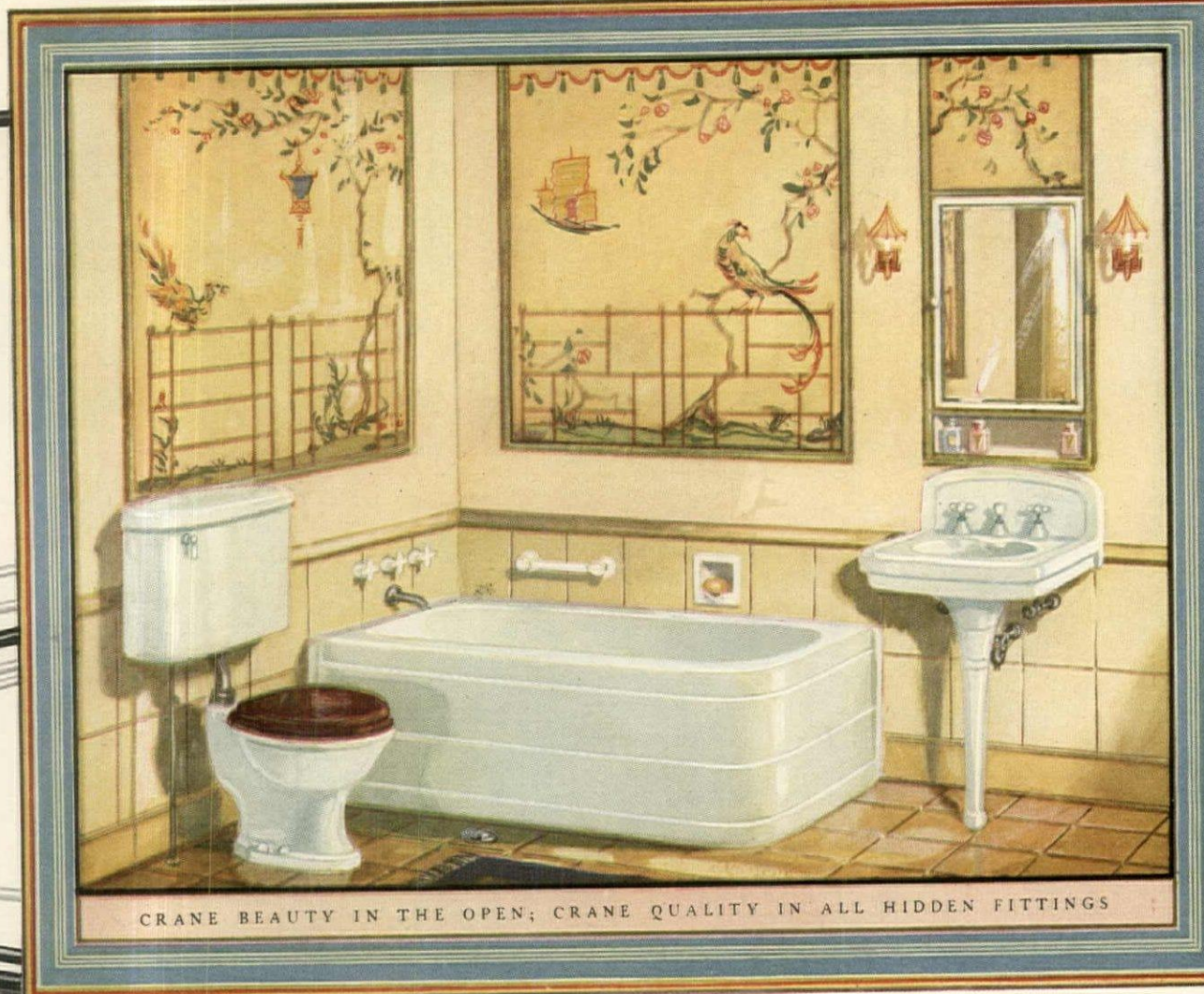
Lawrence P. Fisher
President

New 90 degree

C A D I L L A C

DIVISION OF GENERAL MOTORS CORPORATION





To any bathroom, small or large, color and design lend charm and individuality. Here Chinese influences are strong; but effects as happy might be based on styles more familiar. Instead of painted decorations, American, French or Chinese wallpapers may be used and waterproofed with shellac. The wainscot is painted. The floor is either laid in mastic or colored cement or covered with linoleum.

The cream-white Crane fixtures are in harmony. The graceful *Revere* lavatory of twice-fired vitreous china, matches in color the *Corwith* bath of enamel, its outer surfaces molded in four planes. The *Saneto* is quiet. Only responsible plumbing and heating contractors sell Crane fixtures, valves and fittings in a wide range of styles and prices. Write for our new bathroom book in color.

CRANE

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Branches and Sales Offices in One Hundred and Fifty Cities

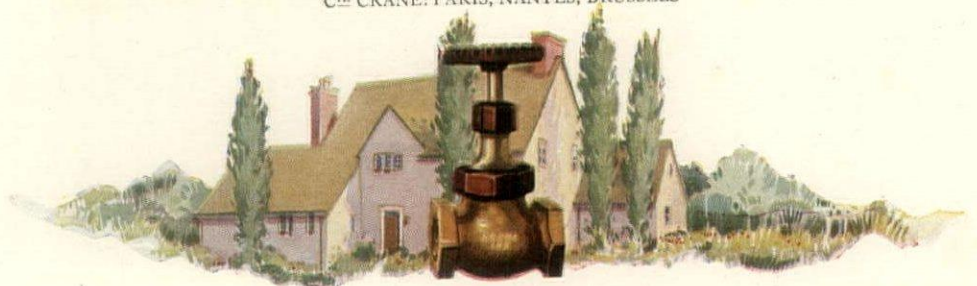
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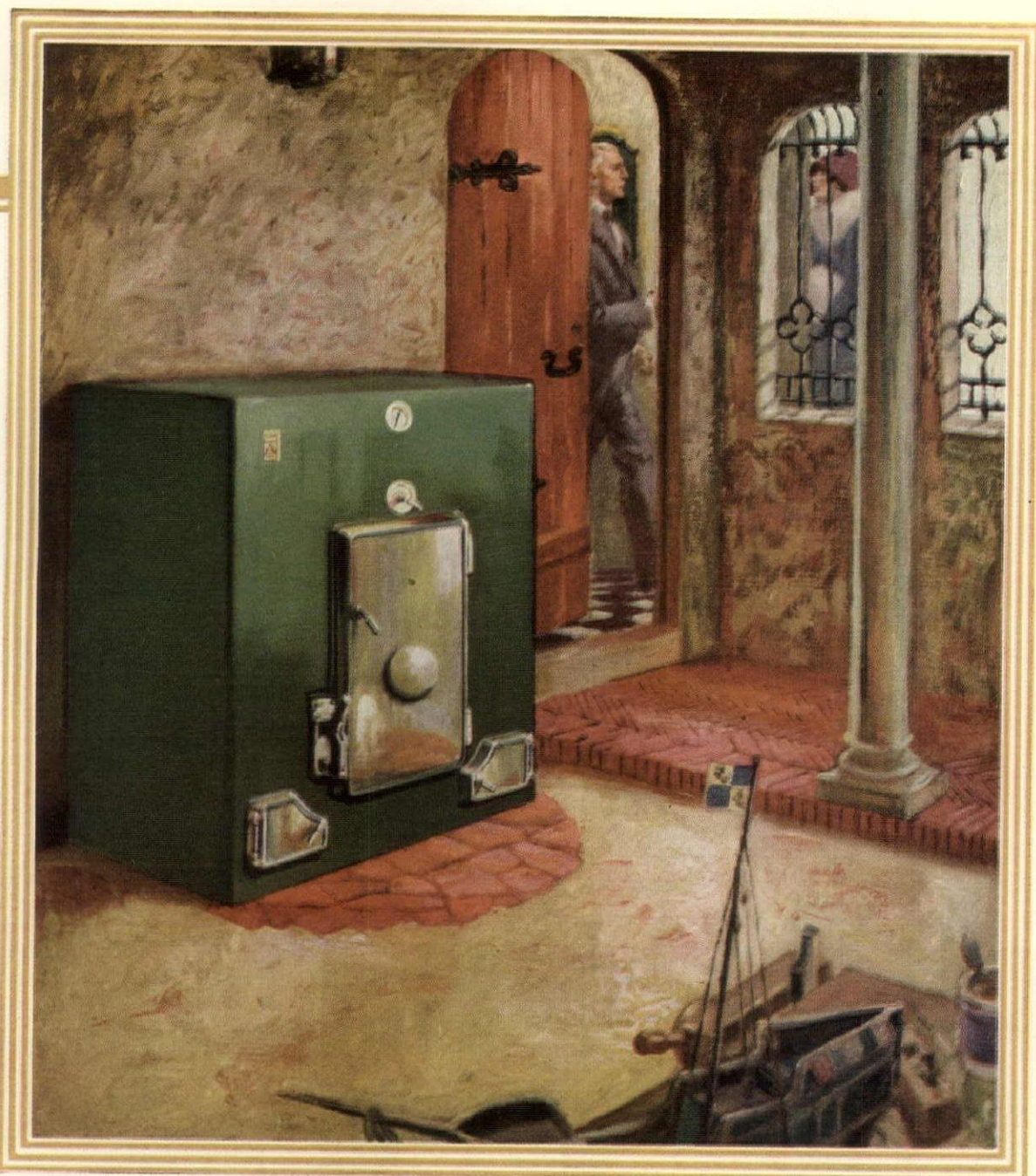
CRANE LIMITED: CRANE BUILDING, 386 BEAVER HALL SQUARE, MONTREAL

CRANE-BENNETT, LTD., LONDON

C^{IE} CRANE: PARIS, NANTES, BRUSSELS



Crane Globe Valve No. 7



© A. R. Co., 1926

In many houses (particularly of the English and Italian types) the space for the heater and other utilities adjoins the lower entrance hall. The IDEAL Type "A" is admirably adapted to such plans, or to homes in rolling country where one side of the basement is exposed.

Buy Heating for the Last Time /

YOU buy heating for the last time when you put in an Ideal Type "A" Heat Machine and CORTO Radiators, for they accomplish 100% in heating comfort and maximum fuel economy and will outwear the building. All achievements are surpassed by the devices which automatically and instantly graduate the heat in volume and degree to suit the most capricious weather. Comfort supreme—and unending!

The IDEAL Type "A" Heat Machine embodies every improvement developed in our factories at home and abroad—nothing is omitted. Heating is made positive, pleasant, and free from strain or care—economical and permanent!

Handsomely enameled, insulated jacketing and carborundum-ground, air-tight doors guarantee ash-dust riddance and cellar attractiveness. Burns hard coal, coke, oil, gas or wood. Put in OLD buildings without disturbing occupants or partitions.

IDEAL Type "A" Heat Machine

Write us number of rooms or size of building. Decide NOW to adopt this wonderful Heat Machine—a big paying investment! Ask today for catalog, with fuel economy tests. Address Dept. B, 1805 Elmwood Ave., Buffalo, N. Y.

AMERICAN RADIATOR COMPANY

Showrooms and sales offices: New York, Boston, Providence, New Haven, Newark, Philadelphia, Baltimore, Washington, Richmond, Buffalo, Pittsburgh, Cleveland, Detroit, Cincinnati, Atlanta, Chicago, Milwaukee, Indianapolis, St. Louis, St. Paul, Minneapolis, Omaha, Kansas City, Denver, San Francisco, Los Angeles, Seattle, Toronto, London, Paris, Milan, Brussels, Berlin

Makers of IDEAL BOILERS

ARCO, ARCO, WATER TUBE, SOFT COAL SMOKELESS; factory heating boilers and other heating, ventilating and cooling products.

An Oak Floor is NOT expensive



*Nature and art combine to personalize
the floors of your home at slight cost*

THE floors of your home are part of its furnishings, and may express individuality as much as pictures, furniture, or other interior appointments. Your guests will always enjoy the beautiful grain and figure which Nature grows in Oak, and which is admirably displayed in Oak flooring. It cannot be successfully imitated. Each flooring strip has individual character, yet over an expanse, the effect is continuous, and in perfect harmony. Your floors may be "personalized," and become an expression of individual taste. You may select

red or white oak, plain or quarter sawn, and apply modern color finishes to conform to the tones of interior woodwork used in different rooms. Weathered finish, for example, in living room or library, reflects dignity; quiet grays, or brighter greens in sunrooms or breakfast porches add freshness and cheeriness. The warm, natural finish of Oak is always appropriate upstairs.

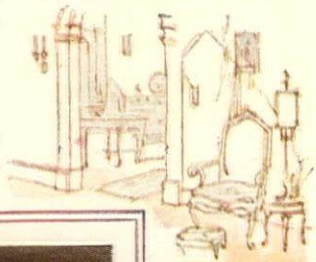
To Suit Any Purse

There are various grades of Oak flooring, to come within any family budget. All Oak floor-

ing is sound and enduring, outlasting the house itself under heaviest wear, and growing more mellow and beautiful with time.

Sanitation

The cleanliness of Oak flooring is also one of its outstanding advantages. Housework is minimized as Oak flooring is easily kept bright and sanitary. Rugs placed to reveal the beauty of Oak in the open spaces, are easily removed when necessary, and a few moments' attention restores your floors to immaculate condition.



When You Remodel

Lay Oak flooring over old work. No work need be torn up, as the old floor becomes a useful subfloor. The cost of each room will be less than many articles of furniture, and you will have a permanent floor that never needs replacement.

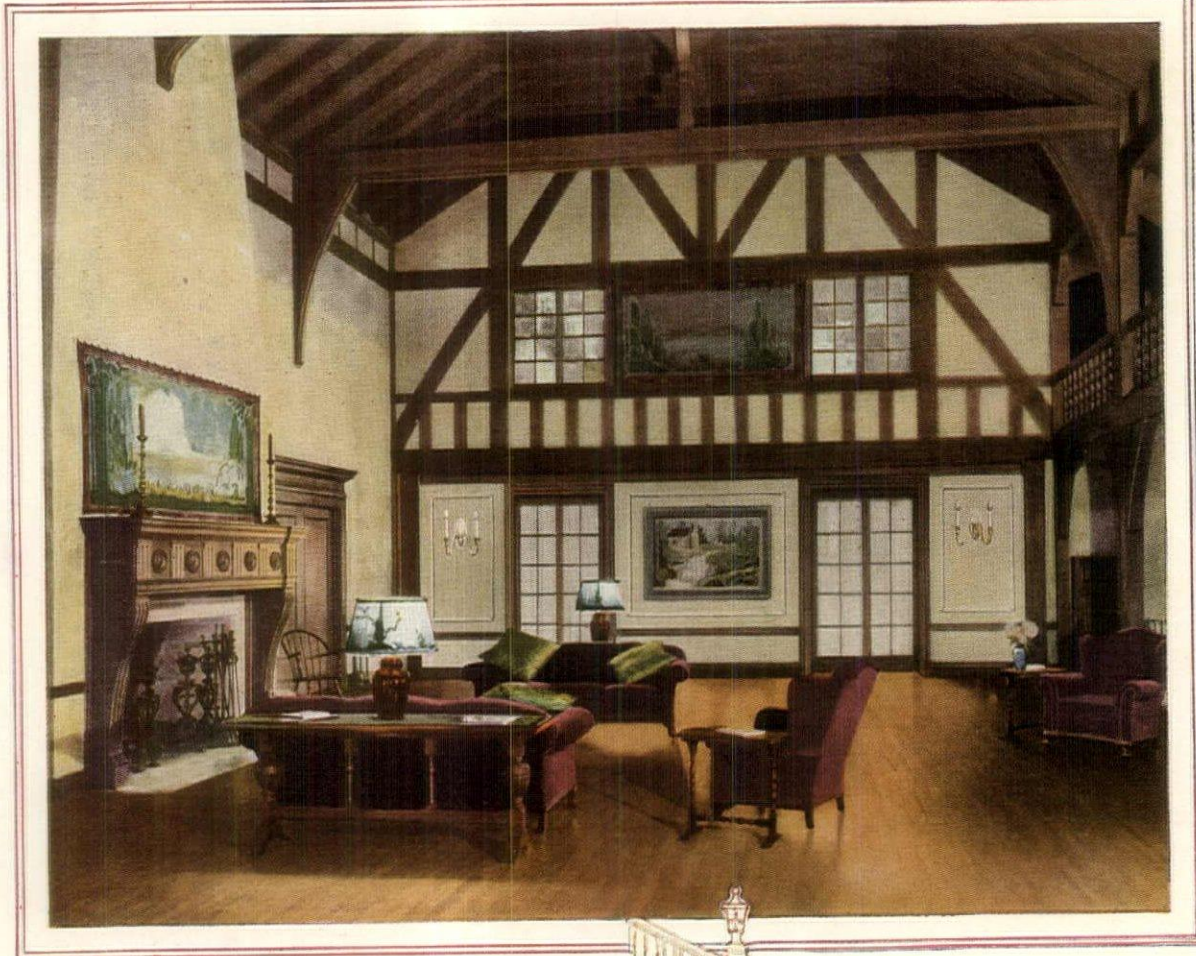
Increased Value

Your home will be worth more whether for rental or sale, as Oak floors add permanent value, and are standard in a modern home.

Mail this Coupon

for "The Story of Oak Floors," a 24-page book, containing color plates of modern color finishes

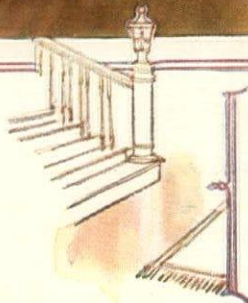
Consult an Architect before Building.



Nature's Gift

Nothing takes the place of the natural qualities of Oak. It is not cold to the touch, nor artificial. It rather imparts the warmth of Nature, and as the product of centuries of slow growth, Oak has character and sturdiness.

Consult our experts on your flooring problems

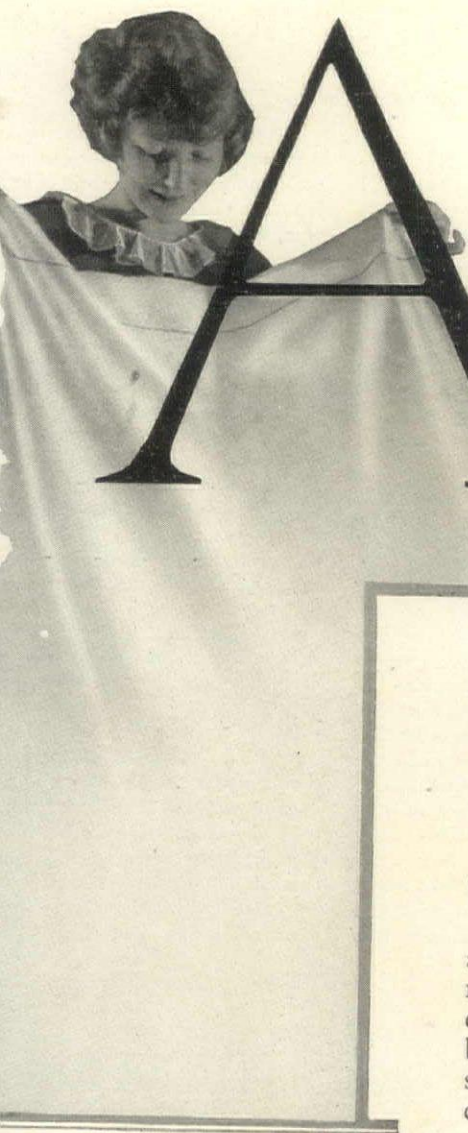


Free OAK FLOORING BUREAU
880 Hearst Building, Chicago

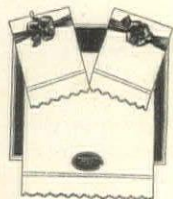
Send me your free, illustrated book, "The Story of Oak Floors," also "How and Where to Use Oak Floors."

Name _____

Address _____ City _____



dollars and sense TALK about sheeting



IN THESE DAYS of household budgets every woman wants to feel sure that she is getting full value for her money when she buys anything for her house.

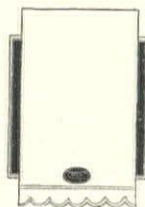
This is especially true of sheets and pillow cases, for the "replacement cost" may easily become a considerable item in the household budget, if the quality of sheeting selected does not stand the test of constant wear.

Price tags do not tell the most important part of the story. For a price is high, or low, in proportion to the satisfaction and service given.

Wamsutta Percalé is used on every bed in the house in thousands of homes that once used the finest of imported linens. The texture is fine, even and white as the finest linen and yet Wamsutta is light of weight, does not wrinkle as linen does and, of course, costs very much less.

Wamsutta Percalé is priced within

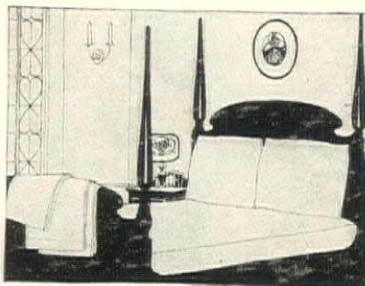
the reach of every woman who budgets her household expenditures carefully and wisely. Its incomparable wearing qualities, because it is woven of selected, long staple cotton, make it a truly economical investment for every household.



Many women have discovered that sheets wear longer if allowed to "rest." It pays to buy a half dozen Wamsutta sheets for a bed and use them in rotation.

Examine Wamsutta at your favorite store. Observe its firm, even weave—its whiteness, its lightness.

Look for the specially woven-in tape selvedge which protects the life of the sheet at its most vulnerable point—the edge. Wamsutta Percalé sheets and pillow cases will prove a permanent investment in the beauty and comfort of your home from the standpoint of utility and economy.



In the white sales this season look—not for price tags—but for the famous green and gold label of Wamsutta Percalé—which assures you that you are getting the highest quality, and the best value, obtainable in sheeting.

WAMSUTTA PERCALE

Quality Tests

Test of Texture. Wamsutta Percalé is the finest woven, smoothest textured sheeting on the market because it is made of carefully selected, long staple cotton.

Test of Lightness. A Wamsutta Percalé sheet 90 x 108 weighs about half a pound less than the ordinary sheet. A real saving in laundry bills!

Test of Durability. The Millard laundry test proved Wamsutta Percalé stronger than 4 leading brands of sheeting when given a test equivalent to six years' wear in the home.

Test of the Making. Wamsutta Percalé sheets and pillow cases are finished with a care worthy of so fine a fabric. A special woven-in tape selvedge prevents the edges from fraying or becoming "ragged."

Test of Fashion. Every correct fashion for sheets and pillow cases is given effective expression in Wamsutta Percalé—hemstitching, collars or exquisite hand embroidery.

WAMSUTTA PERCALE

SHEETS & PILLOW CASES *The finest of cottons*

WAMSUTTA MILLS, New Bedford, Mass. Founded 1846
OLEY WATTS & CO., Selling Agents, 44 Leonard St., N. Y.

Always look for the green and gold

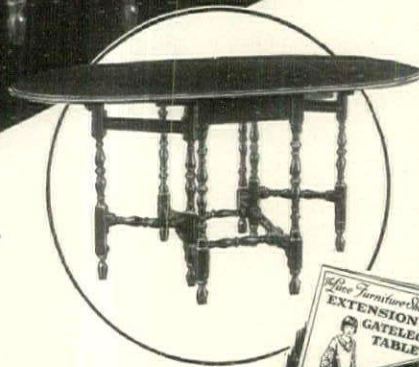


label

THE MAKING OF A NEW ROSE

(Continued from page 110)

The Luce Furniture Shops
EXTENSION
Gateleg Table



A
Table to
Delight You

The Luce Furniture Shops Gateleg Table has an atmosphere all its own, mindful of Colonial mansions, and the brilliant society of Early America; of charming women and masterful men; of dignified statesmen and jaunty Continental Army officers.

It retains all the allure of Washington's time, supplemented with modern efficiency. Can be doubled in size in a few seconds. Extension leaf turns with one hand, as quickly and easily as a page of this magazine. It is built to defy time. Finished to be admired. Is far more ornamental than the ordinary "two-in-one" table, with which it is not to be confused. Its adaptability particularly suits it to the small apartment or home of today.

Write for folder describing our full line of gateleg tables. We will tell you where you can see them in your city. Ask also for our Tea Wagon booklet.

The Furniture Shops
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Roses, such as Climbers or other species, many of these little plants will take a long time to become established from cuttings, whereas quick results may be obtained by budding.

It is therefore advisable to secure Rose stocks early in the spring; to plant in nursery rows; give ordinary cultivation, and in August or September when the flowing sap makes it easy to slip the bark for budding, wood may be taken from the seedlings and budded to the stocks.

There is a great field for original research not only in the ripening of the seed, but also in the care of the little plants. Other interesting experimentation may be made in the propagation and handling of the seedlings themselves; but I do not feel that any plants should be kept which have foliage troubles, or which do not show absolute and distinct individuality. It is advised that the seed parents be selected with some definite purpose in view; that this be gradually worked out, and that only such seedlings as show improvement in the direction desired be retained.

At the present time the Rose world is swamped with many inferior and worthless seedlings. While it is true

that we are indebted for our present remarkably finished and diverse Rose list to the new Roses which appear, nevertheless entirely too many new varieties are put on the market which are not distinct and which have little value for general garden cultivation. However, there is no doubt a question but that many things can be accomplished in Rose breeding that within the next few years will be seen many distinct and valuable productions.

It is my belief that more plants may be obtained from experimentation in the making of new varieties than in any other branch of Rose cultivation; and, of course, this applies with equal force to other kinds of plants, fruits and vegetables.

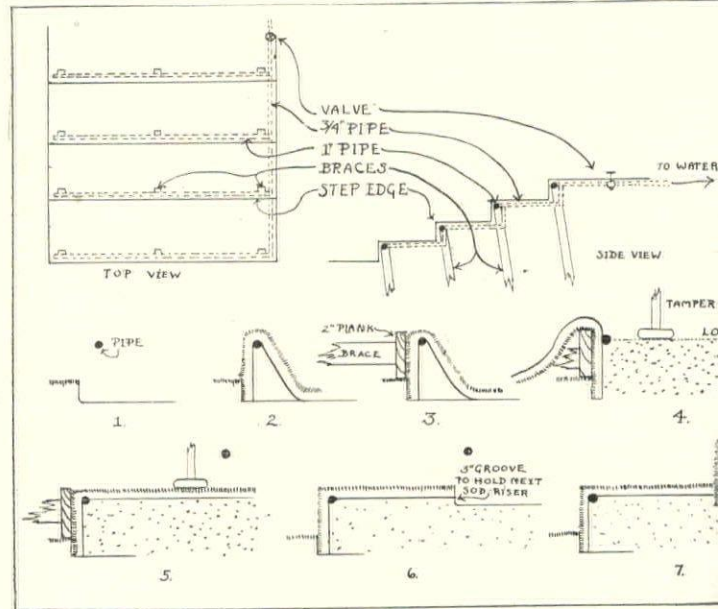
It is hoped that the matter set forth herein will prove of interest to amateur gardeners, and will encourage them to attempt this most fascinating and profitable field of work. It should again be emphasized that experimentation is not difficult and provides boundless possibilities for home experimentation which may be carried on during the winter months in climates with heavy frost where outside work is at a standstill.

SOD STEPS FOR THE GARDEN

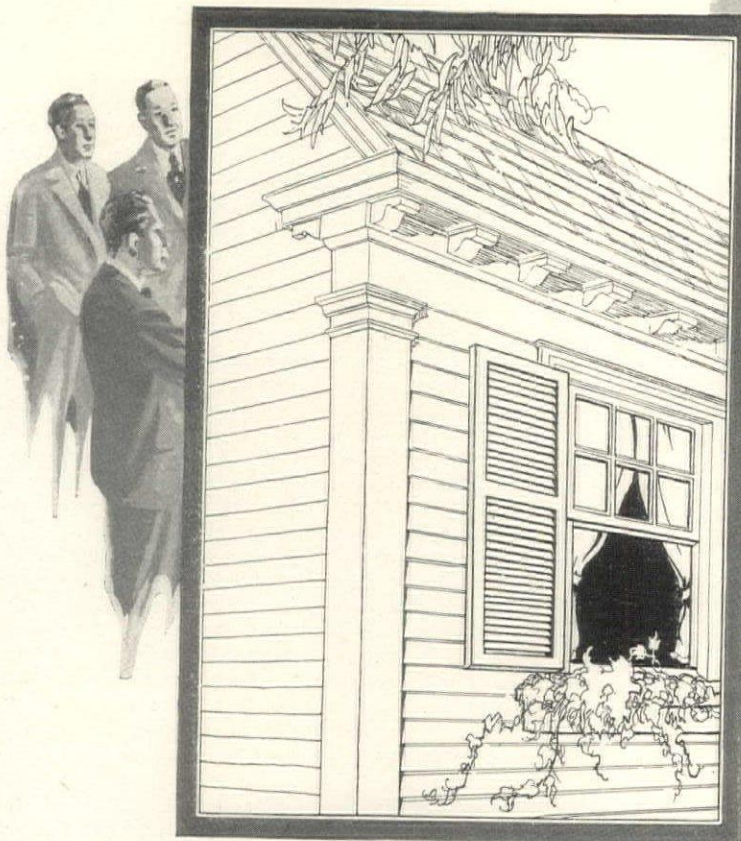
(Continued from page 90)

scrupulously excluded, of course, and a periodical soil enrichment will be of benefit if it is provided in the form of a light top-dressing with special lawn fertilizer. Should moles put in an appearance prompt measures must be taken to eradicate them, as their activities will be particularly harmful in that they will tend to break down

the tread edges. Once the moles have been trapped or driven out the ridges they have made can be flattened with the back of a spade. Each spring, too, as soon as the snow is out and before the steps are to any extent, the spade can be employed to advantage in compacting the sod.



Sod steps must be built on a definite plan, else they will not be durable. Properly constructed, they will withstand wear-and-tear equivalent to the passing of fifty persons daily



Personnel of the Jury:
The Architect, The Builder, The Carpenter, The Lumber Dealer, The Sash and Door Mfr., The Pattern Maker, The Frame Mfr., The Shipper, The Cabinet Maker, The Wood Technologist, The Painter, The Manual Training Instructor.

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MEN who know most about woods and wood-values, advocate California Pine for cornices, outside casings, porch floors, balusters, porch rails, blinds, newells, dormers, porch columns, fascia, lattice and other outside construction.

You ask why? The architect answers. He it is who specifies the materials to be used in your home. So he gives you his reasons for selecting California Pine for exterior trim. Says he—

"California Pine has two outstanding natural characteristics that result in a combination of excellent service-qualities. One of these characteristics is unusual freedom from pitch. As a consequence, when California Pine is well seasoned, the 'cells' of the wood are clear, unclogged. Hence there is very little swelling or shrinking in the presence of moisture and heat. That is why California Pine 'stays put'—why seams and joints stay tight and the entire structure retains its original 'well-built' appearance.

"Another advantage to you, resulting from this characteristic of California Pine, is extraordinary ability to take and hold paint. This advantage is reflected in longer intervals between re-

paintings and better service and protection from each painting.

"Now, as to the second outstanding characteristic of California Pine—it has a soft, even texture and fine grain. That is why this wood works so easily, either at the planing mill or in the hands of the carpenter. It does not splinter or split under the planer, the saw or the chisel. Decorative cornices, fine scroll work, all desired and standard moldings, are accurately milled from this soft pine. Artistry of special architectural designs is faithfully produced in all its purity and definiteness of outline and contour. A greater degree of beauty is thus assured for your home.

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"Altogether, California Pine makes the ideal wood for the exterior of your home. Furthermore, we architects know that planing mills and mill-work factories everywhere produce from California Pine, nearly all the forms necessary for exterior work, ready for the carpenter to use.

"EXTERIOR USE" qualities, and others of like value, make California Pine the favored wood for practically every homebuilding purpose, such as:

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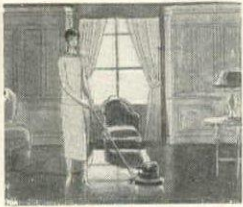
NEW SMARTNESS FOR YOUR FLOORS

Thirty Minutes a Month—and the Ponsell will keep any floor in your home as spotless and bright as your dining room table

Regardless of the floor—hardwood, parquet, tile, linoleum, cork or cement—the use of the Ponsell will keep it new! Walk on it—track dirt across it—dance on it—let grease spatter it—5 minutes and the Ponsell renews it.

And then think of the delight, the pride of Ponsell-appearing floors. With the Ponsell in her home, no woman need make excuses to her friends or to herself. Thousands of Ponsell users confirm this. They have done away with the back-breaking, hand methods of the past. These thousands of users know the pride of beautiful floors.

Moderately priced. Operated by electricity. Consumes less than 5c worth of current an hour. No skill or strength required.



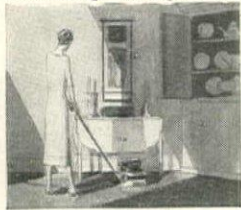
1. Keeping my floors beautifully polished is now a pleasure—just guiding my Ponsell gently along. Gone is the backache of hand-polishing.



2. My Ponsell is equally good on my large stretches of bare floor or on the narrow borders between my rugs.



3. "Will it go into corners and up to the baseboard?" Certainly it will. There, I polished that corner, not a dull spot left.



4. And now I can polish around and under my furniture without having to move it. My Ponsell reaches narrow awkward places without any trouble. Hasn't it all become easy!



5. Scrubbing my kitchen floor is just as easy. I simply attach the scrubbing brush and watch my floor turn snow-white. "Better than a sloppy-mop?" It surely is!



6. Now a few strokes of the "squeegee", (which came with my Ponsell), dry up my floor in a jiffy. Oh!—by the way, —last Fall my Ponsell saved me a lot of money.



7. With it, I had no trouble at all in bringing back to its original beauty, my stained, scratched dining room floor.



8. All I had to do was first to spread Varnish remover on—I let it dry for six or seven minutes and then—



9. I attached the steel wire brush armed with a pad of steel wool and went over the prepared portion of the floor.



10. Off came the old dirty finish, leaving the wood as fresh as new. I then attached the sandpapering pad and smoothed and brought out the grain.



11. All I had left to do was apply a little liquid wax with the Ponsell waxing brush and—



12. With the Polishing brush I brought the wax to a high luster and behold! My floor is spotless and gleaming for all to see.



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Please mail free illustrated folder and full information and prices about your electric machine for scrubbing, refinishing, and polishing floors of all kinds.

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H. G. 1-26

GARDEN FEATURES IN OUR TROPICS

(Continued from page 84)

or November. This also applies to other Ferns, including the Boston Fern, which is a native of the Coconut Grove section of southern Florida. Bulbous plants, such as Lilies, Gloxinias, Calla Lilies and Gladioli may be planted any time from November to January.

Lawns are planted in the fall, using Bermuda grass for the high pine lands and St. Augustine grass for soil that is close to the salt water. In many instances other Clover-like growth is being used with unusual success as a substitute for grass. As elsewhere, the need of artificial enrichment of the soil is a matter of local conditions, always to be considered.

It would require many books to describe the full possibilities of this land where Orchids grow out-of-doors on trees, hothouse Lilies grow in open air pools, where Maidenhair Fern is used as a border plant and many of the tenderest flowers grow apparently without care or cultivation.

ARCHITECTURE IN GARDENS

The architecture of Florida has taken on that Old World atmosphere with line and exotic color fitting into the tropic garden setting. Soft toned tile roofs, patios, pergolas, pools and plazas borrowed from the little villages of southern Europe, all have their places in the mosaic of color.

Here one finds a stuccoed bit of wall with a swinging gate, blue of the sky, tempting one to trespass into gardens beyond. A seat beside a Lily pool invites one to the luxury of laziness as the eye is caught by the slow dripping from a nearby fountain of sunlit drops into a pool in whose corner may be cuddled Lily pads, with two or three blossoms reaching upwards on long stalks. They are a vivid blue, as of the Gulf Stream on a day of sunshine, petals tipped with yellow as though they had caught and held a sunbeam. And along the edge may grow feathery clusters of Papyrus, strayed far from its Egyptian home.

All of southern Florida is an inspiration to lovers of garden lore. Here are found some of the most interesting and intensive little garden clubs in the country, whose meetings are held out-of-doors in the gardens of their members. Demonstrations are given with detailed instructions as to the culture of the varied growth suitable to this climate and setting, never forgetting the artistic effects of grouping the right colors to serve as background.

In one such garden near Miami,

which has been cultivated by Lula McLendon of that city, many found set amid tropical Palms the old friendly varieties of our grandmothers' gardens—Lantanas, Larkspur and Calendulas, keeping in communion with such neighbors as the Candytuft, Chrysanthemum, Scabiosas, Ageratums and Sweet William. Here too are found old favorites among the Carnations, Petunias, and scarlet Salvia, Asters and the Blue Lace Flowers. In this garden now counted twenty-two varieties of annuals with plans for the planting many more for another season.

This ambitious gardener was last season that Hollyhocks would grow in this section of Florida. Woman-like, she immediately with Hollyhocks in her kitchen garden in a few months proved the fact with a group of stalks that measured more than twelve feet in height.

The gardening possibilities have yet been more than touched in part of the State. Strange plants brought here from far countries and most of them have taken to soil and climate as though they were their own. Here the delicate Orange may be tacked to the branch of a tree and, left alone without further produce its delicate blossom.

TAMING THE WILD FLOWER

Planting here is still in the experimental stage. One of the most interesting phases is that of the cultivation of flowers and shrubbery in the woods transplanted to a cared-for garden. Interesting adventures of this kind have been indulged in by F. E. Betheuser, well known as a culturist of the estate of Mr. and Arthur Curtis James in Coconut Grove, where low growing wild tana has been cultivated to a height from four to five feet, blooming luxuriously.

The sunken garden too, has proved unusually successful and has converted many a yawning hole into a garden where fairies may dance by the light of the moon. In one I know of a young Pine stands guard, flanked by a row of tall Yuccas, "Spanish net," with their clustered flowers. In this odd-shaped bowl is a riot of colors mingled—dwarf Poinsettias, Coleus, Crotons, Alamanda and Palm, *Phoenix sylvestris*. And in the background to this wealth of green is the tall Florida Pine tree, reaching long arms into the sky, lending spare length of trunk as support to vines whose flowers may be of a pale tone.





OAK
the sovereign wood.

The RENAISSANCE of OAK.

THE age-defying beauty and impressiveness of Oak is seen at its best in the Memphis home of Mr. R. M. Carrier, (Bryant Fleming, Architect), a veritable treasure house of antique Oak furniture and woodwork. Even the camera seems to have caught something of the spirit of hospitality that hovers over the dining-room, pictured above, which, with other rooms in the house, was transferred from an English castle of the Renaissance period. Verily, old Oak, like old wine, seems to improve with age.

Inspired by the historic associations of this sovereign wood, its inherent livable qualities, its endurance and adaptability, present day craftsmen have turned a new tide of favor to Oak furniture and woodwork by using this wood in the soft, natural finish.

The Oak Service Bureau of the Hardwood Manufacturers Institute, Memphis, has assembled numerous noteworthy examples of the versatility of Oak in its booklet, "The Charm of the Sovereign Wood," which you should have by all means before you build, remodel or redecorate,

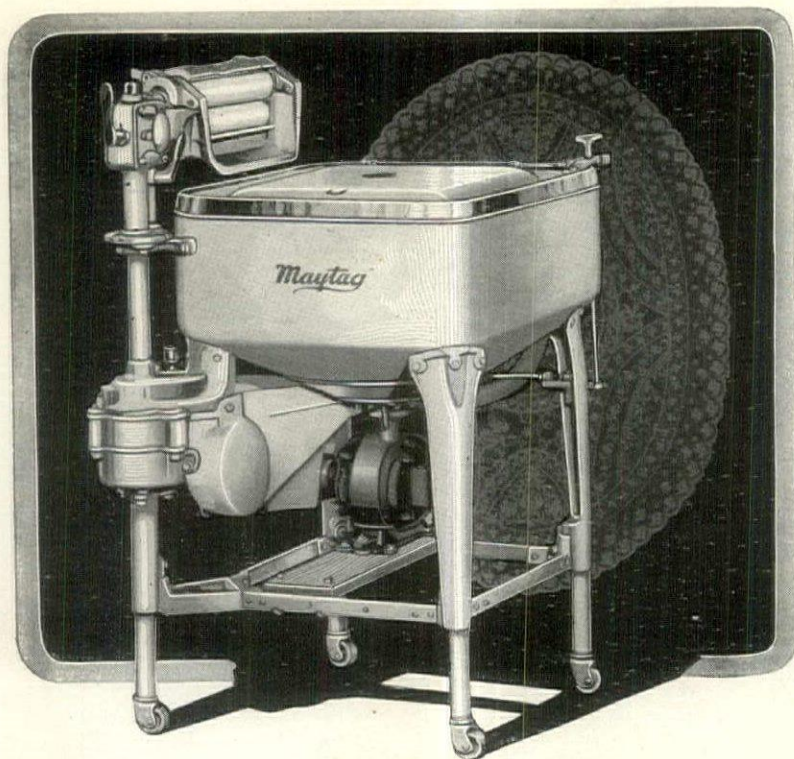
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OAK for charm, comfort + character.

PECANS AND OTHER NUT TREES

(Continued from page 74)



Is the Maytag
so much better?

THE phenomenal sales record of the Maytag is causing thousands of housewives every day to give it consideration.

But they ask for convincing proof of its superior washability.

Does the Maytag wash a tub of clothes in 3 to 7 minutes?

Does it wash collars, cuffs and wristbands clean without hand rubbing?

Does the cast aluminum tub clean itself in 30 seconds after the washing is done?

Does the reversible swinging wringer adjust itself automatically to a handkerchief or a blanket?

These are questions that arise—and there is only one way to satisfactorily answer them—and that is by arranging to place a Maytag right in the home to do a week's washing, and to undergo any test or comparison desired.

This is exactly what we do.

Any Maytag dealer will bring a washer to your home for such a test.

We depend entirely on the Maytag in service to sell itself to you. If it doesn't sell itself, don't keep it.

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regions of Europe and Asia and likewise in this country, especially in California. No other nut tree is so much appreciated as a producer of food in temperate lands. An important desideratum is a type of this Walnut which would be perfectly hardy in northern New England. A few trees are known in Massachusetts but properly speaking the species is not hardy here. From the colder parts of western China I sent seeds in the hope of securing a perfectly hardy type, but I am not sanguine.

The common Walnut is one of the noblest of northern trees. At its best it grows a hundred feet tall with a broad, rounded crown of massive branches and a bold, often gnarled, trunk fully twenty feet in girth. Through long and wide cultivation many varieties have originated and the nuts vary much in size, shape, sculpturing and thickness of shell. The most superior kinds have a thin shell and measure $2\frac{1}{2}$ inches. By careful selection even greater improvement may result.

JAPANESE AND BLACK WALNUTS

From the viewpoint of nuts, the next important Walnut is the Japanese *J. Sieboldiana*, known as Kurume, and distributed from south Japan to the bitterly cold regions of central Hokkaido. The Kurume is a much smaller tree than its European relative with the fruit in long racemes and ovoid or globose nuts, rounded at the base and pointed at the apex, very slightly wrinkled and pitted, not ribbed, and rather thick-shelled. Much cultivated in central Japan is the variety *cordiformis*, characterized by its heart-shaped, much flattened, sharply two-edged nut which is smooth and rather thin-shelled. Raised from seed the var. *cordiformis* cannot be depended upon to come true, for many revert to the wild type. In this country the best results in Walnut growing will probably be obtained by hybridizing *J. regia* with the Japanese *J. Sieboldiana* and its variety *cordiformis*, which are hardier; the importance of this fact cannot be overestimated.

The Black Walnut (*J. nigra*) is a magnificent tree producing valuable timber, but its nut is small, has a very hard shell, and is of little economic value. The Texan Walnut (*J. rufescens*) is a tree of quite moderate size and bears small nuts of no particular use. The two Californian Walnuts (*J. californica* and *J. Hindsii*) are large trees but their fruits are poor.

The other species of *Juglans* to be considered are best classed as Butternuts, and the best known and most valuable is the American *J. cinerea*. This is a tree occasionally 100 feet tall and ten feet in girth of trunk with a broad, round-topped crown bearing the ovoid, pointed, 8-ribbed nuts with thick shells but sweet flesh. The Chinese *J. cathayensis* is a bush or slender tree with a small, very rough nut of no particular value. The Manchurian *J. mandshurica* rivals the American Butternut in size and the nut shows a decided approach to that of the true Walnuts. The shell is very

thick and the flesh limited in quantity.

The most famous and oldest cultivated nut tree native of this country is the Pecan (*Carya pecan*), which exceeds all other Hickories in size; in alluvial soils trees 175 feet tall by ten feet in girth of trunk often occur. In the Arnold Arboretum there is a healthy young Pecan tree which is one of our proudest possessions, for hardiness is a surprise to us. In connection it seems necessary to emphasize the fact that the Pecan is a southern tree which cannot be expected to be hardy in the cold northern States. There is a wide region in this country where Pecans can be successfully grown, but it is not New England nor any of the cold northern or middle-west States. If intending growers will properly appreciate the fact they will be saved money and disappointment. Pecan nuts are variable in size, and the best forms are about $2\frac{1}{2}$ inches long and 1 inch broad, have a thin red-brown shell and a sweet-flavored reddish-brown kernel. They are borne in clusters of from three to twelve. Each is contained within a thin, brittle, dark brown angled husk.

The next Hickory in importance is the Shagbark (*C. ovata*) distinguished by its thin-shelled nut, its leaves five, rarely seven, leaflets, its smooth bark, and other less obvious characters. It is a northern tree, being distributed from the neighborhood of Montreal southward. There are several varieties distinguished by the shape of the leaves or fruit; in the typical form the fruit is short-oblong to sub-globose and depressed at the apex. Of the Hickory there are a number of selected forms valued for the size and quality of their nuts. Of such potential value is *C. laneyi*, a natural hybrid between the Bitternut (*C. cordiformis*) and the Shagbark (*C. ovata*), which has a nut with the shell of the Bitternut and the large, sweet kernel of the Shagbark. The shell is very thin the kernel larger than usually produced by the Shagbark.

A third species of *Carya* is *C. laciniosa*, the Kingnut or Big Shellbark. This is essentially a tree of the central States where it exceeds 100 feet in height by ten feet in girth of trunk. The fruit is solitary or in pairs, about two inches long with a hard, woody shell; the nut is compressed, 4- to 6-ribbed with a bony shell and a small, brown, sweet kernel.

RAISING HICKORIES AND PECANS

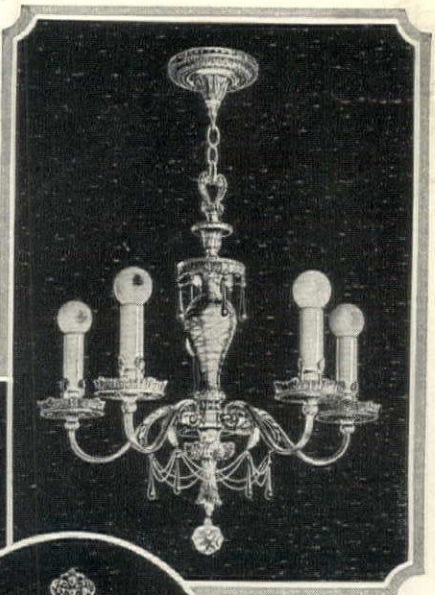
Hickories and Pecans are easily raised from seeds, but the seedlings develop long, thick tap-roots and in consequence are difficult to transplant. The best plan is to sow the nuts in the fall and leave the seedlings to develop in place. The better varieties are increased by grafting and budding and old trees can be headed back and top worked in a satisfactory manner. In the north the propagation is more difficult, yearly it is becoming better understood and in time will probably become as easy as that of the Apple and Peach. The Pecan industry is well established in the warmer States but it can not

(Continued on page 122)



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Authentic Period Adaptations

Lion Lighting Appointments Will Harmonize Perfectly with the Decorative Scheme of Your Home



WE have carefully studied and analyzed the best practices of Interior Decorators, and we find that the keystone of their success lies in their ability to create symphonies of line and color into which every unit of furniture, furnishings and lighting appointments, fits with rare harmony and total absence of discord. So we have taken this knowledge and constructed from it the very fabric of our *Authentic Period Adaptations* for Residence Lighting.

Authentic Period Adaptations will, undoubtedly, harmonize perfectly with the decorative scheme of your home. There are so many designs to choose from, so many period influences represented, and all are priced to suit the purse of a person of average means. Furthermore, they are amply guaranteed for lasting quality and durability of finish. Seeing them for yourself will confirm the advisability of our recommendation.

LION LIGHTING APPOINTMENTS are culled from the most representative and authentic works of famous old masters. In turn, these design motifs are interpreted to suit the present day modes in dwellings. Thus, you may obtain LION LIGHTING APPOINTMENTS which will harmonize with the decorative scheme of a single room, or of an entire home, regardless of the predominating period influence. We can most truthfully state that, "Any home which is, or is about to be, decorated and furnished in good taste, will have its beauty and charm still further enhanced by an installation of the proper lighting appointments."

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WHETHER we like to admit it or not, the fact is that we are entering a domestic servantless age. Inefficiency and ridiculously high wages are making it impossible for housewives, who would formerly have had servants, now to have them. This condition will get worse, not better.

Build with this fact in mind. Banish the garbage nuisance. Stop those unending, unpleasant trips to garbage can and rubbish pile. Gain perfect tidiness of basement and yard. Do it with the Kernerator, which accomplishes instant garbage and waste disposal without leaving the kitchen.

Costs Nothing to Operate

The Kernerator consists of a brick combustion chamber in the basement, connecting with hopper doors on floors above. Into these are dropped all types of waste—garbage, sweepings, tin cans, broken crockery, old magazines, wilted flowers, etc. An occasional lighting destroys the accumulation and metallic objects are flame-steril-

ized for removal with the ashes. No oil, coal, wood or gas—the waste itself is fuel for its own destruction.

The Kernerator costs no more than a good radio set. It must be built in when your home is erected, while the radio can be added at any time.

Consult your architect or contractor. Both know and recommend the Kernerator. Or write us for complete descriptive literature

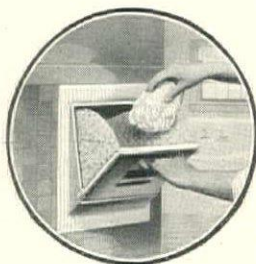
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Garbage dis-
posal without
leaving the
kitchen.

PECANS AND OTHER NUT TREES

(Continued from page 118)



YOU are probably sick and tired of reading endless arguments about tooth paste—which to use and why.

Here is the story of Listerine Tooth Paste in a nut-shell:

It's made by the makers of Listerine. It tastes the way you want it to taste. It does its work well.

It is sold at a price you like—25 cents for the large tube. And if we charged you a dollar a tube we couldn't offer you a better tooth paste.

Try it once* and we'll wager you'll come back for more—unless you're different from the thousands of people who have switched to Listerine Tooth Paste.

Lambert Pharmacal Company
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* Its wonderful refreshing effect alone has converted thousands to the use of this paste.

LISTERINE TOOTH PASTE

Large Tube—25 Cents

become profitable in New England nor in the colder parts of this country.

The fruit of all the Chestnuts is edible. The European (*Castanea sativa*) is the best known and the most famous but unfortunately it is not hardy in the colder parts of this country. It is much cultivated in Italy, Spain and France, where the nut is a staple article of food. This Chestnut is often 100 feet tall and twenty feet in girth of trunk, with a wide-spreading crown of massive branches. The nuts are usually three in each spiny, round husk, occasionally more, sometimes one only. There are many garden varieties and some with a very large nut are grown in Madeira.

Rivalling the European species in size of nut is the Japanese *C. crenata*, widespread in Japan and in Korea. It is not a very large tree but some of the named sorts like Tamba or Mammoth have huge nuts, though the flavor is rather inferior. The type and the best known varieties have been introduced into this country. The trees grow rapidly and fruit at a comparatively early age; it is regrettable that they are not more disease resistant.

OTHER ASIATIC CHESTNUTS

More valuable is a Chinese Chestnut (*C. mollissima*) with a rather smaller nut than those of the preceding species but sweet and of excellent flavor. It is a tree of moderate size, widely distributed in China from east to west and cultivated in Korea. Though subject to Chestnut blight in the Orient, this species seems to be nearly immune in this country, and this combined with its hardiness makes it a most useful tree for breeding purposes here. The largest of the Asiatic Chestnuts is *C. Henryana*, which is occasionally 100 feet tall and eighteen feet in girth of trunk and is characterized by having normally a solitary, ovoid nut in each spiny husk. The leaves are smooth, without glands, and the lateral nerves project beyond the margin in long, hair-like points; the petioles and shoots are quite smooth and dark colored. The nut, through small, is very sweet and of most excellent flavor.

A passing word is due the American Chinquapin or Shrubby Chestnut (*C. pumila*), a bush or small tree which bears usually in each husk a single nut, small, sweet and good to eat. This species in the hands of the hybridist may be the progenitor of a race of Bush Chestnuts bearing fruits as large as the European and Japanese kinds, hardy and as sweet in flavor as the Chinese.

The genus *Corylus*, which yields the Hazel-nuts, is spread throughout the northern Hemisphere. Some twelve species are known, three of them (*C. colurna*, *C. Jacquemontii*, and *C. chinensis*) large trees. The others are best described as large bushes though occasionally they form small trees. The Oriental *C. chinensis* is a very large tree and I have a vivid recollection of one giant, growing in central China, fully 120 feet tall and eighteen feet in girth of trunk, with a broad, oval crown. For orchard cul-

ture the European *C. avellana* has so far received attention. This much grown in Italy, Spain, France and the county of Kent in England, but the bulk of the nuts in commerce are shipped from the Spanish port Barcelona—hence the name Barcelona nut. A number of varieties are grown and in France the better kinds are called *Avellanes*. The best sorts known as Full-beards or Filberts and Cob-nuts. The first-named have long nut enclosed within the long tubular husk which is contracted at the apex of the nut. There are several forms differing in the shape of the nut and the relative length of their husks. The red and white Filberts are similar in external appearance but in former the pellicle which covers the kernel is red, in the latter pale greenish brown. According to the books the Filbert was first known from Persia on the Asia Minor shores of the Black Sea, and was known to the ancient Greeks as *Nux pontica*. The Cob-nuts are short and roundish and have thin shells, the most familiar being the Barcelona nuts of commerce. A form with large nuts is known in England as the Kentish Cob. Some consider that the Cob-nuts belong to a separate species known as *C. pontica*, but this seems to be doubtful. Another European species (*C. maxima*) is a large shrub confined to southern Europe and has a husk contracted above the apex of the nut into a short tube. A review is that the Filberts are hybrid between this and *C. avellana*.

Of the three American Hazel-nuts *C. rostrata* is most widely spread. It is a bush of moderate height producing suckers freely; the husk completely encloses the nut and is contracted beyond into a long tube. Another species (*C. californica*) differs in having the husk terminate in a very short tube. The remaining species (*C. americana*) has a roundish nut contained in an open husk with jagged, almost fringed margins and is a broad shrub, five to twelve feet tall, distributed from New England southward. The native species of Hazel-nut have been neglected and ought to be taken in hand for orchard culture.

THE BRUSH HAZELS

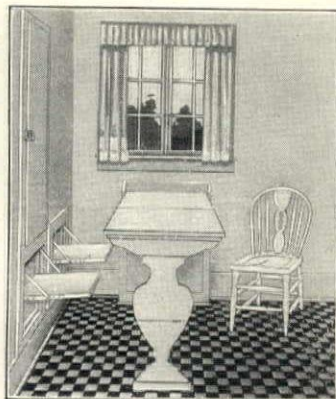
The two bush Hazels of eastern Asia (*C. heterophylla* and *C. Sieboldiana*), each of which has several recognized varieties, are worthy of passing notice. Both are hardy and will some day play a part in American nut culture. The first has leaves variable in shape, as its name indicates, and an equally variable husk which is lacinated and often crested but open at the summit, exposing the roundish, thick-shelled nut. It is a low bush, seldom more than six feet high and usually less, which suckers freely. In China it is represented by the varieties *sutchuenensis* and *yunnanensis* which are large bushes often twenty feet tall and differ in technical characters. The other species (*C. Sieboldiana*) resembles the American *C. rostrata* in that the husk completely encloses the nut and, moreover, is contracted at the apex into a narrow tube.

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The above Kitchen Maid Combination includes six distinct units—yet note its complete and finished appearance



THE PULMANOOK—consisting of folding table and chairs. When not in use these fold out of the way, leaving the space open for ironing or other purposes. The Pulmanook, with two chairs, may be used in a corner of the kitchen. Or it can be installed, with four chairs, in a special breakfast alcove. However used, the Pulmanook is convenient, comfortable and attractive.



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In Canada: Waterloo, Ontario.

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- Pulmanook, consisting of table and 4 seats folding into wall. For alcove for any kitchen corner.
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- Kitchen Maid Kitchen Cabinet.
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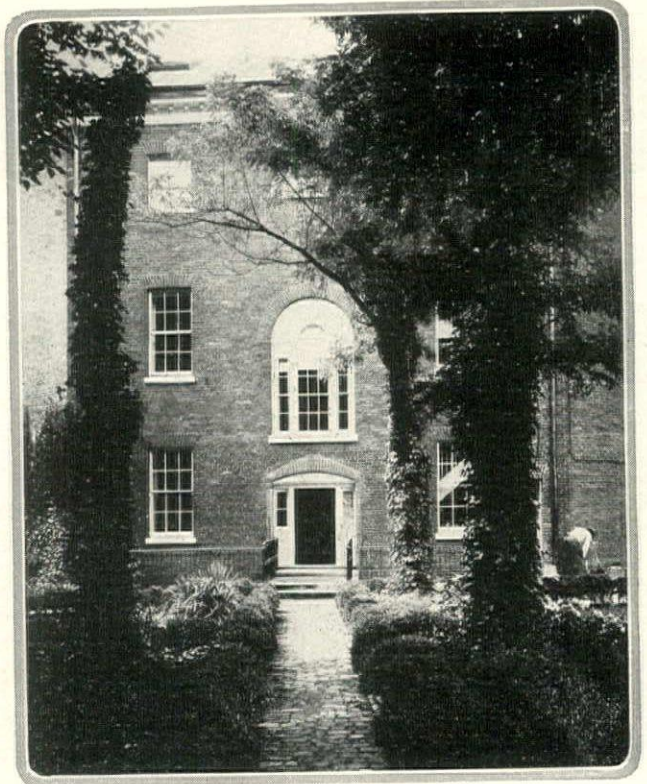
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The Octagon House at Washington is a fortunate instance of salvage. It is the headquarters of the American Institute of Architects

TOWN BETTERMENT

(Continued from page 89)

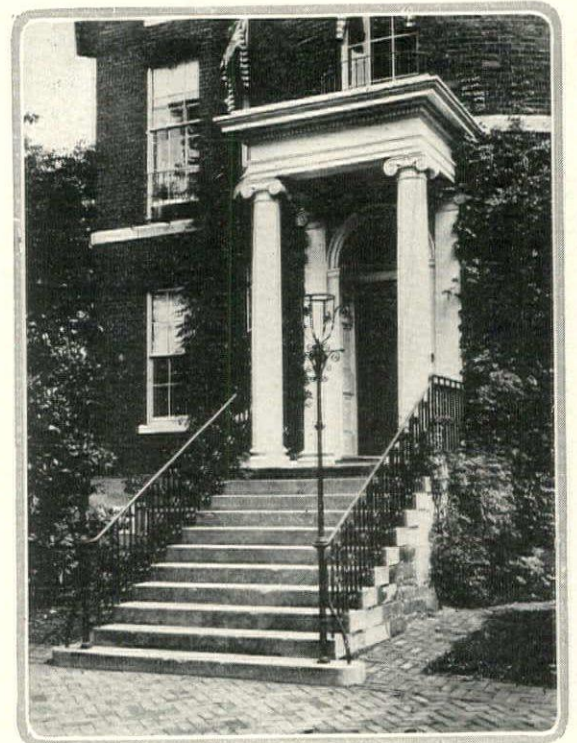
as those in which stirring events took place. The homes and taverns which Washington did not visit should not be considered as of diminished value. Naturally, historic associations engage the interest of the public and when an effort is being made to purchase and endow, sentimental associations make financing an easier matter.

It often happens that an old building has about it a considerable piece of land, with old trees and planting which furnish a highly desirable and

beautiful setting, convertible park enclosures with the planting old and matured. Great trees growing the open are one of the common companions of the old house,—when the combination occurs at best, conservation becomes doubly desirable from the standpoint of town betterment.

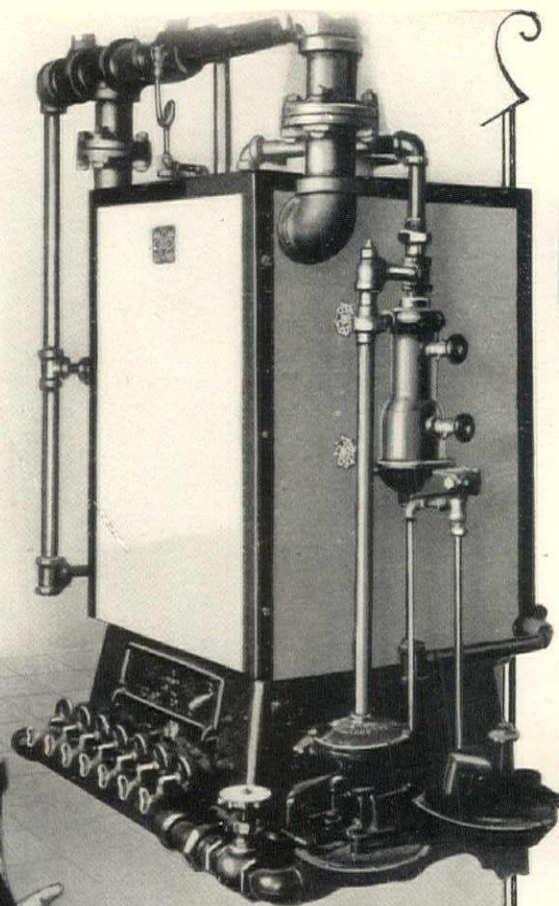
Our various patriotic associations, Sons, Daughters, Dames and the like have done much to secure and

(Continued on page 126)

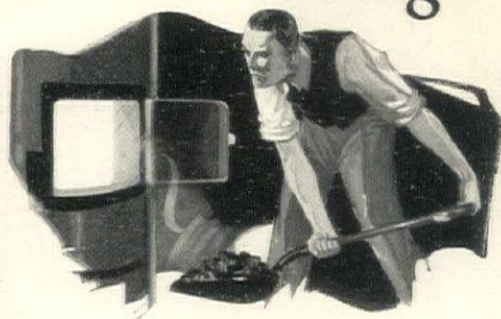


The entrance to the Octagon House is dignified by a classical portico. It has an atmosphere appropriate to its occupants

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In most communities the cost of gas heating is now surprisingly moderate for the wonderful comfort and convenience it affords. Engineering science has created in Bryant Gas Boilers and Warm Air Furnaces, extremely efficient gas burning appliances. This efficiency, coupled with the present day low gas rates of many gas companies, has placed the cost of gas heating easily within reach of most home owners.

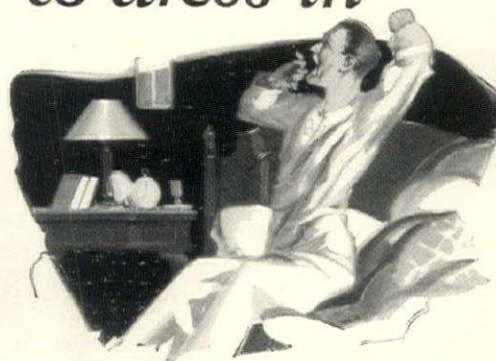
A carefully compiled booklet of gas heating information will be sent gladly to any address. See if there is a Bryant branch office listed in your local 'phone book; if not, write us here at Cleveland.

THE BRYANT HEATER & MFG. COMPANY
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for Sleeping



—and
a warm house
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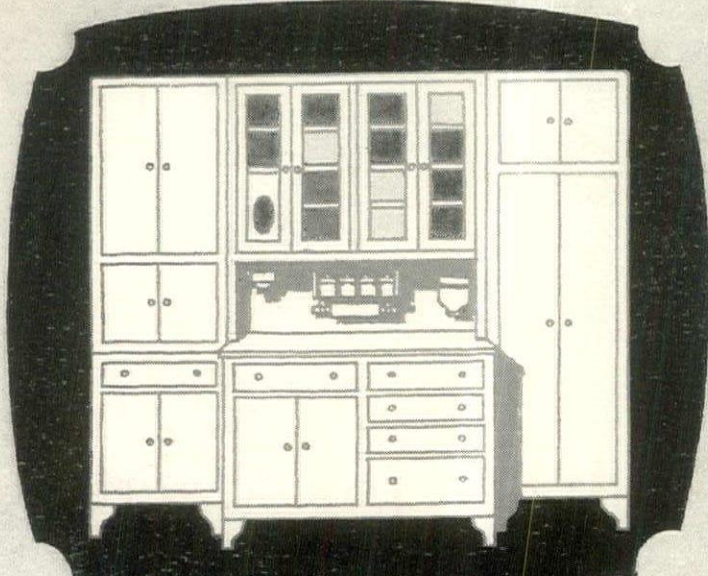
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efficient
durable,
sanitary

THE Home Builder is ever seeking quality and durability. Be assured of both in your kitchen and pantry by using WHITE HOUSE Units, which have beauty distinctly their own, that sets them apart from all other steel construction.

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Booklet sent on request, or we would be glad to make suggestions for the use of WHITE HOUSE Units if you will send us your plans for sketch and estimate. If convenient, a visit to our showroom at the address given below will give you many new ideas.

JANES & KIRTLAND Inc.

Est. 1840

133 West 44th Street, New York

TOWN BETTER MEN

(Continued from page 124)

care of our survivals. Much of this agitation and collection work has been done by women in and out of these organizations.

Before the Civil War, Mt. Vernon was in sad state, falling to pieces and being sought by speculators, when a South Carolina lady, Miss Cunningham, started the preservation agitation and, aided particularly by Edward Everett of Massachusetts, worked for years to carry the project through. In due time, by 1859, the purchase money was in hand and the old building with a considerable piece of land was paid for, put in order, gradually furnished and permanent upkeep provided for. When in Washington for a few days, who would forego the satisfaction of a visit to this old place? Aside from the association with George Washington, the accurate picture of 18th Century plantation life is a highly valuable lesson in social history.

Only lately, at Fredericksburg, Va., when Kenmore mansion was about to be torn down and the site used for bungalow improvements, the women of the town formed an association, planned and carried through the movement which has resulted in the purchase of the old house and the turning of it to a local museum.

"Monticello," Thomas Jefferson's old home is now being collected for. Here the historic and the aesthetic share equally. This old place and its lands would be well worth preserving as a park, even without Jeffersonian tradition. The formation of the Memorial Foundation, and the pub-

licity given the purchase effort made it a national undertaking.

It is hoped that ere long some portion of the millions which go to philanthropic and educational objects may find its way to such organizations as are endeavoring to give visible traces of our formative years.

Our national parks are being promoted and are growing in number. Why may not some of these parks be located along our eastern waterways, and combine the interest of the waterside, and early Colonial life? Many of us know the attractive place, on the Ashley River, back of Charleston. Picture an extension of this idea and, for instance, a waterside parkway down the River, widening out at intervals and taking in such old places as "Amphill," "Wilton," "Berkeley," "Westover," "Berkeley" and "Spartanburg." Grand trees and long matured oaks are found about each of these places. There would ever be much more than house. Many of these old places are constantly changing hands, now and then vacant and but lately cared for. Shifting ownership and vacancy invite dilapidation and ruin.

It is urgent for us of this generation to further and increase conservation activities, both natural and historical. Mountains, streams and woodlands are more hardy than old buildings. The latter are fragile, their existence precarious, and once vanished, can never be replaced.

FREDERICK HOU

MEN in the GARDENER'S CALENDAR

THE portraits this month in the Gardener's Calendar (page 96) are of men whose work along horticultural and botanical lines was fundamental and of unique interest and value to garden enthusiasts of the present day. Their service merits more than passing notice.

To Linnaeus we owe the origin of modern methods of plant and animal nomenclature—an appallingly great subject even when approached from the binomial system which he was the first to employ. His world-wide fame, built largely during the years from 1742 to 1778 when he was at once teacher, student and author, persists today in many different phases of natural history.

Like Linnaeus, Dr. John Hall was a medico with decided botanical leanings. Little of record is left of his work in this direction, but indications of it are found in his *A Poesie in the Forme of a Vision* (1563) from which we quote a quatrain:

*The Harts ease, and the Pacience,
And crimson Pimpernell;
The Cammock, and the Cammomile,
And Caunterbury bell.*

Dr. Hall's literary career commenced and ended with books of poetry, but in the interim he upheld the traditions of his professional calling with various writings. Perhaps his best known work of this character was his *An Historiall Expostulation against the beastlye abusers, both of Chyrurgerie*

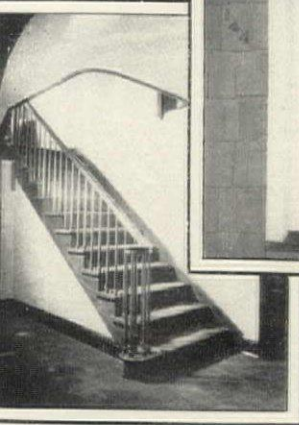
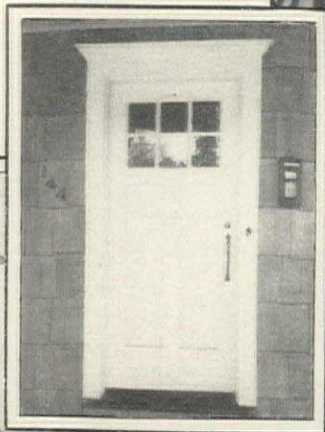
and Physyke, in our time. This was published in 1565, at the end of his translation of Lanfranc's *Chirurgia*.

The third of the worthy students whose portraits appear in this issue, Antoine Laurent de Jussieu, the nephew of three brothers whom rendered notable service to the cause of botany—Antoine de Jussieu, professor, author and collector of plants, and at one time superintendent of the Petit-Trianon gardens; and Pierre de Jussieu, who, among other contributions to horticulture, introduced the Hebe into France.

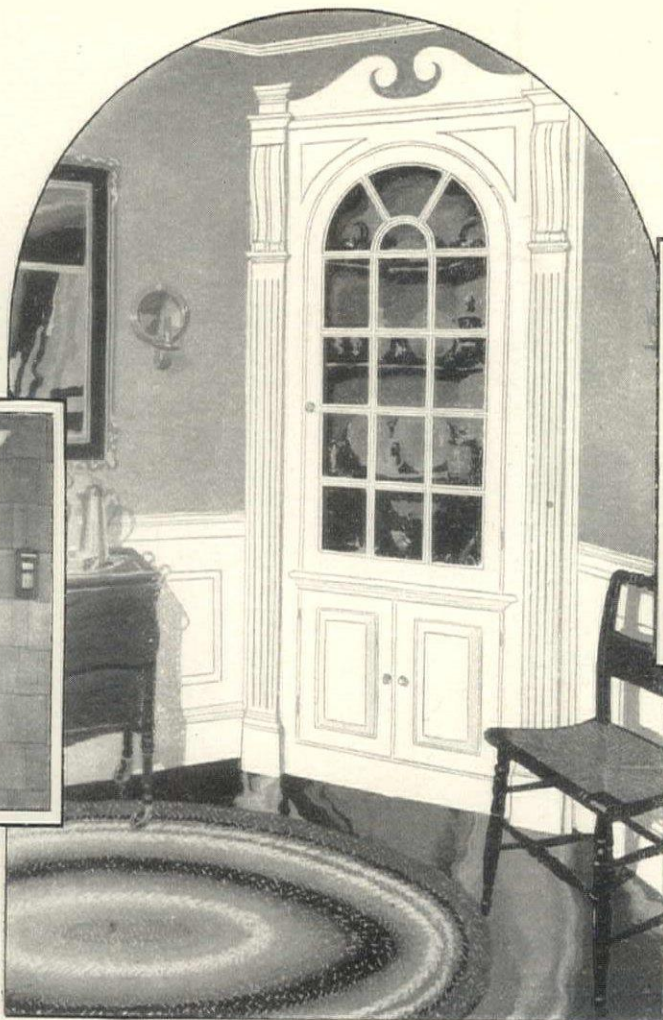
This young man began his botanical studies when only seventeen, in the direction of his uncle Etienne de Jussieu. Four years later he was appointed demonstrator and assistant to the professor of botany in the Jardin des Plantes and immediately began to rearrange the plants in that famous collection. For the ensuing thirty years he tirelessly to develop his own system of what plant classification should be, when his *Genera Plantarum* first appeared in 1789 it firmly established his belief that the natural system was the true basis for botanical classification.

The year 1793 saw de Jussieu appointed as professor of botany in the new Jardin des Plantes, where his teaching activities continued until 1826, blindness obliged him to relinquish his post to his son. During this period he founded a library of the museum, which is now one of the best in Europe.

A beautifully proportioned entrance door for the small house, with enough glass area to make a light vestibule or hall. Curtis entrance C-119; Door 237.



The grace of this stair (C-900) is due to small balusters and newel post. Yet Curtis stair parts allow construction methods which make a balustrade of exceptional sturdiness.



A mantel that has refinement without being ornate, for the house with either painted or stained woodwork, for fireplace opening 3' 11" wide; height of shelf 4' 4 1/2". Design C-617.

CHINA CLOSET C-700 by Curtis

A most appropriate design for the Colonial dining room. Overall size of case 8' 1" high; 3' 8 1/2" wide; counter line 2' 4" high.

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FURNITURE, rugs and curtains come and go, but the woodwork stays. It cannot be moved about or discarded. It is the foundation and keynote for all decorative effects.

The walls, floors and ceilings are the background. By themselves, they are bare, blank, dead. But finish them with tastefully molded "trim"; fill the openings with inviting doors and interesting windows; thoughtfully place here and there a few pieces of impressive, dignified, built-in furniture, and you have gone a long way toward building a beautiful interior.

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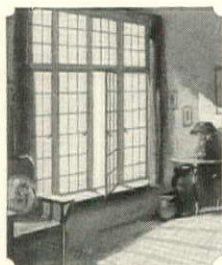
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tells how much illness can be prevented by

S L E E P

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in bed



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Tiles in Dull Green.*

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ALMOST every European city abounds with structures which have been protected for centuries by their original roofs of tiles. With complete indifference to sun, wind and rain, these quaint old tiles retain their beauty and permanency unimpaired.

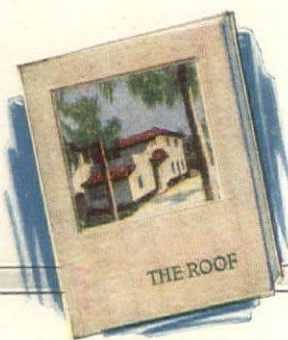
No other roofing material can approach IMPERIAL Roofing Tiles in their ability to ward off weather without wear. The everlasting qualities of these tiles make them the most economical roof you can choose.

Numerous beautiful color plates of distinctive tile-roofed residences are contained in this elaborate brochure, "The Roof." It may give you many helpful ideas for that home you plan to build. Sent for 25c in coin or stamps to cover postage and handling. Address Ludowici-Celadon Co., Room 1120, 104 South Michigan Avenue, Chicago.

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FOR the modern home steel windows offer permanent beauty and utmost utility. With Fenestra Casement Windows your basement will have 80% more light than from wood windows of the same size.

Fenestra Garage Windows make working in a garage safer and easier, for an easily operated ventilator lets gases escape properly. Like Fenestra Casements, all these better windows are ruggedly made of steel.

With all their advantages Fenestra Steel Windows cost no more than ordinary windows.

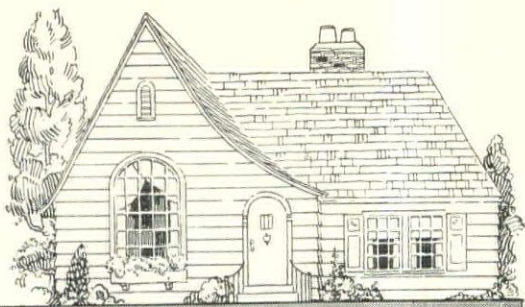
HOWEVER simple or luxurious the home interior, Fenestra Casement Windows blend with the surroundings in graceful friendliness. Their small, sparkling panes and slender muntins add a flavor of romance to every room.

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Why WESTERN RED CEDAR IS THE OUTSIDE WOOD

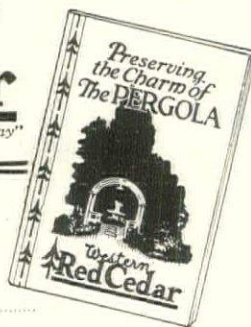
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2. It will not shrink, warp nor twist; it "stays put."
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5. Its soft, smooth texture and fine, even grain lend it marked beauty of appearance.

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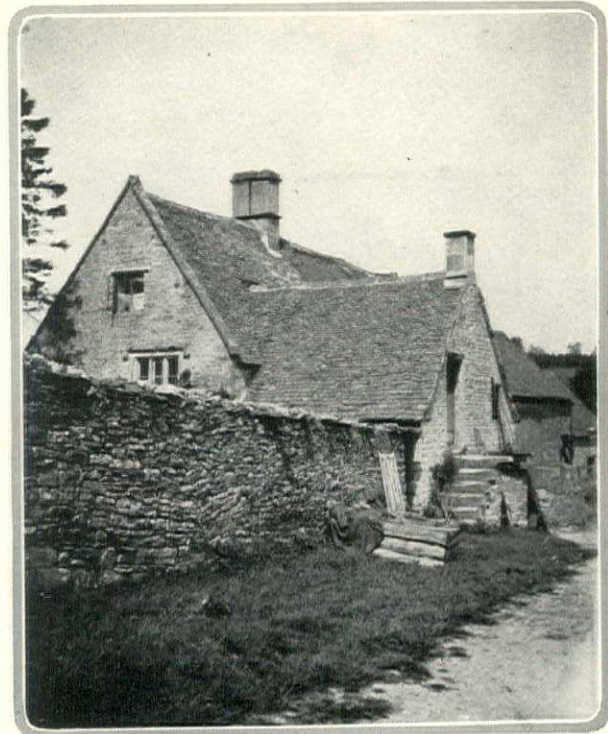
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Red Cedar Lumber Manufacturers' Assn.,
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Please send me, without obligation, a copy of your booklet, "Preserving the Charm of the Pergola."

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 Number and Street.....
 City..... State.....



The architecture of the Cotswold district in England is a thing of flowing, picturesque roof lines, splendid stonework, and a quality of settled snugness into the landscape. From the Mellor, Meigs & Howe collection

WHENCE SMALL HOUSES COME

(Continued from page 59)

sources of material—Normandy, Flanders, the Cotswolds, the Mediterranean—were just children of the soil, with no thought that their native charm would some day set them up as styles to be followed from Maine to California, regardless of the conditions which originally created them.

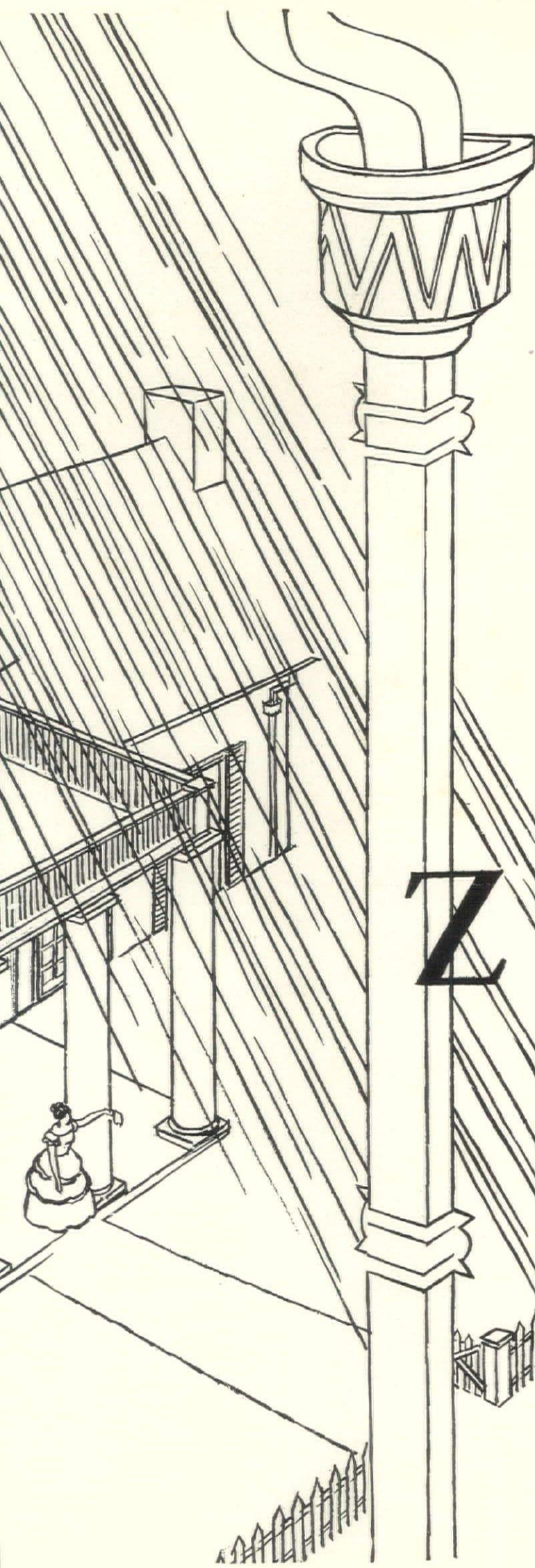
The development of the Georgian small houses, on the other hand, was stimulated by a very cultured, artistic perception of what could be done with the architecture of another previous superb period. Yet all—the Georgian and those other small houses—were alike in that each was *authentic*. Each was the first flowering of its seed, the fresh and unadulterated strain. Which brings us to the point of this whole discussion: that until we have developed an authentic "style" of our own period, until we are forced by the circumstances of existence into building our own small houses by modern methods, of, say, such "modern" materials as steel and glass and concrete, our best course must be to preserve the traditions of the past.

The few original models shown here have set the fashion for a great many of the small houses being built today. Early American houses have set the fashion for the rest; the latter forming a tradition quite as splendid for us as the European one, and one that is much easier to follow because the evidence of it is so close at hand. But the small houses of the Colonial times and of the young Republic are another story, even though the reasons are the same why *their* traditions should also be preserved.

Now, if these small houses from England and France especially, and from other parts of Western and Northern Europe only in less degree,

have given us the styles for so of our small house architecture seems a pity that we should enjoy a very faint fragrance of them—build our small houses too often out consulting the originals—much like painting from a picture instead of from real life, as painted from a picture that has in turn painted from still another picture so on indefinitely, until all the splendor of the original has been lost in the process. There can be no doubt that many of our present small houses are travesties. They attempt something of which they have the slightest conception. Though it is not to say that styles should not be altered at will, if the altering is done with skill and sympathy. The question to keep is the essential spirit of the houses that formed the style in which we want to build. As long as we are depending upon the originals for the style they created and which we are fortunate enough to be able to use, we should consult them as nearly as possible at first hand. When we want to build a Georgian small house in something in the fashion of a Cotswold manoir, or a cottage in a Cotswold manner, let us look first, all, hard and long, at the originals. If we have chosen a particular style because of a certain fondness for its particular charm, a close acquaintance with its fine originals will only turn our fondness into a real affection but will give us a clearer sense of the spirit in which it was conceived. If we are aware of this vital force in our own home, regardless of its adaptation that must be made to fit into a different scheme of existence, it will contain the glow of its tradition.

(Continued on page 132)



The growing use of Horse Head Zinc for conductor pipes, gutters and roofing is recognition of the economy of permanent construction.

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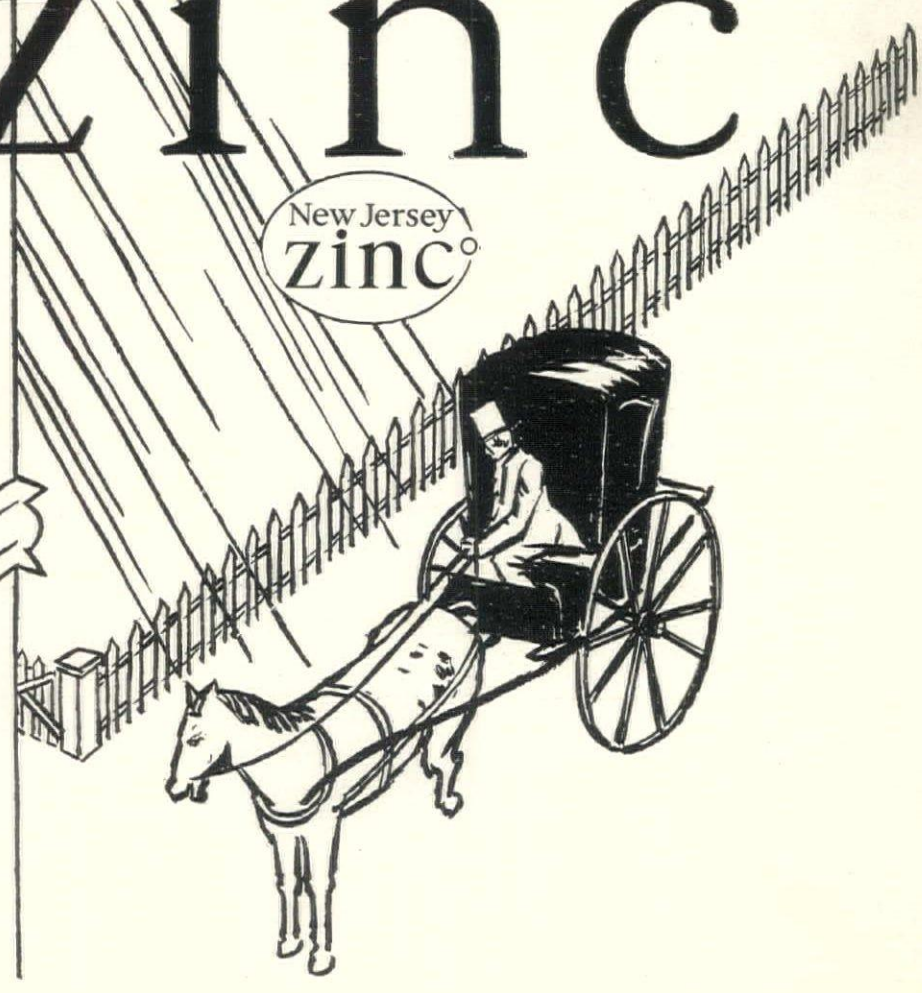
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Even in coldest weather you can sit beside a Monarch-stripped window, securely protected against dangerous draughts . . . soot . . . dust . . . dirt. Just enough air for proper ventilation, can get past a Monarch-stripped window.

No Excess Air to Heat

- no dangerous draughts to fear
- no sooty, dusty, dirt-laden air to worry about

With Monarch Interlocking Metal Weather Strips on Your Windows

The real job of your weather strips is to keep out the excess air that's constantly filtering in past your loose windows.

It's this inleaking air that shoots your fuel costs up! It's this inleaking air that creates dangerous draughts thruout your house! It's this inleaking air that soils your rugs, drapes and furniture!

And only tubular, two-member, interlocking metal weather strips can keep it out!

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Two tubular, interlocking members—one within the other—form a protecting bridge across

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This tubular, two-member, interlocking construction is an exclusive Monarch feature, fully protected by patents. No other weather strip manufacturer can use it. And without it, no weather strip can provide adequate protection against inleaking air.

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 Manufacturers of Monarch Metal Weather Strips for
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Booklet FREE—Mail Coupon

Monarch Metal Products Company,
 4920 Penrose Street, St. Louis, Mo.
 Please send me your free booklet and estimate for weather-stripping
 windows and doors.

Name
 Street
 City State



Half timber work was wonderfully developed in France and Germany, but it flowered to perfection in England, where it is seen here in an excellent example of this much abused manner

WHENCE SMALL HOUSES COME

(Continued from page 130)

This glow, then, is more important than are the practical matters that attend the building of the modern small house. We build differently now, in many respects, than in the time of these originals, our choice of materials is infinitely larger. It is unnecessary to force the issue by using the antique methods of building or by

going to great lengths to duplicate the materials. That is the muse's idea. If we are fond enough of familiar enough with the originals cannot wander far away from spirit they express by building naturally in the terms of our locality our times. The tradition is the thing let us keep it from decaying.

HOW IS YOUR GARDEN SOIL

(Continued from page 91)

The trouble with it is that it is not generally as rich in food value as it looks. As a rule it is improved by admixture of both the sand and clay types to give it physical substance and chemical worth. Carrying on the nutritimentary figure of speech, one might liken pure leaf-mold to whipped cream which provides its consumer with considerably greater mileage when used as a condiment for oatmeal than when absorbed by itself.

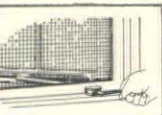
All things considered, the ideal soil for nine plants out of ten is compounded of all three of the foregoing extremes—sand, clay and humus. It should be light or "friable" enough to dig and cultivate easily, possess sufficient body so that it does not grow powder-dry under a few hours' sunlight, contain and retain plenty of plant food, and not be so heavy or mucky that it bakes out hard in dry weather or forms thick clods when wet. A glance at the drawing in the center of page 91 will help you visualize its consistency; it is the panel at the right, following the sand, clay and humus delineations.

Garden soils as a rule are likely to suffer from too little rather than too much humus, so that the problem comes one of adding this needed material sometimes in considerable quantity. One of the most satisfactory ways of accomplishing such an end is to incorporate rotted or rotting plant matter with the soil—dead leaf-moss, grass clippings, actual leaf-mold, "commercial humus," or, best of all, old stable or barnyard manure which is mixed a good proportion with straw or leaf bedding. If such material be spread evenly over the surface in the fall, dug under with a spading fork and allowed to disintegrate through the winter, spring will find it in condition to do its best.

One more thought to close this necessarily brief résumé: Look upon the soil in your garden as a dining table at which many guests sit down for a hearty meal. You do not need to be a lusty trencherman yourself to appreciate the hospitality of good food served right and enjoyed at a pleasant table from comfortable, substantial chairs.



THE POPULAR WINDOWS ARE NOW CASEMENTS



Win-Dor Standard Operators

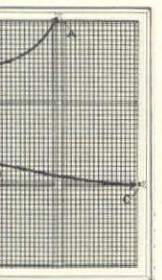
A slight downward pressure on the handle releases the automatic catch and permits swinging the case to the right or left. Handles are attached or permanently attached, as desired.



Flushtype Operator

The deluxe solution of the screen problem and most desirable with metal screens.

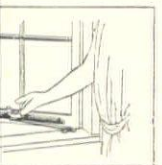
Flush Operator works on the same simple, effective principle as the sur-type, shown above, but it is countersunk flush with the window stool, thus eliminating the cutting of the metal frame. This permits the use of metal frame screens without filler-strips and requires no hardware protruding inside the screen.



Win-Dor Screen Fasteners

A rigid clip (A) is attached to two screws to the surface of the top of the window frame as shown in the illustration at the left. Two screws are inserted in the sides of the frame, about a third of the way up from the sill. The pull clips (C) are then attached to side members of the screen frame by means of small screws, at a distance from the edge of the screen frame equal to the width of the window frame, when the rigid clip is inserted. The rigid clip then acts as a spring clip, pulling the window frame over the edge of the screen, and the groove in the window frame acts as a spring clip, pulling the window frame over the window screws. To insert the screen, simply slide the top of the rigid top clip and the screen into position by pressing the side frame screw

into the window frame screws which are slightly unscrewed, to compensate for shrinkage or wear.



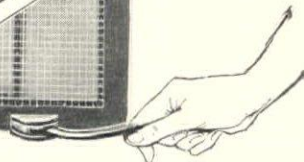
Win-Dor Stays

Use where screws are not necessary. Operate the Win-Dor simply by lifting slightly on the stay lift. This releases the automatic catch and allows the window to be swung to any desired position without using both hands. There it is held firm and catches, which operate automatically when the stay lift is released.

SCREENED THIS WAY



OPERATED THIS WAY



Have "Win-Dor" Convenience with your Wood or Metal Casements

NOTHING has done more to make casement windows the popular windows of today than "Win-Dor" operators. They have added perfect convenience to the superior beauty of casements over old-fashioned double-hung sash. A quick, easy move of your hand—and your casement is opened or shut—without opening the screen.

Now you can have Win-Dor convenience with the popular metal casements as well as wood. Any casement but friction-hinged casements may be easily equipped [on new work] with Win-Dor operators. Leading metal casement manufacturers are glad to furnish Win-Dor equipment when specified.

Picture the charming casements in your home; you wish more ventilation or less; step to the window and insert the little handle that hangs handy on the frame behind the drapes. A slight downward pressure and short, easy swing of the handle to the right or left releases the automatic lock—and your casement is swung to the position you desire and relocked securely there. Or if you wish, the handles may be permanently attached when the operators are installed.

Here is perfect convenience—the comfort and charm of casements that has popularized their use.

And now "Casement Hardware Headquarters" has added another touch of practical convenience to casements—"Win-Dor" Screen Fasteners. Attractive, simple little fasteners that hold screens better, cost much less than hinge screen hardware, and act as removing lifts as well, when screens are moved for washing windows. They are described in the column at the left.

* * * *

Casement windows are what "everybody's having" nowadays, and as you can see there are several things you should know about them before you plan your windows. To assist you we will gladly mail you a copy of our now famous little book, "Things You Ought to Know About Casement Windows"—formerly sold, but now free to you on request for Win-Dor literature. The coupon here will bring you this valuable book of information.

Clip it and use it at once so that you may have this help in time to use it.

The Casement Hardware Co.
220 Pelouze Bldg. Chicago, Ill.
"Casement Hardware Headquarters for Twenty Years"



THIS BOOK
WILL HELP
YOU PLAN
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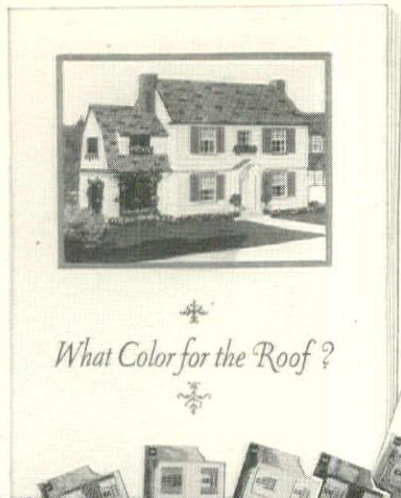
Casement Hardware Co., 220 Pelouze Bldg., Chicago
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Win-Dor

CASEMENT HARDWARE

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Address _____



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—for this month only



108 color schemes for your home

See them in actual colors—in advance—beautiful combinations of roof, walls and trim

BEFORE you build or re-roof be sure to get the new Richardson Booklet, "What Color for the Roof?" Also the Richardson Harmonizer. Booklet contains page after page of beautiful colored illustrations, showing interesting homes and attractive roof effects. Harmonizer enables you to *see in advance* 108 color combinations of roof and body of house. You can choose a charming color scheme for *your* particular home with perfect certainty. Avoid mistakes. Consult the Richardson Booklet and Harmonizer before selecting your roof. Offered free for this month only. Send for both—now.

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WIRING FOR RADIO

ETHEL R. PEYSER

FUNDAMENTALLY, wiring for radio is governed by the same principles as any other kind of wiring, but of course there are special cases to be considered.

There are two distinct methods of running a radio set. One is by plugging-in to your electric circuit, the other by a system of batteries alone. If you have alternating current (AC) you can, at present, have a battery eliminator and thereby do away with the batteries as current furnishers. In this case you must tell the radio dealer what section of the country you live in, so that he will know the cycles of the current. As yet there is no satisfactory device to eliminate batteries if you have direct current (DC).

Broadcast signals may be received by the use of the loop or the outside antennae. This depends upon the type of set and whether distant or local stations are desired. With the loop set you need no external wires except those leading from the set to the loud speaker or loud speakers. In these cases, the wires must be properly insulated and firmly connected. With the antennae there is, of course, much careful wiring to be done. In placing the outside antennae, you must know the direction of the chief radio stations from which you wish to receive, for if they happen to lie north and south you will not get as good reception if your antennae lies east and west. Therefore, the flat top wire, the one strung from pole to pole, should be strung from north to south and be made of copper wire insulated at the points of support. The lead (pronounced lead) wire connecting the antennae to the radio set itself should be of stranded wire, and as it is led down from the roof to the radio set it should be well insulated from the side of the house for highest efficiency, for the reason that metal in buildings tends to absorb electrical energy and thus mar radio reception. Furthermore, it is important that the antennae should be run at considerable distance from all metal objects. The supports of the antennae must be well placed with effective insulation at every point of support.

LIGHTNING ARRESTERS

A lightning arrester is a wise precaution. Thus equipped, the antennae itself serves as a lightning protector. We doubt if there have been more than one or two fires ascribable to radio installation. Take no chances, however.

When employing the antennae the subject of grounding to complete the circuit is varied and capricious. It is sometimes better to have an outside grounding connected with the water pipe than one leading to the radiator inside. In rainy weather the reception may be poorer than in fine weather. This is sometimes due to poor insulation in lead and in antennae circuit, so look to the wires and see what has happened. Sometimes, however, the reception is better in rainy weather. In this case, look to the wires and

search out a better grounding terminal.

In order to have dinner music, every music (!) and kitchen program the wiring for radio can be so arranged that there is any number of loud speakers at various distances the home. Also, it can be so arranged with jacks or switches that one or number can be cut out. Remote control is very popular, even when there is but one loud speaker, for it seems to be the fashion to lose the realization of the physical existence of the set while listening to the mysterious emission of the program from apparently nowhere at all.

In the newer houses, as in the case of one that we know, the wires for this remote control are placed between the walls. (This may not be feasible in a steel constructed house). In the same house a disk-like loud speaker is in the wall and supplies with radio programs to the two rooms which a wall separates. This is a great economy and makes a rather lovely effect, for these disks are beautifully bronzed or may blend with the surrounding furnishings. Wherever wires can be concealed it is of course more comfortable and more sightly and as the radio engineers delve into the problems of radio the more ship-shape are the installations becoming.

AVOIDING STRANGE NOISES

What is often ascribed to the poor over-worked static is often due to poor electrical connections; (2) inferior electrical devices being used at the same time the plugged-in circuit radio set is being used; (3) out-of-tune electrical disturbances set up by electric motors, power houses, etc.; inexact tuning in. It is wise to disconnect the antennae when trouble occurs and if the noises or what it may be continue, then you know that they are due to outside causes and not to the set. Never pull your set apart and then call in the radio service man. Call the "doctor" first to tell him what has been the trouble.

Due entirely sometimes to the placement of the loud speaker and not to the wiring of the set, peculiar noises are heard. This may sometimes be obviated by placing the loud speaker away from and not on top of the radio set. However, if it is absolutely necessary to set it on the radio cabinet place under the loud speaker a pad of sponge rubber or felt. This vibration is often set up because the tones are not sufficiently cushioned.

This is but the most meager introduction to the subject of wiring for radio, for the space given is limited and the subject vast and thrilling. Again we urge you to go to the best dealer who must know all the wiring and installing problems, follow his advice and learn the eccentricities of your own set, for every mechanical device is human enough to have variations of temperament. The unwritten rules and the electric code are always in back of every electrical installation and, as the radio is electrical you have nought to fear.



A marvelous range that changes the principle of cooking.

Plan now to cook with the gas turned off!

The woman who is planning a new home should give more careful thought than ever before to her kitchen.

A marvelous new development in modern cookery makes this imperative. Now, at much lower operating cost, it is possible to improve the quality of your food and bring more golden hours of leisure if you do your own work.

If you are fortunate enough to have a maid, you will find that this wonderful new invention makes good servants easier to keep.

A range that pays for itself in less than a year

The Chambers Fireless Range is one of the greatest labor and money saving devices that has ever been brought to the kitchen. It is the biggest single forward step in forty years toward taking the drudgery and waste out of the kitchen.

Not only does it bring vast economies over all previous cooking methods, but it releases women from kitchen slavery while the meal is being cooked.

In the average home the Chambers Range cuts the gas bill right in half. This is true because the Chambers insulated oven and the Thermodome, exclusive

Chambers features, make it possible literally to cook with the gas turned off.

But gas, after all, is only a small part of the saving which this wonderful range effects. Scientific cooking tests prove beyond a doubt that this range will pay for itself in the food shrinkage which it prevents.

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OUT OF THE KITCHEN
COOLER KITCHENS
MORE AND BETTER FOOD
SMALLER GAS BILLS
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Chambers FIRELESS Gas Range

Every housewife should have this instructive book

Whether you are considering the purchase of a new range now or not, you should have our big, free book: *Cook With the Gas Turned Off*. It contains much new information that every woman needs who is interested in modernizing her home. For those who are planning a new home, it gives sizes and detailed specifications so that you can plan your kitchen intelligently.

Don't wait another day. Mail the coupon now, telling us how much you pay for gas every month; how many full meals you serve a week and we will tell you how much money and time a Chambers Range will save for you.

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Without obligation on my part, please tell me how much money I can save with a Chambers Range.

My gas bill is.....a month. I serve.....full meals a week.

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Cook with the gas turned off!

"They Are Very Good Looking"

TAPERED Ambler Asbestos Shingles

Specify
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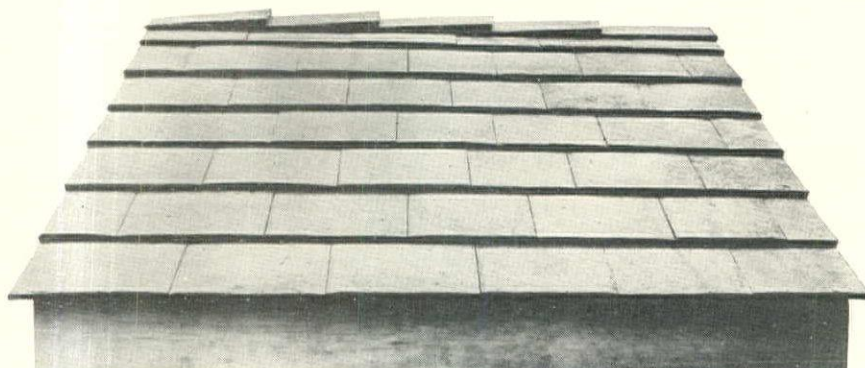
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They Are as Good as They Are Good Looking

TAPERED Ambler Asbestos Shingles

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Specify
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Roof Illustrating Smooth Type

These two types of fireproof tapered AMBLER ASBESTOS Shingles are "the last word" in Ambler Asbestos Shingles or roofing Slates—are tapered from $\frac{1}{8}$ "

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Carloads are shipped by the Penna. R. R. Less than carloads by the P. & R. R. R.

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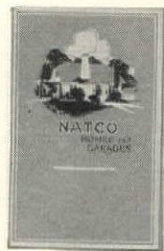
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NOTHING is more pathetic than the grisly skeleton of a home destroyed by fire. All the intimate, happy things cherished for their sweet associations reduced to little heaps of smouldering ashes. Insurance can never cover that.

Prevent the fire. Build the walls of your home of material that *can't* burn. Natco Hollow Tile Construction costs very little, if any, more than wood. And it is not only Permanent but also comfortable and economical.



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"The Wood Eternal"



For Beautiful Homes of Enduring Worth

Whether you are planning a mansion, a cottage, or to remodel an existing home, you can *avert costly repairs* by using "the Wood Eternal" for foundation sills, siding, cornices, porches, steps, sash, doors and all exterior trim; for pergolas, fences and all woodwork exposed to the ravages of time and weather.

Impervious to the rot-inducing agencies of heat, moisture, bacteria, fungus growths and contact with the soil, because of the natural preservative grown into the wood, "Tidewater" Cypress *enhances property values* by stopping depreciation at the source.

And, its beautiful grain, ease of working, resistance to all tendency to warp or shrink when properly dried, combined with its ability to take and hold all finishes, recommends "Tidewater" Cypress for interior millwork of enduring beauty at a comparatively moderate cost.

Yes, it pays to build right—in the first place. Well worth while to look into the merits of "the Wood Eternal" before buying material for structural purposes. We will gladly assist you with authentic information; also regarding Tupelo, the hard-wear, long-life and economical flooring.

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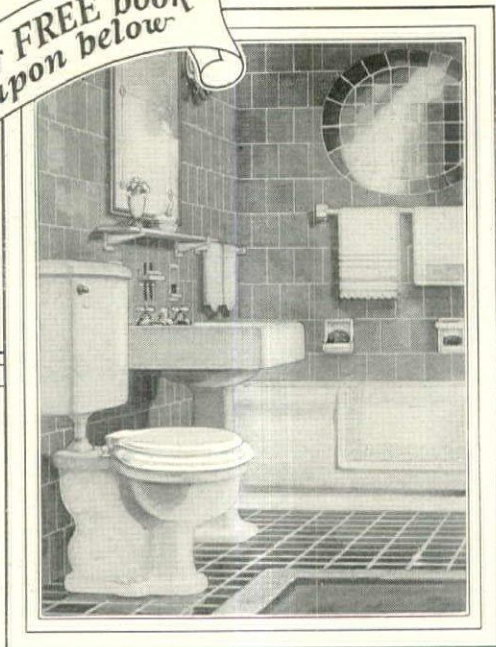
Identify genuine "Tidewater" Cypress by the Arrow Trade-mark, on every board and bundle. Only the true "Wood Eternal" can give such lasting service.

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"Tidewater" Cypress used for all exterior woodwork of the magnificent manor house (above) and the beautiful cottage (below), including cornices, dormers, door and window frames, shutters, porches and trim. Mr. Arthur T. Remick, Architect, New York City.

Send for FREE book
see coupon below



"Guests envy my bathroom ...and I am proud of it!"

"WHEN my husband began to climb in the business world, the doors of a far more interesting social life opened to us. My dreams of entertaining important guests came true. We felt as if we were blossoming out, and that meant making our little home blossom out, too, so that it could help us put our best foot forward.

"The bathroom was my greatest problem. I shook my head over it many a time and wished we could afford to make it entirely over. Yet the final solution made all the difference in the world and cost only a small amount.

"We replaced the old, dark-colored toilet seat with a handsome, new, all-white Church Toilet Seat. Now you'd hardly know the room. It always was immaculate, for that matter, but now it *looks* so. More than one guest has said, 'What a lovely bathroom!'"

The handsome white surface of the Church Seat is a thick, ivory-like sheathing. It never has to be painted or refinished. It is permanent. Easy to clean as porcelain. Perfectly sanitary. Fits any toilet. You can install it yourself in a few minutes. Obtainable at any plumbers.

Send for "An Easy Way to Make A Bathroom More Attractive"

THIS is the title of an attractively illustrated little book of sixteen pages, just off the press, that tells the story of the interesting way in which one woman discovered how to make her bathroom more attractive. If you have sometimes wished that your own bathroom looked a little more attractive, this book will certainly be of value to you, and it is FREE. Send for a copy, together with a free sample of Sani-white Sheathing. Tear out the coupon now and mail it to-day. C. F. Church Mfg. Co., Dept. A7, Holyoke, Mass.

Church Sani-white Seats

LOOK FOR THIS NAME ON UNDER-SIDE OF SEAT,
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With no obligation on my part, please send a free copy of your book, "An Easy Way to Make a Bathroom More Attractive", and a free sample of Sani-white Sheathing to:

Name

Street

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

THE PRIMROSE AND HER COUSIN

(Continued from page 104)

With all these plants it is important that they shall be kept growing strongly throughout the open season. This means constant and generous watering in dry weather. The more lush green foliage we can induce the more certain and splendid will be our reward in the spring. As I have said the thin liquid manure is their delight. But failing this just water will do. Polyanthus Primroses grow well and thrive in borders among other plants; Cowslips, too, may there be made comfortable, but Primroses and Oxlips do not like the motley crew of the herbaceous borders, nor the drought that is liable to prevail there. They are for nicely chosen places, for moist shaded banks, for secluded nooks in dampness, for meandering pathsides in shade, for the rock gar-

den. The latter region is a safe haven for all these charming plants of the spring. There it is easy enough to provide deposits of the rich and holding soil they so love, and the drainage is sure while the long roots may thrust down and find the way beneath the rocks to certain supplies of moisture.

It is still rare today to meet a Primrose enthusiast in this country. There is not now the lamentable unawareness of these flowers that once existed. A wholesome curiosity evinced in many directions; trials being essayed, successes delighted. One is able to descry the faint outline of a Primrose Path stretching away into the future. This is destined without doubt, to become a popular and joyous highway.

SHOULD WE RENT OR BUY

HARLAND H. ALLEN

SOCIAL workers tell us that home ownership is good for family life. Politicians and statesmen are sure that it makes for better citizenship. Chambers of commerce and other civic organizations are united in declaring that it is more economical. Banks, credit associations and business houses in general concede that the home owner is entitled to preference as a credit risk. In the face of all this it is a fact not easy to explain that approximately 54 out of every 100 families in the United States continue to live in rented homes.

Whether or not it is best to own your home or to rent it may safely be rated as one of the leading questions of our day. Practically all of the outward agitation is in favor of the ownership idea. Yet if the "silent vote" continues always in favor of the rented home, there must be some pretty deep seated reasons for making them behave that way.

The case for renting is not formulated as often as the case for home ownership. In fact, few people ever put it into words. Renting is the line of least resistance, and that no doubt accounts for a considerable share of the tenant householding. People are obliged to have shelter, yet for the great majority to own the roof over their heads requires definite planning and saving, while anyone with furniture as security, or a few dollars to deposit as rent, can hire some rooms of a landlord.

But the renter isn't necessarily a negative or a shiftless person. In fact there is very much to be said in favor of renting, under some circumstances, and quite frequently conditions are such that it is almost impossible to do otherwise. Whenever it is important to live in the heart of a great city, there is almost no other alternative to renting. The man of average means can't buy an apartment house, and building sites are valued so high that it is impossible to even think of erecting a one-family home in such regions.

Then, too, there are many positive advantages to apartment house renting, which are not available to the home owner. There is less work in keeping up one's quarters in an apartment house than in being responsible for the lawn, garden and house interior that goes with a home of your own. This point is more important than it used to be when domestic help was easy to secure, and when the women of the home had no other plan in life than to "housekeep" from dawn to sun.

Unquestionably also the renter has freedom of movement which the home owner does not possess. It frequently makes him a better bargainer for employment, whether as a laborer, or the hired manager of a large enterprise. It has been almost universally assumed that the man who owns his house has a better hold on his job. Undoubtedly he has, but the job has a better hold on him. While one employer may appreciate a man's stability, when he settles down and buys a home, another may value him too much for granted, and give salary increases and promotions in other directions in order to hold his fellows who aren't tied to a large investment.

The renter is not only freer in search of employment, but his handicap is less of a handicap if he wants to travel, or wishes, for instance, to move to a university community in order to educate the children.

Another fact which tends to make people in rented houses is the risk rather the risks, of home ownership. Fire is one of these hazards. While all careful people insure their homes, there is always 20 percent more of the value which is not covered and would be a loss to the owner if his house burned down. Perhaps even a greater risk than fire is the depreciation in value. An apparent "good buy" this year at \$20,000 will be hard to sell ten years from now.

(Continued on page 140)

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ONE feature of International Casement Windows that is highly appreciated by home owners is the ease with which they are opened and closed. Their metal to metal construction makes it impossible for them to stick, nor can they warp, sag or spring out of shape.

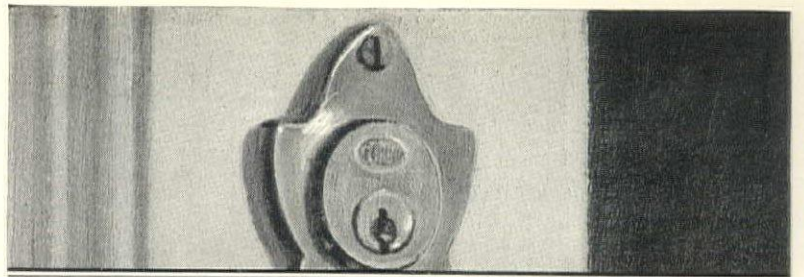
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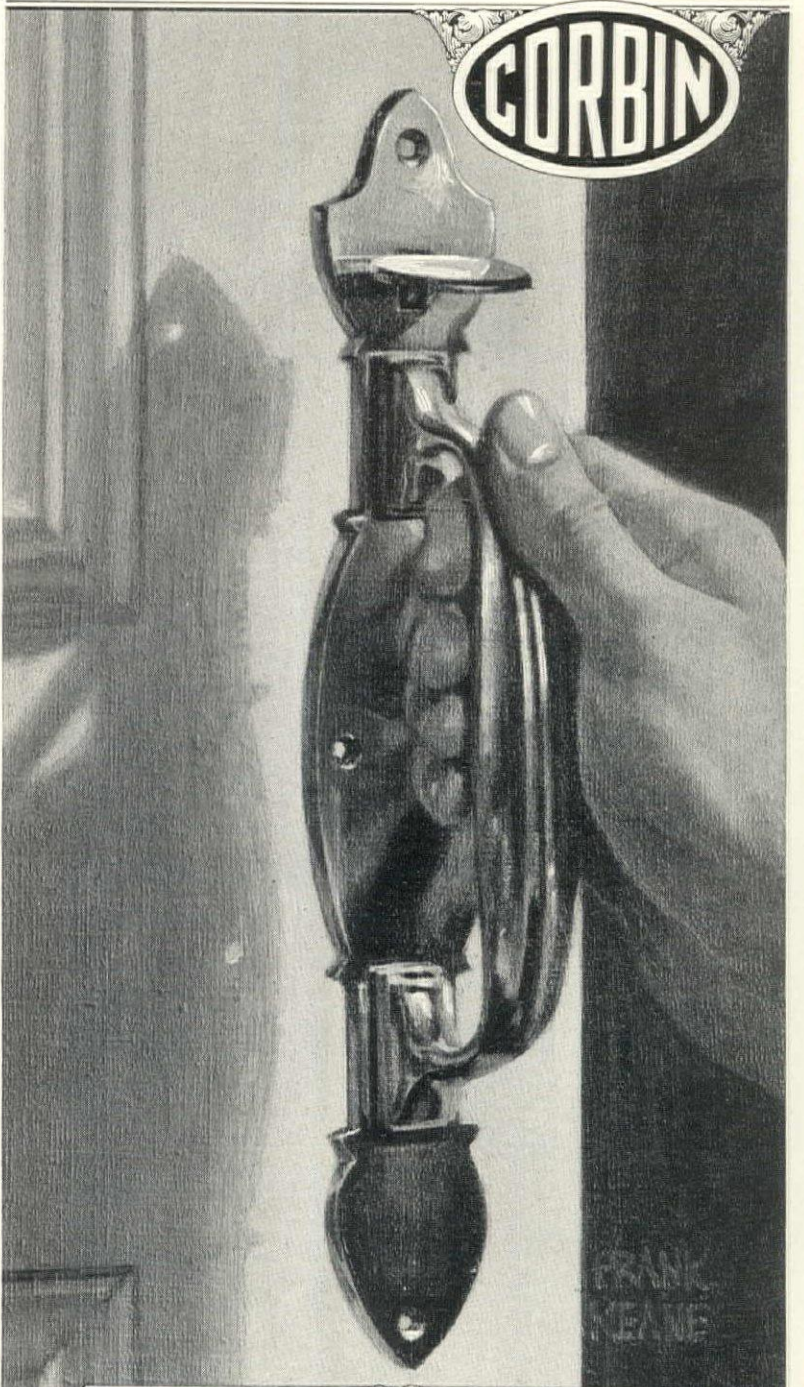
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SHOULD WE RENT OR BUY

(Continued from page 138)

half that figure. And this may be entirely due to a shifting of values within a city, or to a general depression and dull demand. Most of the talk about owning realty is on the side of possible profits, but doubtless a good deal of the thought is concerned with possible losses, which explains why more don't buy.

The average householder, too, feels that he is more capable of judging what is a fair rental than a fair purchase price. Moreover, he has less to lose if he misjudges. Also the fear for a safe outcome of negotiations with a too-optimistic real estate dealer no doubt deters many a family whose head is not expert in business affairs.

Finally, among the purely personal reasons for renting, is the fact that this solution makes it easier to adjust housing costs to changes in income, or changes in the size of the family. Newly-weds will ordinarily find a ten room house a burden, even if they can afford to pay for it. A few years later the size of the family may demand that much room. And again, when the children are grown and married there will be more room than they need, and perhaps more than they ought to afford. Unquestionably renting solves the problem of adjusting the cost of housing to needs and income better than ownership ever can.

THE CASE FOR HOME OWNERSHIP

But even if the contention is made that it is "just as cheap to rent as to own," the advocates of home-ownership will assure you that you don't get the same thing for your money. It isn't, so they declare, just a problem of whether to rent or buy the roof over your head, but whether to own a home or rent a house.

To the unbiased observer, this distinction is hardly as great as that, still it must be admitted that one of the prime reasons for home ownership is the general satisfaction which goes with it. The property right to almost anything enhances our estimation of it. And this is true in a deeper, more significant sense for the place in which we live. And home ownership not only gives this satisfaction to the parents, but it has a great educative value for the children. There are no statistics to prove it, but the conviction is pretty general that children who have been raised in their own home have a much better developed sense of property rights. In other words, there is a deep cultural value to home ownership. It is assumed, too, that such people are more contented with life, less critical of others, because less often called upon to blame others for their lack of comforts. It is claimed, but also disputed, that home ownership raises the standard of living. Certainly one's standard of living is under better control in a given house, if owned than if rented. It's a fair question, however, if the renter doesn't bargain with the landlord for as many conveniences as he would provide for himself.

The home owner doesn't move as frequently as the renter, and this em-

phasizes another side of the cultural advantage. His children can grow in one community. They do not have to change every few years from one school system to another. They have the inestimable advantage of life-long friends. And beside all this, there is the very material saving in moving costs.

Another advantage of home ownership which is made much of is the stimulus to saving. Of course this doesn't apply to families which have the money to buy a home outright, but it does count largely in the financial disciplining of those who need it. Probably six out of every ten homes in the United States are now in the process of being paid for by some amortization plan. Thus, with all the talk about saving, it has become almost compulsory. In a few years they will not only have their residence property but the training in saving which it will mean still more property to come on. And the very experience of owning and paying for a piece of real estate gives a training in business property values which is immeasurably valuable in other directions, not only to the parents, but to the children raised in that environment.

It ought to go without saying that a family which owns its own home has one of the best types of insurance against financial disaster. When the place is owned free of debt, the mother and father can feel pretty sure that, whatever might happen to them, their dependents will not want for a place to live, at least. Even in case of a slump in business, or of being unemployed for a few months, home ownership gives a feeling of security which is good for the morale; and it acts as an equalizer of income through long periods.

AS TO BORROWING VALUE

Very few people like to think of mortgaging their home, once it is done, for, yet the fact that home ownership does mean borrowing ability on a considerable scale is a matter of no rate importance. Real estate dealers make much of the fact that a borrower's receipts is very poor collateral, and they are right. But that isn't the man who pays himself rent, or who, things being equal, has a better financial standing in the community; who borrows better, if he wishes, with collateral. This may not greatly reduce the other expenses of living, but it does give one a pleasant feeling, the assurance of credit, if need helps to keep a man in position where he does not need it.

There is a deal of significance in the fact that when a family sets out to invest in a home, the choice is more likely to be a one-family home with yard and garden, than when the quest is for something to rent. The point is that the home buyer is emphasizing the family life more, and things as convenience to work markets, less, than the renter. Perhaps that's largely through force of circumstances—he can't so easily buy
(Continued on page 142)



HARDWOOD?

Yes—but which one?

WHEN it comes to hardness, perhaps you did not know that Maple outwears stone. This tough-fibred, tight-grained flooring simply polishes under the friction that turns stone into gritty dust. Maple is the floor for wear, in homes or offices, stores or factories, clubs or apartments. But how about beauty? Maple, again, meets the need with a color like captive daylight, or if you wish the darker tones, Beech and Birch open to you all the colors of heart's desire.

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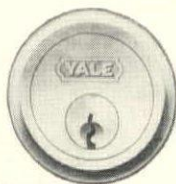


THE YALE 44 AUTOMATIC Deadlatch does automatically what you forget to do manually.

It automatically deadlocks the door — the moment the door is closed.

This Yale Deadlatch combines the convenience of the ordinary springlatch bolt with the security of the deadbolt. Automatic in action, the bolt when thrown reaches into the strike almost double the usual distance, and in addition is deadlocked in place.

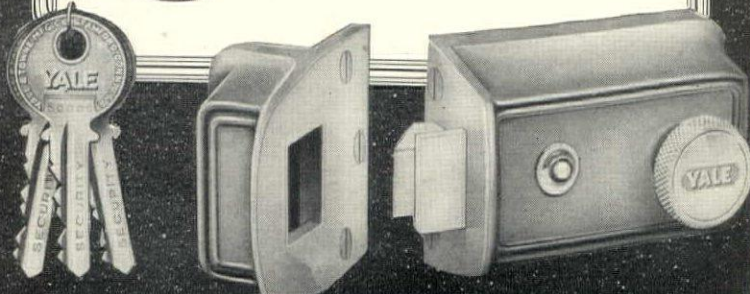
The Yale 44 Automatic Deadlatch is particularly suitable for front entrance doors. The brass color finish makes it attractive in appearance and the automatic double-throw latch bolt gives it great security, proof against end pressure and tampering.



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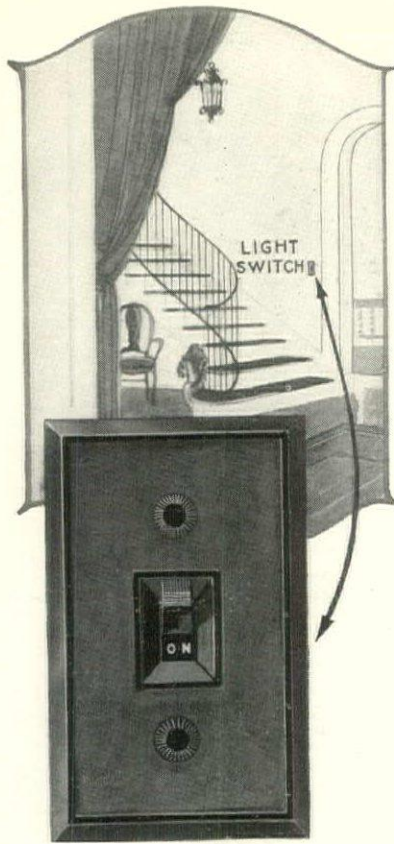
Canadian Branch at St. Catharines, Ont.

Yale Marked is Yale Made



SHOULD WE RENT OR BUY

(Continued from page 140)

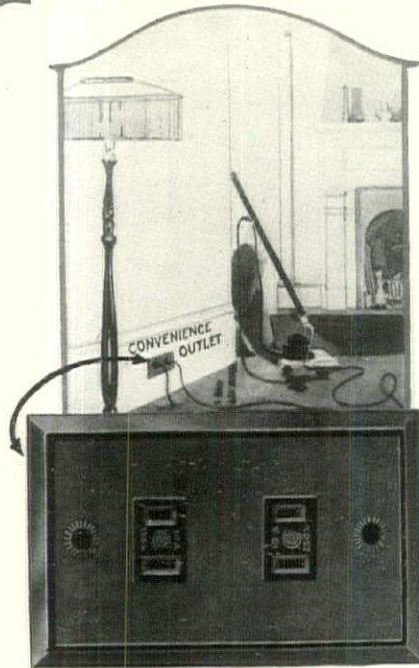


Illustrated at left is the Connecticut-Bakelite plate and Toggle Switch, with "on" and "off" clearly indicated for controlling lights.

Can be furnished with luminous locator button.

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If locally unobtainable, supplied direct on receipt of price.



At right is illustrated Connecticut-Bakelite Double Convenience Outlet for "plugging in" electric appliances. Takes standard attachment plug caps. Two electric appliances can be operated at same time from this outlet. Like all Connecticut Devices, is non-tarnishable and shock-proof.

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Note.—Old tarnished metal plates are easily replaced by Connecticut-Bakelite plates.

FINE FITTINGS

The modern home today is, of course, lighted by electricity, either by chandeliers hung from the ceiling, or fixtures on the side walls. These lights are practically all controlled by switches, so that by pushing a button or operating a single lever, the lights can be turned "on" or "off" at will. In addition there are many convenience outlets in the baseboards for operating floor lamps, vacuum cleaners, and other appliances.

The chandeliers and wall fixtures can be obtained in beautiful designs, but until recently no effort had been made to furnish switches and baseboard outlets, with their cover plates, in materials that were in keeping with attractive home furnishings. These installations have always been covered with cheap brass plates, unsightly and soon tarnishing.

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apartment building—but it works that way just the same. And so home ownership tends to help perpetuate the single-family dwelling. That is an important thing, not only to the individual family, but to society as a whole.

Speaking of social values, there is also the "tax paying consciousness" which comes perforce to the home owner, and very frequently not to the renter. We are supposed to believe that this makes for better citizenship. If it pays to be a good citizen, then this is one more point in favor of owning instead of renting the home.

COMING TO A DECISION

After considering the arguments pro and con, the average citizen wants to know how all this applies to him. If there are perfectly valid reasons for, and against, home ownership, how can one ever be able to satisfy himself with a decision. The answer is, of course, to consider which of these aspects is most significant in your life, and that of your family. It may be entirely the wisest policy, in one case to own, and in the other to rent. Remember that we have the country pretty evenly divided on the subject. One does not need to prove which is better in the abstract, but which is better in his one concrete case.

For the man who feels that his position or business connection is not a permanent one, especially if the prospects are for moving from one city to another frequently, then home ownership becomes a rather hazardous policy,—unless perchance, this man has an unusual gift for making quick sales to advantage in the real estate field.

On the other hand, if the husband's position is reasonably permanent, or if, in changing positions, he would still be located in the same city, then, as they say in legal matters, the case is *prima facie* one for home ownership. And this is more especially true if there are young children to be considered. For such a family the one-family house in residential section or suburbs is the first choice, but even if they must live in the heart of the city, it is becoming increasingly possible to invest satisfactorily in a cooperative apartment house. Heretofore a principal drawback of the cooperative apartment was the difficulty of "getting out," i. e., selling. Now there are so many of these buildings, and so many more people are acquainted with the idea, that finding a purchaser for one is little if any more difficult than for the ordinary house.

If a family, through a number of years, has been unable to accumulate any savings, it is quite possible that investing in a home through such a plan as a building and loan society would provide the necessary stimulus. Still there is danger in that, unless the people have had some training in meeting periodical payments without default.

In some cases it seems unwise to put a family's capital into a home which is continuously needed to help finance an expanding business. This problem can be met part way, when desired by purchasing only a small equity, carrying the balance on a mortgage with suitable interest rates can be secured.

Other things being equal, home ownership has more advantages than rental, so is a safer course, where the father or some member of the family, is invested in real estate values, and a good salesman. For this reason, every family investing in a home should study the market for houses in every section of the city, and keep up to date on such information. They should not only be conversant with prices, but with methods of marketing. This is necessary, not only to be safe in buying quickly when necessary. But it is the way to uncover bona-fide gains in real estate. It is the method by which a small proportion of young couples have turned their homes into fortunes—through successful transfers.

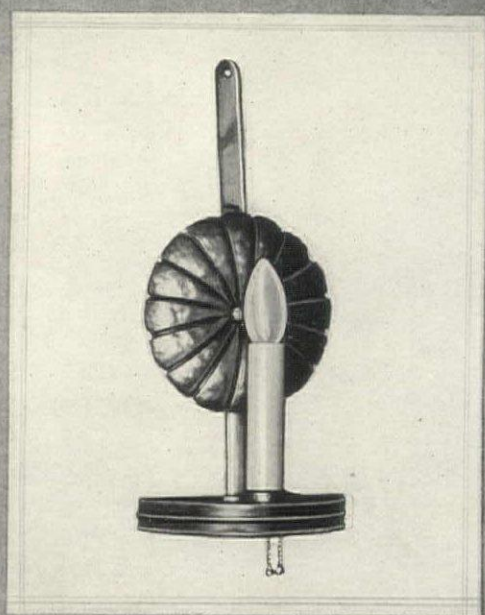
A FORMULA THAT MAY HELP

But some people are not satisfied to decide the question of home ownership or rental on any basis but the economy of it. Which is the cheaper way? Unfortunately, again, the answer isn't always the same. But it is possible in any given case to figure the matter out.

Assume that rent charges are 12 percent of the capital invested in a residence building. Now if you own a home of your own, it will be more expensive for you than renting on your costs are kept below 12 percent. You should figure at least 6 percent of the market value of your property on your own funds invested in it. There is a mortgage at, say, 5 percent on half of it, it is easy to see then the capital investment in your home is costing, on the average, 5½ percent. There should always be a allowance for depreciation on a home and actually put into the bank as a sinking fund, about 2 percent of value. That makes 7½ percent. compute the taxes. Perhaps they amount to 3 percent. The average repairs should be added in, which usually between ½ and 1 percent. In addition, suppose taxes and repairs are 3½ percent. Add that to the 7½ percent above and you have 11 percent, just one percent less than the cost of rent! Remember, however, that these are arbitrary figures. In your case, it may prove to be 11 percent, and a dead loss of 2 percent to live in your own property.

"Still what is two percent coming back to the satisfaction of living in your own home!" comes back the investor. And so we have to admit that each case must be decided on its merits. But perhaps we ought to be thankful that each family can judge its own judge and give the value whatever weight it deserves.



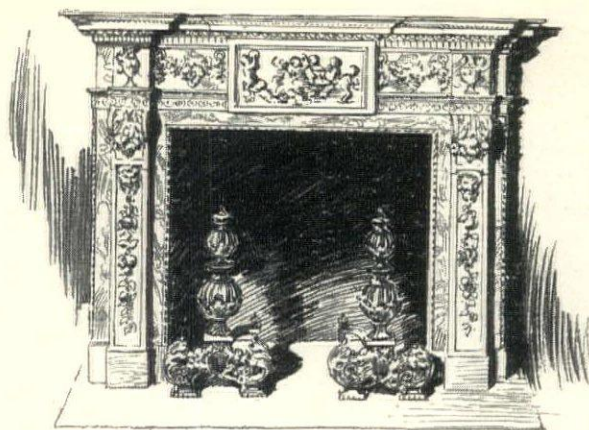


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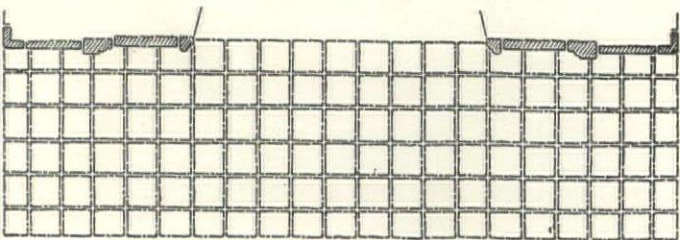
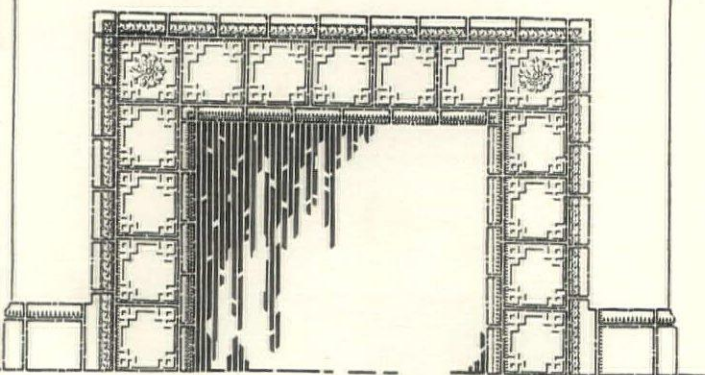


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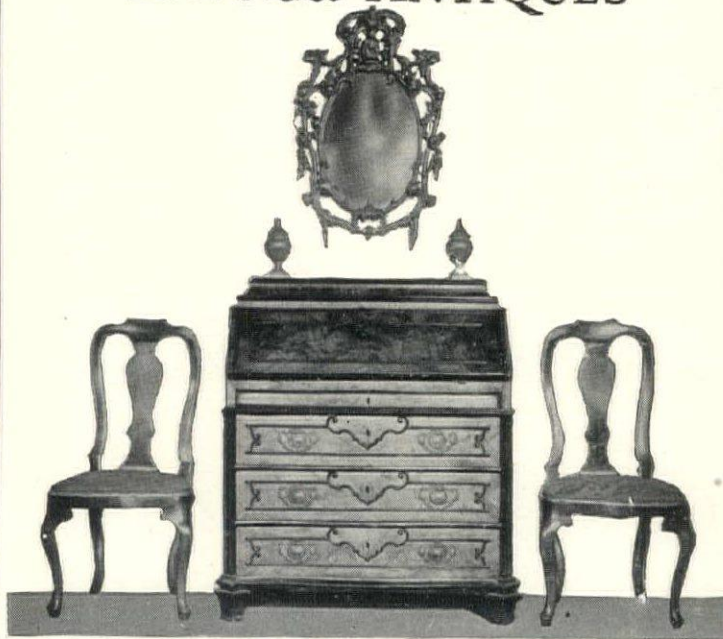
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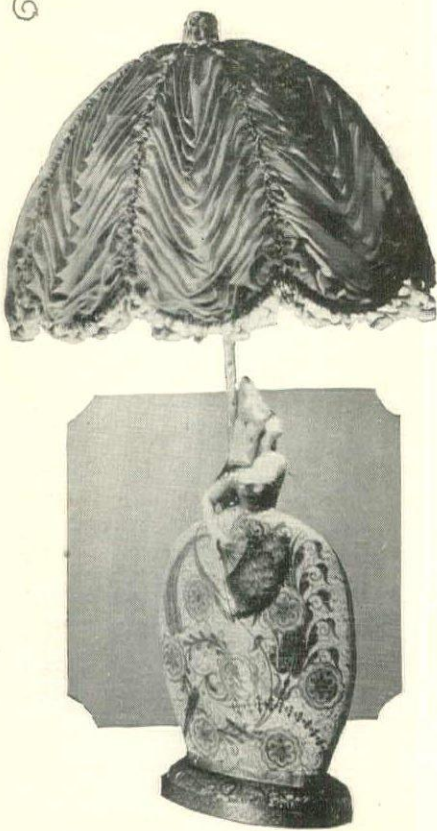


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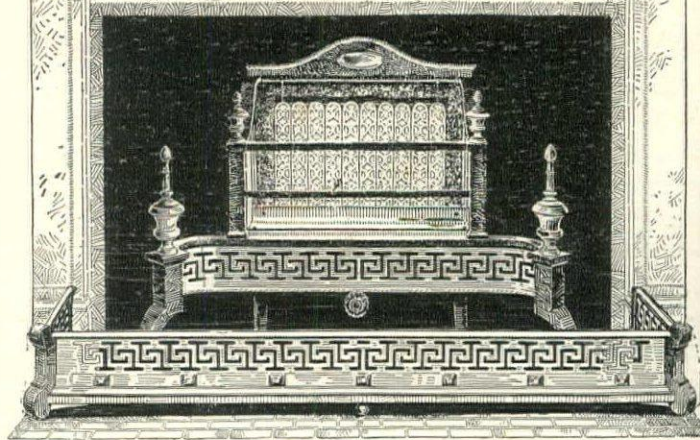
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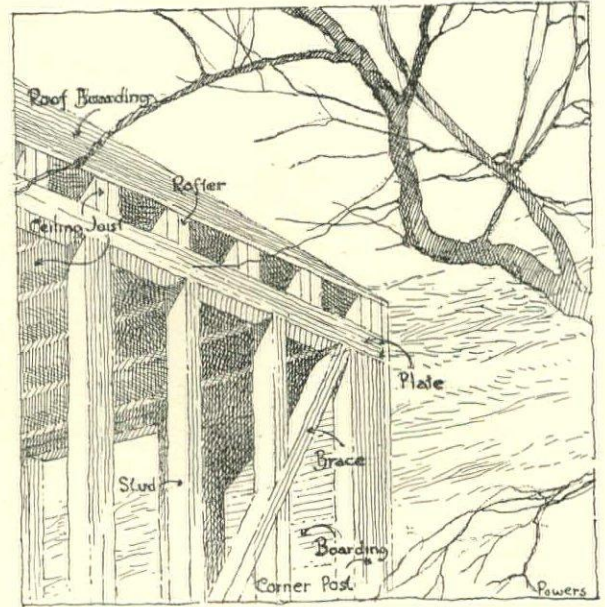
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The frame at the cornice line. The spaces between the top of the plate and the under side of the roof boarding should be filled with brick or concrete to check drafts between the studs

HOW FRAME HOUSES ARE BUILT

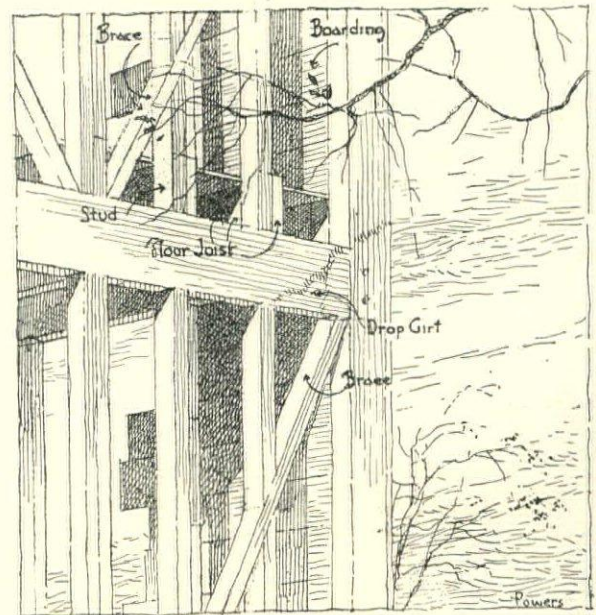
(Continued from page 65)

sists in using the lightest lumber possible, with no real braces, no mortising, of course, or pinning, but just enough strength to hold a house together under favorable conditions. It can be put up with extraordinary speed and is just as susceptible to beautiful form and finish as any other frame work. Its fault is simply its lack of pride and permanence. It differs from full framing in that it is not erected in fully and carefully prepared sections, but each post and stud is set separately upon the sill, spiked in place below and held upright by boards, nailed temporarily along the tops, until enough of the girts and floor joists are in place to let the foursquare framework be its own bracing. The studs run from sill to plate, clear through both stories, where in full framing a single story was usually the limit for one

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Combination framing has borrowed itself to some of the speed of full framing, and to some of its unbelievable efficiency; and from full framing it has borrowed certain details of bracing, mortising and general finish. The framing begins with the laying of the sills on the foundation, bedding them in cement onto the masonry, joining the ends at the corners, squaring them and bringing them to an accurately level surface. The corner posts are then set upon the sills and held in place by diagonal braces running between post and post. Heavy timbers called drop girts run from post to post along the lower faces of the house at the

(Continued on page 148)




The frame of the second floor line. The drop girt across the front gives a bearing for the second floor joist

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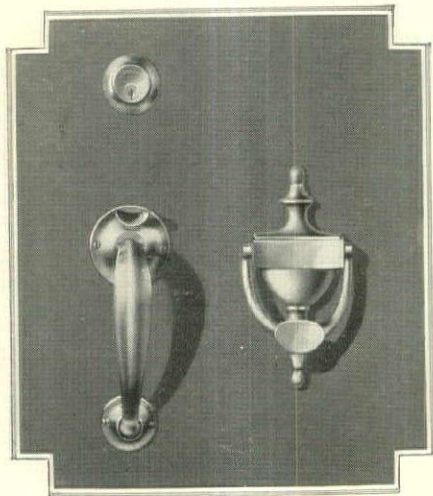


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HOW FRAME HOUSES ARE BUILT

(Continued from page 146)

story level and provide a support for the second floor joists. They help to make the whole frame work rigid, as well as give a bearing to these joists. The *flush girt* fulfills the former function only, as it runs across the ends of the house, set flush in the outer faces of the posts, at the same level as that of the joists. *Braces* are set also between these girts and the posts. It should have been said in passing that the ends of the first floor joists are set upon the lengthwise sills.

THE STUDS

If it is a large house there may be additional posts to receive *girders* which in turn provide additional support for the floor joists when the span is great. Now all the heavy, bearing timbers of the walls and floors are in place. The studs, generally 2 by 4-inch material, are set upright along the sills between the posts and spaced evenly 12 or 18 inches on centers and mortised into place. Where an opening occurs for a door or window the studs are doubled on either side of this opening. They run from the sill to the approximate height of the second floor ceiling, where they are cut off evenly to receive the *plate*—a piece running along the tops of the studs from post to post, on which rest the ends of the ceiling joists.

The *plate* also receives the roof rafters, (as shown in the sketch on page 146). The rafters run from their bearings on the plate to the *ridge pole* where they meet the rafters of the opposite slope at the apex of the roof.

All this is the bare skeleton of the house, the timber frame-work. As it has progressed there have been special problems to solve in connection with framing around chimneys, stair wells and the like. To go into these matters in the course of a short article that is meant simply to expose the main elements of the frame house would simply be clouding the issue. As a matter of fact, having seen the principal members of the frame work in place, it is not a difficult matter to imagine how the different details would follow along.

With the frame work complete the walls are covered outside with horizontal rough boarding, called sheathing. The same thing happens to the roof. In a *balloon-framed* house the sheathing is nailed to the studding and set at an angle of 45°, instead of horizontally, to give a necessary bracing to the structure. On the sheathing, as well as on the roof boarding, it is customary to put a layer or so of building paper (to aid insulation) before putting on the outside surface material. In the drawing which shows the unfinished home, the building stage above has been reached. Shingles have been begun to be laid on both walls and roof. The choice of material for either place need not be very limited, however. For the former, in addition to shingles, clapboarding and ship lap boarding, there may be stucco or a facing of

brick veneer, although the last is more suitable for walls of at least partial masonry.

The floor boards having been laid and nailed onto the joists, the inside walls are ready to finish. Onto the studs are nailed narrow strips of wood called laths. These, set horizontally about a half-inch apart, form a bonding surface for the plaster. The same applies to the ceiling. It is now possible to use wire lathing certain types of wall board for plaster base in place of laths. It is possible, also, to use a wall board for walls and ceiling which performs the functions of both lath and plaster.

With the inside walls covered, the floors, the outside walls, and the shell of the house has been created, and the framework lost sight. But, at least, for having the gaunt affair unclothed, with each timber at its task, the pleasantness of the finished house must be more apparent and its peculiarities more understood.

SOME FRAME HOUSE BUILDING TERMS

Names for a few of the things that are essential but seldom seen

SILLS:

Heavy timbers which rest on foundations and provide an accurately squared and leveled bearing surface for the entire structure.

POSTS:

Heavy timber uprights at corners and intersections.

BRACES:

Strengthening pieces set diagonally between posts and sills or between posts and girts.

GIRTS:

Heavy horizontal timbers in walls at each upper story which hold uprights in place and support floor joists.

PLATES:

Pieces (generally doubled, "broken" joints) which run along top of studding, supporting ceiling joists and receiving roof rafters.

GIRDERS:

Heavy beams supporting floor joists between beams.

JOISTS:

Beams supporting floor.

STUDDING:

The upright pieces in wooden walls and partitions.

RAFTERS:

Timbers supporting roof.

PURLINS:

Beams supporting roof rafters.

SHEATHING:

The rough boarding nailed horizontally (or at 45° angle) on the outside face of wall studding, providing a nailing surface for sheathing, clapboards, etc.

FURRING:

Strips nailed across studding or rafters to take laths or boards.

LATHS:

Strips nailed across furring or boards to take the plastering.



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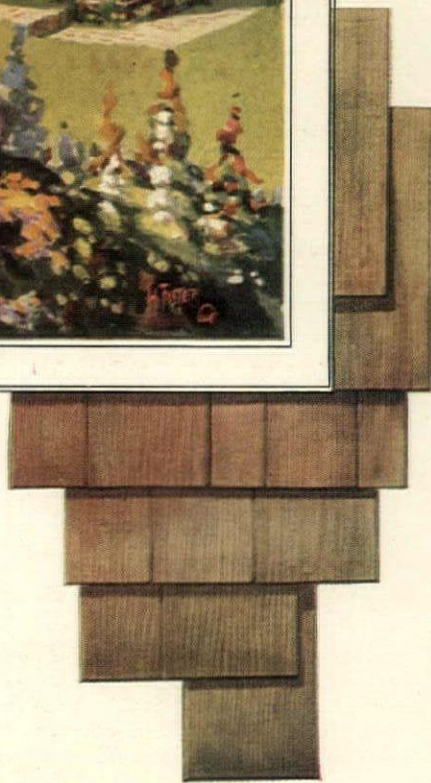
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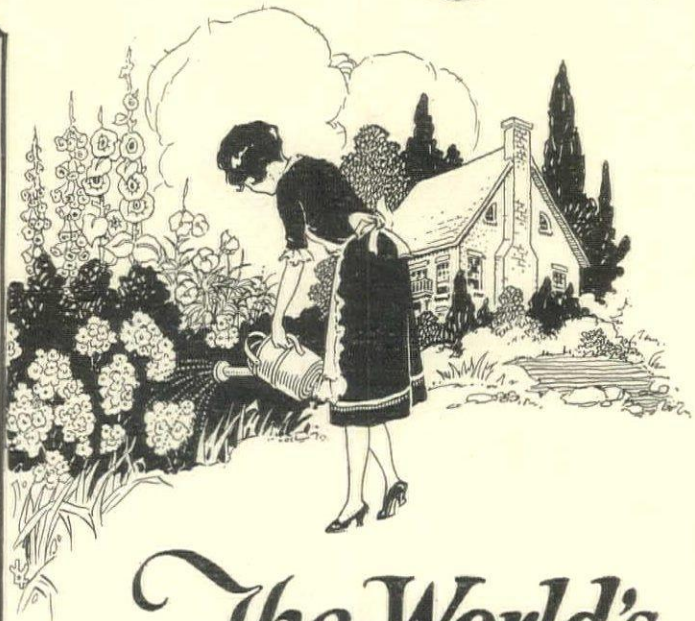
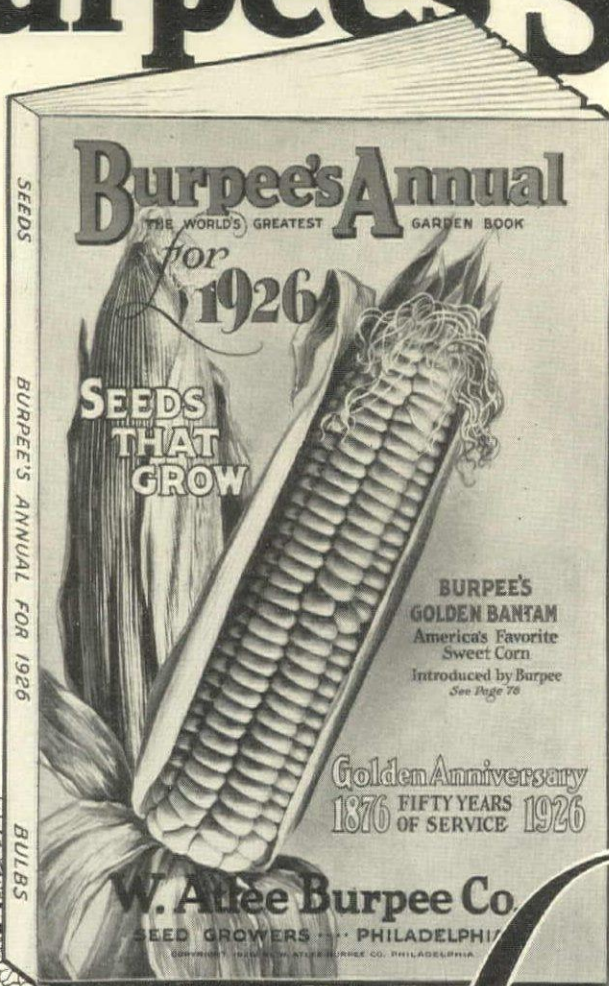
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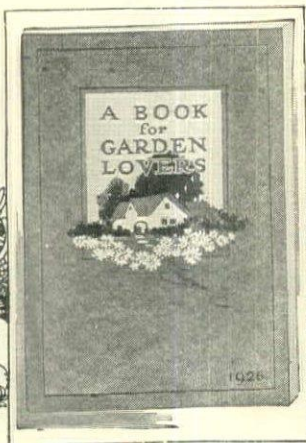
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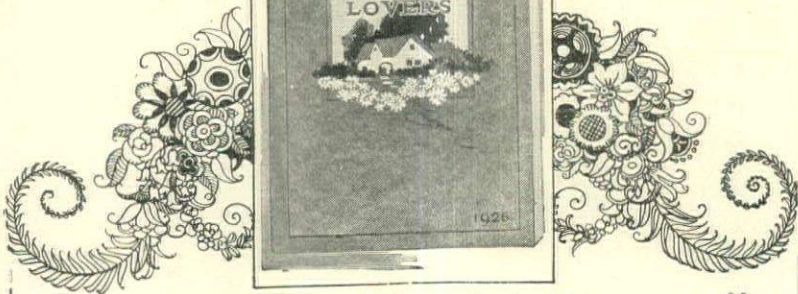
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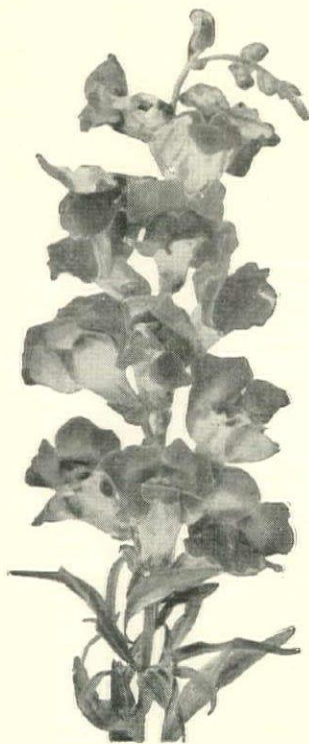
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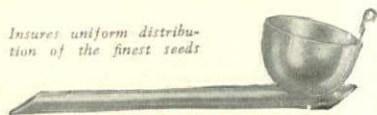
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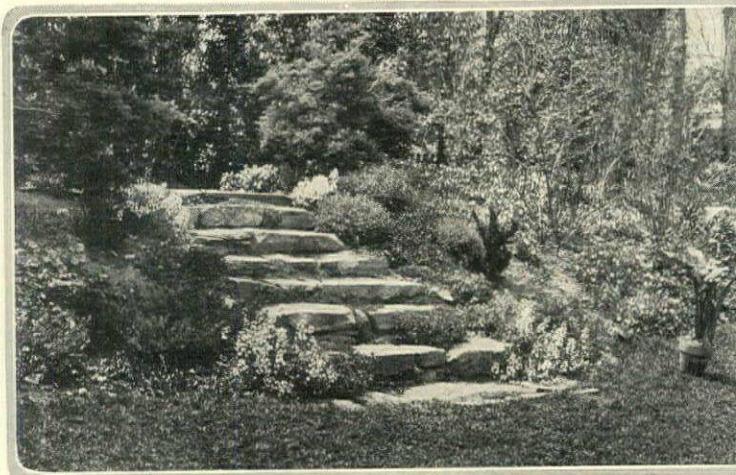


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Many women have the soul of the profession, but lacking the other two necessary gifts, do not aspire to make anything of the talent they possess. Perhaps they are not aware of the facilities for training that are obtainable. Women have looked on interior decoration as the sole genteel profession, and have overlooked landscape architecture.

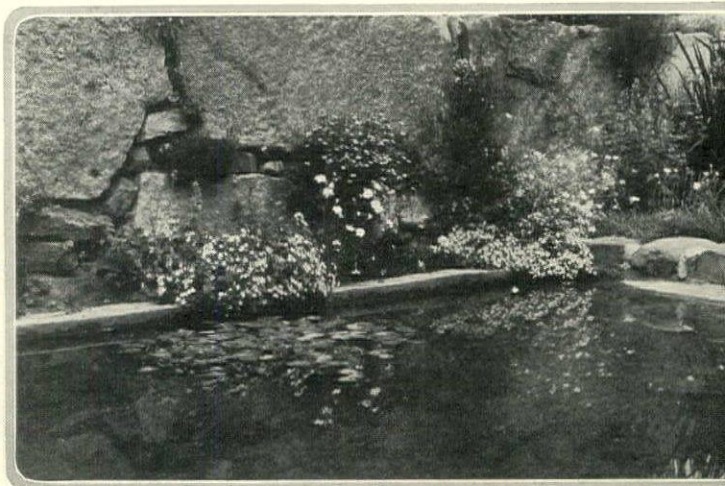
In this country there are a few dependable schools for the study of the art and one especially that restricts itself to landscape architecture and to women students—Lowthorpe, at Groton, Mass. In naming it, we do so because this offers an opportunity to speak of the work the school has done and is doing for women in that profession. It was founded in 1901 by

Mr. Edward Gilchrist Low and the past 25 years has been able to continue its work through the generosity of Mrs. Low and her friends. During that time it has attracted students from all parts of the country, so that it serves not merely one section of it alone. Since it is grown to these proportions and is desirable that the school no longer depend on its founder's munificence, it is asking garden lovers to lend a hand in an endowment that will assure its continuance. Without that support work will have to be curtailed and may eventually have to cease.

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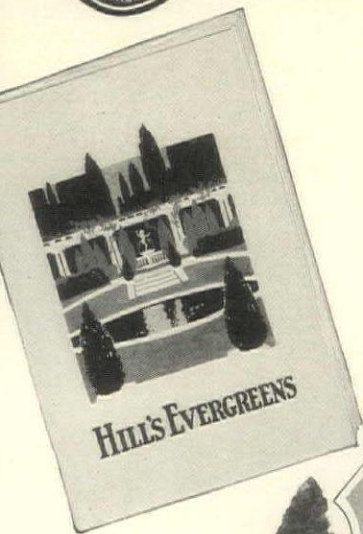
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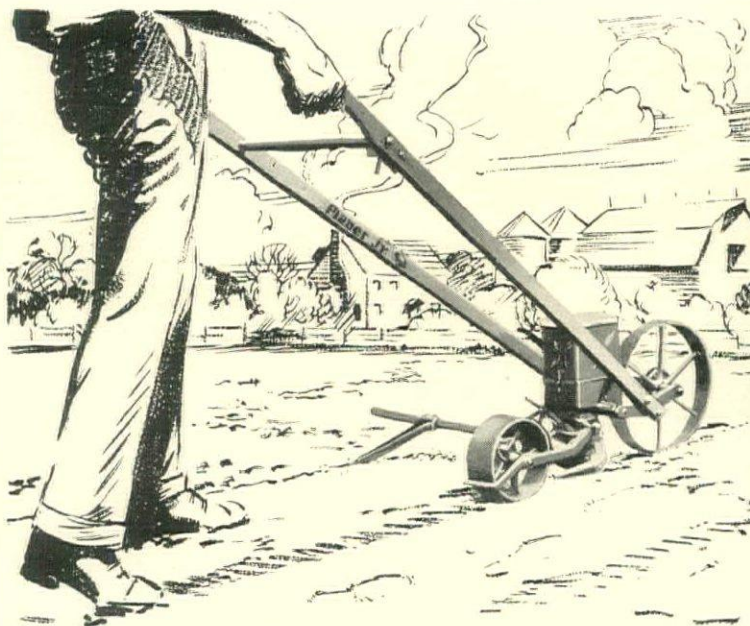
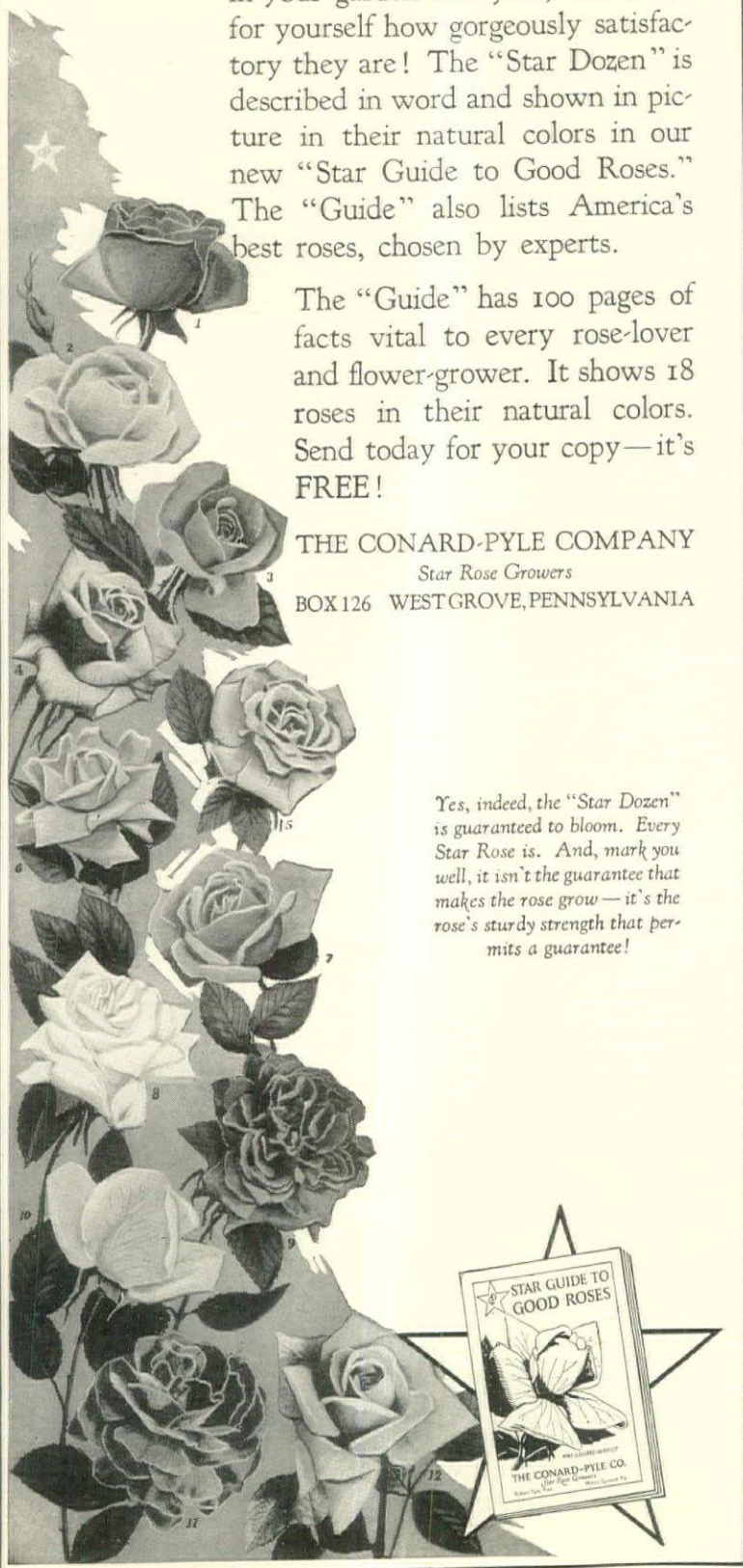
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Yes, indeed, the "Star Dozen" is guaranteed to bloom. Every Star Rose is. And, mark you well, it isn't the guarantee that makes the rose grow—it's the rose's sturdy strength that permits a guarantee!



Let Planet Jr. plant it for you

A Planet Jr. Seeder is really a necessity to the successful gardener these days. Until you have your own you'll never dream how often you will use it, right through the season. And you'll never know until you have yours what an immense relief it is from the wearisome drudgery of planting seeds by hand.

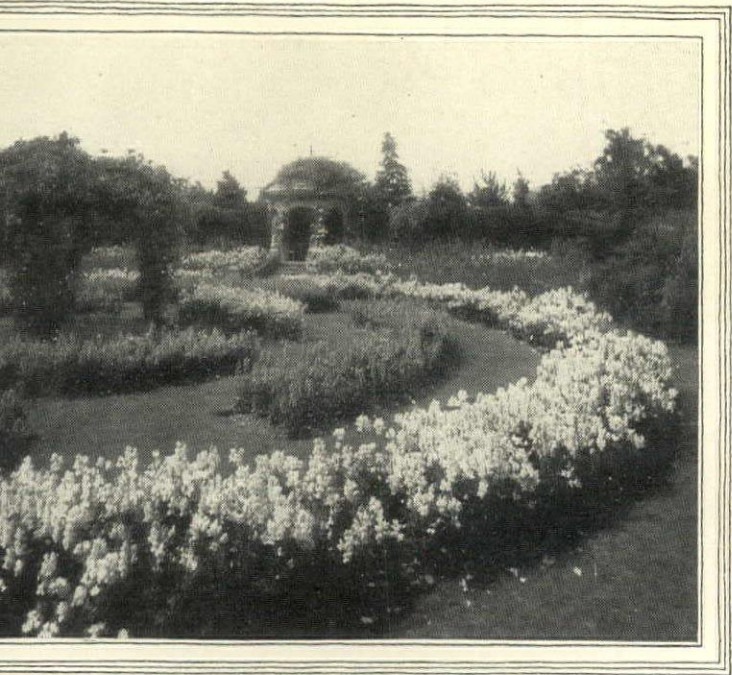
Planted so accurately and true, just deep enough, smoothly covered and rolled, all at one time. And just when you want it—right in time ahead of a long rain, when minutes lost may mean a crop lost. That alone is worth the price of your Planet Jr. many times over.

There are several popular Planet Jr. Seeder models, all shown in interesting detail on pages 4-14 of the new Planet Jr. catalog. Don't overlook the No. 35 seeder attachment for wheel hoes on page 14. Just right for small gardens. For cultivating, nothing beats the famous Planet Jr. Wheel Hoes. Ask your dealer for copy of catalog and our new booklet on gardening. If he can't supply you, we will.



S. L. Allen & Co., Inc.
For 54 Years Largest Manufacturers of Specialized Field and Garden Implements in the World
3425 E. Glenwood Ave. Philadelphia

Planet Jr.



A charming garden of Sutton's Antirrhinum

Sutton's Seeds bring you the rare charm of a truly English Garden

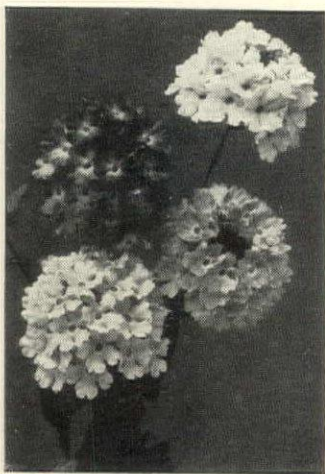
IF YOU would have flowers entirely different from the usual varieties—flowers rarely seen in this country; if you would have thrifty foliage and blooms of amazing color and size, plant Sutton's Pedigree Seeds.

Sutton's Seeds are from the choice of England's finest plants—plants that have been carefully bred for perfection of bloom for 120 years. Small wonder that many of America's best gardeners every year specify Sutton's Seeds.

It's easy to get Sutton's seeds. They are especially packed and sent by mail directly to your home. Write today for our new catalog and Guide in Horticulture. This book is beautifully illustrated in full colors and contains a fund of useful information. It will be mailed to you for 35 cents. (Stamps or International Money Order)

Right now is the time to think about your garden for next spring. Why not resolve to make your garden, whether large or small, a garden of outstanding beauty and rarest charm by planting Sutton's Pedigree Seeds! Send for catalog today. Sutton & Sons, Dept. B, Reading, England.

The Seed Business with a History of 120 Years.



Sutton's giant mixed Verbenas. Two sized packets—36c. and 61c.

Sutton's Seeds

ENGLAND'S BEST

Special for 1926



3 Wonderful New Roses

for your garden

Three rare new introductions in the "monthly" class, of unusual size, beauty and vigor, selected from the largest plantings of outdoor Roses in America. Bloom all summer. An unusual opportunity for Rose lovers.

1 Edel. The largest and finest white bedding Rose ever developed. Bold, stately flowers, every one of enormous size; snowy white with faint ivory shading toward the base of the petals; deep centered and substantial. Remarkably free-flowering, opening well in all weather. Edel is the supreme white Rose for American gardens. Supply limited. (If purchased separately, \$2.00 each.)

2 Mrs. Redford. One of the most distinctive and desirable Roses of recent introduction. Bright apricot-orange—the most attractive of its color. Flowers superbly formed, large and delightfully scented. Mrs. Redford is a strong, upright grower, with holly-like, mildew-proof foliage. Produces quantities of blooms all season. (If purchased separately, \$2.00 each.)

3 Souv. de Georges Beckwith. Big, globular flowers on long, stiff stems. Lovely shrimp-pink, tinted with yellow which deepens at the base of the petals. Shares with Edel and Mrs. Redford, the strong and vigorous growth and free-blooming habit which make all three the most desirable garden Roses developed in years. Very rare. (If purchased separately, \$2.00 each.)

Storrs & Harrison Roses, selected and grown at Painesville on the shores of Lake Erie are famous the world over for their vigor and reliability.



Special Offer {one strong, 2-year, field-grown plant of each—all 3 for} \$5.50 post paid

While they last—Please order promptly. Shipment at planting time. Safe arrival guaranteed.

FREE America's foremost catalog of shrubbery, trees, evergreens, plants and seeds. Beautifully illustrated; every variety carefully and accurately described. Full of helpful, practical suggestions for beautifying garden and home grounds. Write today for your copy—free.

THE STORRS & HARRISON CO.

Nurserymen and Seedsmen 72 Years

Box A1

PAINESVILLE, OHIO

A More Exquisite
English Primrose



A Glorious New Strain

for American Gardens

Have you a moist or partly shaded spot to fill in the rock garden, along the walls, or in the perennial borders? Primroses will be just the thing—real hardy English Primroses—the primroses of song and story that bloom forth in such bright and charming colors with the earliest Spring flowers.

Elliott's New Giant-Flowered Polyanthus are a hybrid strain which preserve all the charm of the old English primroses with the addition of unusual size, an amazing wealth of beautiful colors and art shades, and some special quality of hardiness and vigor that makes them grow to perfection under American conditions. The plants are sturdy and compact in growth, carrying flower clusters of immense size. Easy to grow; hardy, blooming year after year; a real acquisition, welcomed by every lover of fine gardens. (Rare. Packets, 50 cts. each.)

Three Other Elliott Specialties for Flower Lovers

Shirley Foxgloves. This magnificent strain, growing 5 to 7 feet tall, with massive flower spikes 3 and 4 feet long, created a sensation with the gardeners who were privileged to grow it last season. The bell-like blossoms range from white to dark rose, handsomely marked with maroon and chocolate. Hardy perennial, blooming from June to Fall. Seed still very scarce. (Packets, 25 cts. each.)

Balcony Blue Petunias. Although first introduced to American gardens by Elliott several years ago, the popularity of this unique strain of Petunias grows amazingly. There never has been enough seed of the true blue type to supply the demand. Luxuriant plants, bearing all summer long, big, velvety flowers of true indigo-blue—a color rarely found in such purity and intensity in Nature. (Packets, 25 cts. each.)

Elliott's Sweet-Scented Lupines. Another sensation among flower connoisseurs, surpassing all other perennial Lupines in vigor of bloom and wealth of soft and lovely color, with the added new quality of delightful fragrance. Ideal for beds and borders, and for cutting. (Packets, 50 cts. each.)

Special Offer

One full-sized packet of Elliott's New Giant Primroses, with a packet each of the three other Elliott flower specialties described above—

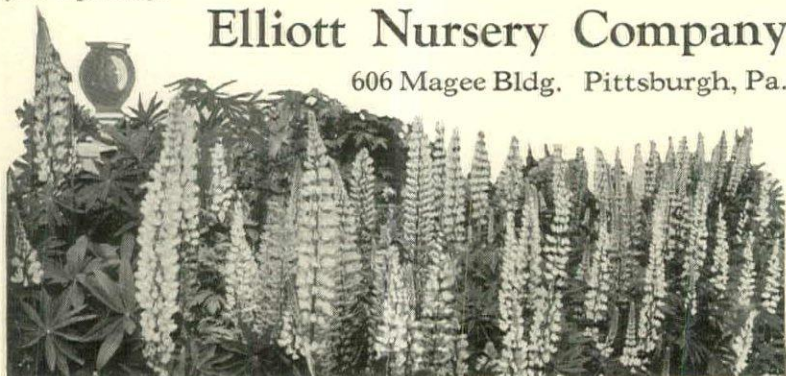
\$1.25

Postpaid at this special price as long as they last. Please order early

FREE Elliott's Garden Book for 1926 is bigger, more complete and more helpful than ever before. It describes hundreds of flower specialties and exclusive introductions for the out-of-the-ordinary garden, with an unusually complete selection of flowering bulbs for Spring planting, and a section devoted to the choicest garden vegetables. The edition is limited. Write for your copy today.

Elliott Nursery Company

606 Magee Bldg. Pittsburgh, Pa.



FOR THE GARDENER SCRAP BOOK

WE HAVE grown so accustomed to thinking of Rhubarb being essentially a vegetable of the springtime that at the idea of pulling fresh stalks from our own soil in midwinter doesn't seem right. As a matter of fact, though, the labor involved in bringing about such an opportunity is so slight that, once experiment has been tried, it is more than likely to become a habit each winter.

It is really very simple. About all you need to do is to take several good-sized divisions off the old roots in the garden, replant them in boxes containing plenty of good soil, and bring them indoors to a warm cellar. Here, if they are kept well watered, they will quickly start growth and in a surprisingly short time you will have stalks big enough to use. The plan is one that can be started any time after the beginning of January, the only essential provision being that the clumps shall have been frozen hard before they are forced.

AT THIS season of the year, when one's garden thoughts are likely to turn toward the new catalogs shortly to arrive, there is a deal of pleasure in investigating the full possibilities of some of those larger flower families with whose members one may not be on terms of easy familiarity. Not the least of the interests in such study is the unexpectedly great variety of plant material which it often brings to light.

There is no need here to emphasize the garden importance of such families as those of the Rose, Gladiolus, Dahlia or Peony, for these are rather generally known. Rather, we would call attention to a less well-known group, the Sedums or Stonecrops.

Primarily, these hardy little fellows are adaptable to rock gardening, though many of them are almost equally useful along the front of a herbaceous border. We are going to leave to you the fun of discovering the details of their variety and excellence, mentioning merely two as a sort of appetizer which may lead you to a full Sedum meal.

Sedum acre and *S. spectabile* are the varieties in question. The former, a splendid yellow blossoming in June and July, is low and of dense form; the latter, pinkish flowered, reaches a height of a foot and carries the season on to the end of September. Both lend to the rock garden a gayety that is too often lacking at the first flush of the early spring.

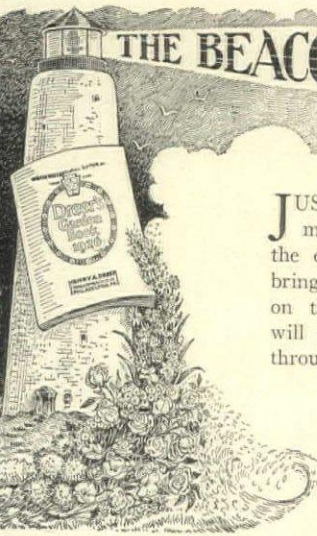
PAPER-WHITE Narcissi grown in pebbles and water for winter bloom in the house should be planted about six weeks in advance of the desired flowering time. The bulbs are set deep among the pebbles sufficiently to prevent their rolling over, and enough water is added to come about halfway up their sides.

For three weeks, or until they have formed abundant roots, the bulbs should be kept in a dark, fairly cool place. By this time growth will have started, and the plants may be brought gradually stronger and stronger light. When the buds show plainly the bowl should be put in a sunny window to stimulate the early blooming. Water, of course, must be added from time to time to replace that which is lost by evaporation and by natural absorption into the tissues of the plants.

WHOLLY pleasing and successful as winter indoor decorations are the rich green, neat and glossy leaves of *Lamprocarpa* which, when the butts of their woody stems are kept in a water-filled vase of good size, will not only retain their freshness for months but actually put forth new growth. There is no background against which they will not look well, either alone or combined with a few suitable cut flowers to lighten their effect.

(Continued on page 156)

THE BEACON OF THE GARDEN WORLD



JUST as the ocean of life is beset with many dangers—visible and invisible—so the embarking on a gardening expedition brings many baffling problems. Clear light on the subject, and correct information, will automatically solve many of them—through the

Dreer's Garden Book for 1926

EQUALLY esteemed by seasoned gardeners and newcomers to the ranks has won its way to recognized leadership through the straight road of Truth. For 88 years it has faithfully piloted thousands to the harbor of gardening contentment. Whether your aim aspires to choicer flowers or tastier vegetables, to better stocked conservatory or lovelier, showier flower beds outdoors—The Dreer Garden Book promises safe and sane advice on the subject. The Seeds, Bulbs, Plants, etc., which it offers, are the results of a lifetime's experiences in productions, by various experts in their respective fields.

224 pages illustrated from photographs; numerous inserts showing specialties in colors; valuable cultural hints written by men and women who really know what they are talking about—all this is yours free for the asking, and please mention this publication.

HENRY A. DREER

306 Spring Garden Street Philadelphia, Pa.

GLADIOLI that reflect the quality of Kunderd breeding



KUNDERD GLADIOLI are known all over the world. They have taken innumerable prizes at flower shows for their beauty, size and variety. Their marvelous colorings and profusion of bloom are the result of the constant care I have given them in 40 years of originating and growing gladioli. If you could see my acres and acres of gladioli in bloom, you would be amazed at their beauty and variety. But you can enjoy their charm in your own garden. Simply write for my

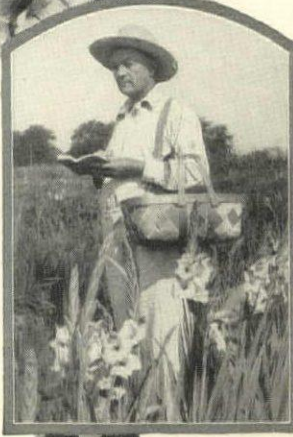
New Gladiolus Book—Sent Free

It's a book you will be glad to keep. Illustrated in colors, it lists and pictures the many varieties of Kunderd Gladioli I am offering this year. Read its story of my new "Wonder Mixture." It also contains full cultural instructions compiled from my personal notebook. Write for it now.

A. E. KUNDERD

32 Lincoln Way West, Goshen, Ind., U. S. A.
The Originator of the Ruffled and the Lacinated Gladioli

Kunderd Gladioli Stand Supreme



A. E. Kunderd at work

Flowers for Everybody! - Everywhere!

Whatever you may wish to say, Flowers will say it better!—and say it instantly, as if by magic— for in every city we have our own Floral Artists, who will promptly fill your order, telegraphed to them by us.

Excellent Roses, medium stems, \$5. doz.
Long stems, better quality, at higher prices

GIFT Flowers and Plant Baskets, in wonderful colorings, \$10 and up

MAX SCHLING
"The Telegraph Florist of New York" INC

785 FIFTH AVE. New York + Regent 8060 Phone

"EXQUISITE"

The New Harris Hollyhock

Practically all who love gardens agree that the Hollyhock is one of the most picturesque, stately and beautiful of flowers. That is why we want to call special attention to this really wonderful and distinctly different new variety—"Exquisite."

Its large double flower, ruffled with frilled edges, is a bright, deep rose color with white edgings on each petal. The tall plants with their long spikes of brilliant bloom are very vigorous, do not blow over, are easy to grow from seed sown outdoors in the Spring, and will continue to bloom several years.

SPECIAL OFFER

1 Pkt. "Exquisite" seed 24c in stamps

As Exquisite will not be listed in our catalog, this seed can only be purchased through this advertisement.

Our new catalog of Harris vegetables and flowers, illustrated in colors, lists a number of other single and double Hollyhocks in beautiful colors and contains many interesting and unusual suggestions for your garden. We will gladly send it free on request.

We are large growers of Vegetable Seeds, Flower Seeds, Gladioli, Dahlias, Cannas and other bulbs and many flowering plants. Our catalog offers you the opportunity of buying seeds of a very superior quality direct from the grower at much less than city seedmen's prices.

It will pay you to ask for the catalog today.

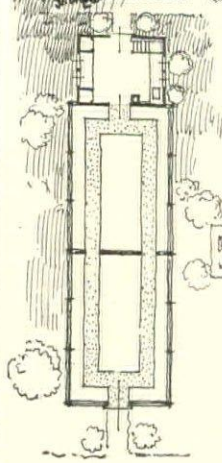
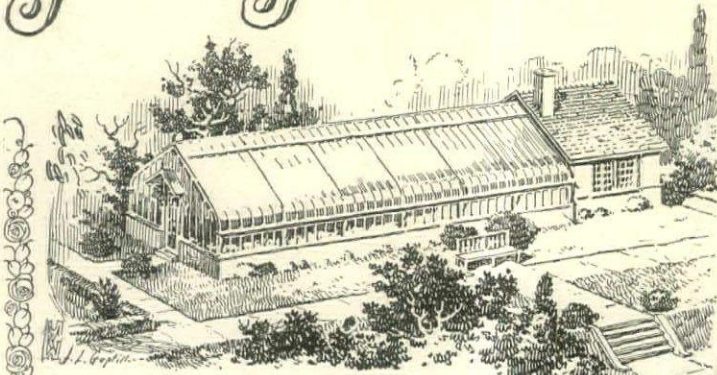
Joseph Harris Co., Moreton Farm
R. F. D. 3 Coldwater, N. Y.

Harris Seeds
for your Flower and Vegetable Garden

FOR THE GARDENER
SCRAP BOOK

(Continued from page 154)

Glass Gardens



Perhaps you would like a price on one of our two compartment houses like this.

Here At Last
A Good Sized Greenhouse
At A Little Sized Price
\$1650 Complete

FOR this small price you can have the complete materials for this full fledged greenhouse. The price even includes the full equipment of benches and heating system. Even to its special Burnham greenhouse boiler.

Frame is of steel. Every inch of wood is a special greenhouse

quality of Tide Water Cypress.

More money will buy one of our more ornamental houses, but it can't buy one any better so far as the flowers it will grow and years it will last.

Send for circular devoted exclusively to this particular \$1650 Glass Garden.

Lord & Burnham Co.

Builders of Greenhouses and Conservatories

Eastern Factory Irvington, N. Y.	Western Factory Des Plaines, Ill.	Canadian Factory St. Catharines, Ont.
Irvington New York	New York 30 E. 42nd St.	Philadelphia Land Title Bldg.
Boston Little Bldg.	Cleveland 1304 Ulmer Bldg.	Denver 1247 So. Emerson St.
St. Louis 704 E. Carrie Ave.	Montreal 124 Stanley St.	Buffalo Jackson Bldg.
		Chicago Cont. Bank Bldg.
		Kansas City Commerce Bldg.
		Greensboro North Carolina

In a sense, this evergreen beauty of the Laurel is the plant's curse, for, together with the magnificent display of bloom which cloaks the bushes in early summer, it has induced such ruthless ting and breaking on the part of an unthinking public that in many regions the wild Laurel has been virtually exterminated. No wonder that many private individuals, as well as those societies which interest themselves in such matters, have taken up the cry for a vigorous "save the Laurel" campaign. There is no denying the duty of everyone who has access to the native haunts of this lovely American shrub to refrain from cutting the wild plant.

There can be no slightest objection, however, to utilizing the foliage or flowers from cultivated plantings. Fortunately they are quite commonly available, so that one may enjoy the wondrous beauty of vases filled with lusty, living green and still retaining their conscience entirely clear of wrong-doing. It can be honestly urged, too, that those who have suitable conditions around their greenhouses set out a few plants of Laurel for the sake of the great beauty they will yield as well as for the contribution they will be toward the perpetuation of the species. Nursery-grown stock is inexpensive and of excellent quality—far better, indeed, than the straggling specimens which one might be tempted to dig up in the woods.

THE accumulation on their leaves of countless minute particles is a constant menace to the health of indoor plants, especially those with large foliage such as the Dracaenas, Palms, Lantanas, and so on. Some dirt is bound to collect, even in the most scrupulously cleaned room, and if neglected it will choke the plants that free "breathing" through the leaf pores upon which they depend for their very life. Outdoors, this grime is normally washed away at intervals by the rain, but artificial means must be used to disperse it when inside the house.

Much benefit will result if, regularly once a week, the foliage of these plants is wiped off with a soft sponge saturated first with slightly soapy tepid water, and then clear water. They will not be damaged if each leaf is supported on the palm of one hand while the upper surface is being gently cleaned.

NOT infrequently, when a pot plant becomes unthrifty for no apparent reason, the trouble lies in the soil in which it is growing. Perhaps the available plant food has been exhausted (a frequent occurrence) the soil itself may have become sterile through overwatering, poor cultivation or drainage, or a failure of the roots to penetrate throughout it. In any of these events repotting in entirely fresh soil may work wonders in the plant's condition. A light, fairly rich mixture is the best. If you cannot provide it from your own ground, go to the nearest florist and ask him to sell you some of his regular potting soil.

NO GARDEN lover's library can lay claim to complete unless it is well stocked with catalogs from the leading nurseries, plant and general supply houses. Not only are these bulletins (some of them attain to the rank of real volumes, beautifully illustrated) valuable as guides to varieties, prices and sources, many of them are replete with extremely practical, authoritative information on culture and other horticultural matters. Each year sees an improvement in their standard of all-around quality and a strengthening of their claim to being genuine garden textbooks.

It is easy, of course, to build up a catalog library so extensive that it is well-nigh unwieldy in the hands of any but an outstanding horticultural expert. Comparatively few of us have need of so large a collection, but we should see to it that our shelves contain the literature of the leading specialists as well as several of the more general listings. It never harms anyone to know where to buy the best and how much it will cost.



MALONEY TREES, SHRUBS,
Roses and Vines add greatly to the beauty and value of your home and surroundings. You will be surprised to see how simple and inexpensive it is to plant Maloney Nursery Stock. It is so sturdy and hardy, and has such a fine root system that it is bound to thrive and make a wonderful growth. Follow the simple planting directions in the catalog. Why wait any longer to have the pleasure and satisfaction of doing your own planting.

Our Landscape Service Will Help You

We grow our stock in our own upland Nurseries. For over 40 years we have been building up our extensive Nursery business by delivering only the best quality stock; grown, dug and shipped under our personal supervision. We sell direct from our 400-acre Nursery and that is why Maloney's customers get better stock at such exceptionally low prices. *Send for free catalog today.* Large or small orders receive the same prompt, accurate attention. We pay transportation charges. See catalog.

Maloney Bros. Nursery Co., Inc.
16 Main Street Dansville, New York

Send for Our Free Catalog

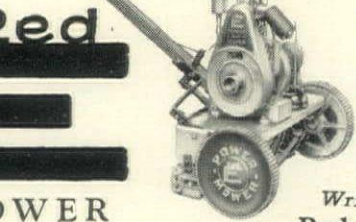
Here you will find a complete description of all the varieties we can furnish. And you are told what, how and when to plant so you can easily decide on what you want. Just fill in the order blank, mail it to us and your stock will be delivered to your home.

Maloney's
TREES, SHRUBS, ROSES, ORNAMENTALS, BERRIES, VINES

Large or Small Lawns

BEAUTIFUL LAWNS, to look their best must be constantly trimmed. This requires dependable equipment.

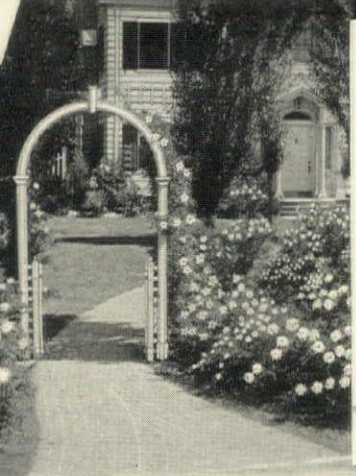
Red-E Power Mowers contain highest quality units and have these exclusive features: cushioned handle, motor air cleaner, extra-high reel clearance, protected gas tank, self-adjusting reel bearings, disc clutch control and other worthwhile advantages. One man can cut from 3 to 6 times as much grass in a day as with a hand mower. You are further assured of a better-kept lawn, at less expense. Made by the builders of the famous Red-E Power Cultivators.



Write for descriptive literature
Red-E Mfg. Co.

340 Davidson St., Milwaukee, Wis.

WAGNER FLOWERS



FREE CATALOG
to Garden Lovers

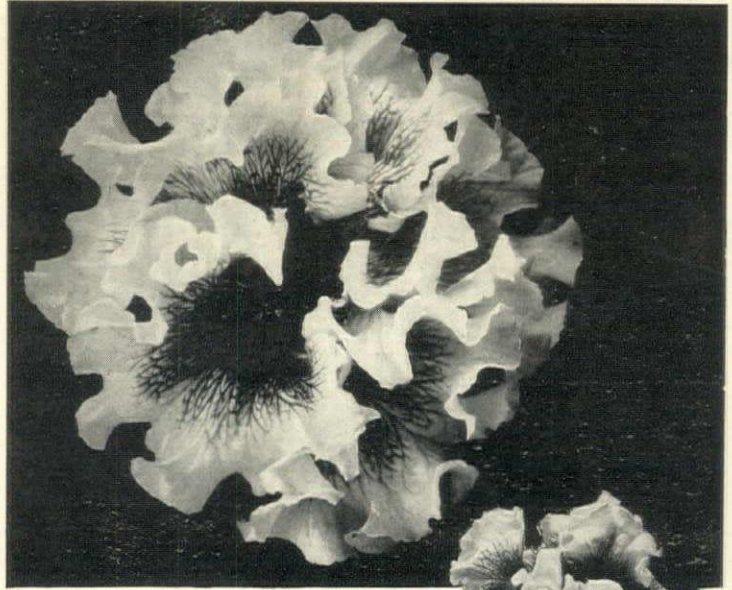
TELLS you how to make your home surroundings beautiful. Explains the mail service Landscape Department. Whether yours is a small garden or a large estate, you will profit by the Wagner. Gives complete list of Wagner Roses, Hardy Flowers, Bulbs, Shrubs, Trees, Evergreens, etc.

Write today for Catalog No. 413

Special Anniversary Offer
\$1.00 Prepaid 20 Varieties Ever Blooming Roses guaranteed to grow and bloom.

WAGNER PARK NURSERIES
Box 13, Sidney, Ohio
Nurserymen — Landscape Gardeners

"ORCHIDS?" "NO, DIENER MONSTER PETUNIAS"



BEAUTIFUL AS ORCHIDS
— and very easily grown

Diener's Ruffled Monster Petunias love life. That is why they can be grown so easily by anyone almost anywhere; why they will bloom the year round, if properly protected from frost. Thousands of flower lovers re-order Diener's Petunia seed annually. They love the fragrance, the gorgeous colorings, the monster size of these orchid-like beauties. Single and double. Dwarf or bush. Wonderful as cut flowers. Bloom in 12 weeks. It costs so little to try these prize winners.

Only 50c for a special packet of about 400 Ruffled Monster Petunia seeds.

We will also mail you our 1926 catalog, describing in detail all our Petunias, Gladiolus and other specialties, many illustrated in natural colors.

Remember, Petunias can be planted any month in the year — so don't delay. Send 50c today to

Richard Diener Co., Inc

Box 348
Kentfield
Calif.



Buy Diener's Gladiolus too



for small homes
as well as large estates—

Whether your home is located on a small city lot—or on a large country estate, Page Wire Link Fence will assure privacy and protection.

Page Fence not only keeps undesirable guests at a distance but adds to the appearance of its surroundings. The ease with which it can be erected and its permanence of construction make it the most economical protection you can buy.

Corrosion and rust are guarded against and long life assured by a super heavy coat of zinc, applied after weaving—approximately five times

as heavy as that on ordinary galvanized wire.

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America's first wire fence—1873

PAGE PROTECTION FENCE

*Burbank Seeds
Are Standards
the World Over*

**The Wonderful New
AMARANTHUS
"Combustion"**

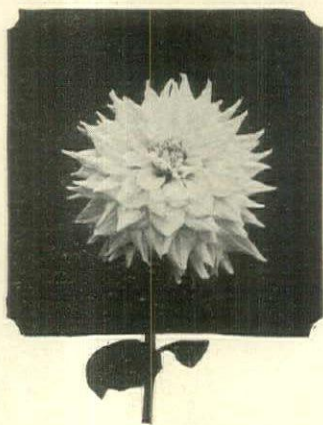
SURPASS all easily grown annual plants in their brilliant all summer color effects which have ever been produced, or introduced, or known during the past 2,000 years. More than 100,000 people during the past summer have admired them on my grounds.

Fifty Cents a Packet



Ask for Bulletin 65

**LUTHER BURBANK
SANTA ROSA, CALIFORNIA**



a new
and noble
DAHLIA

"MARGARET WOODROW WILSON"

This is one of the many notable novelties exhibited by us at leading Dahlia Shows in 1925 and awarded four gold medals, 14 first prizes and other trophies, bringing our total for 3 years to over 100 awards.

Chosen by Miss Wilson to bear her name, from the thousands of blooms exhibited at the American Dahlia Society's Show, at New York, September, 1924. A great honor to us and to this wonderful flower.

It is a giant exhibition type of the "Decorative" class, an opalescent pink, face of petals creamy white, the reverse side being phlox-pink, the reflection of which gives the opalescent effect. Flowers are of perfect form, borne on stiff, sturdy stems, well over the foliage. Altogether a most unique and uncommonly handsome Dahlia.

**Strong Tubers, each \$10.00
Plants, each \$5.00**

We have several other striking novelties to offer Dahlia lovers for 1926. These and the leading standard kinds in all Dahlia types are described in our new catalog, now ready, mailed free on request.

FISHER & MASSON

DAHLIA SPECIALISTS

"Sanhican Gardens" (Box H) Trenton, N.J.

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BY
BOBBINK & ATKINS

Is the title of our completely revised and profusely illustrated descriptive Catalogue of Roses.

It is a stepping stone to success in growing Roses. It is more than a Catalogue, being a Rose Treatise of Roses grown and offered by us for this season's planting.

Eight hundred and fifty varieties are described, of which more than one hundred are perfectly portrayed in color. Correct descriptions are given with comments on their merits and demerits.

All are perfectly classified and arranged in a way to make ordering easy.

There are several pages of useful cultivation suggestions.

We shall gladly mail a copy upon request of those intending to plant Roses.

BOBBINK & ATKINS



Nurserymen

Rutherford New Jersey

JAPANESE LILY BULBS

- Lilium Giganteum (pure white)
 - Lilium Magnificum (white, spotted rayed rosy red)
 - Lilium Auratum (white, dotted crimson)
 - Lilium Platyphyllum (heavily spotted, large flower)
- All large bulbs **\$ 2.00 per dozen
15.00 per 100**

Prepaid Express or Parcel Post any place in U. S.

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DINGEE ROSES
On Own Roots.

DA MAGNIFICENT new Dingee rose, the "Silver Columbia," is shown below. A hardy, luxuriant bloomer, it grows in or out of doors without coaxing. It is graceful, fragrant, colorful. Rose lovers everywhere plant Dingee rose bushes. They are strong and sturdy—pot grown—on their own roots. Plant them any time, anywhere. Beautiful new varieties and all the old favorites. Safe delivery guaranteed anywhere in U. S.

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will help you in planning your garden. Completely illustrated. Describes over 500 varieties of roses, plants, bulbs and seeds and tells how to grow them. It gives you the lifetime study and experience of the oldest and leading rose growers in America for 76 years. Contains practical information for the amateur. Limited edition. 70 greenhouses. Established 1850.

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Inexpensive
to KILL WEEDS**

Weeds and all pernicious vegetation, especially ivy, may be killed easily as watering your garden, by the use of

**ATLAS
NON-POISONOUS
WEED KILLER**

Requires less water and more weeds than poisonous chemicals.

Enjoy the privilege of marred beauty in the lands of your grounds, by applying Atlas Non-Poisonous Weed Killer to noxious plants. Will not stain clothing, footwear or cement walks.

One gallon effectively treats 500 square feet of vegetative surface. Quart, gallon, and fifty gallon cans.

If your seedsman or garden supply house cannot supply, send us his address.

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Houston, Texas
Palo Alto, California
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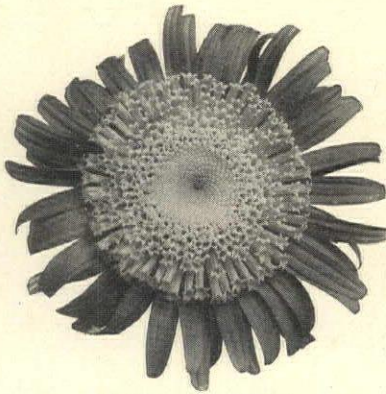
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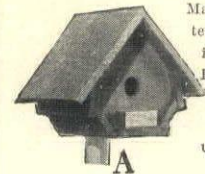


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A

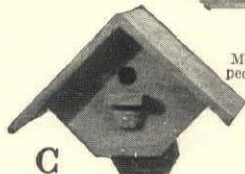
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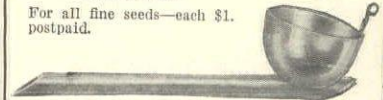
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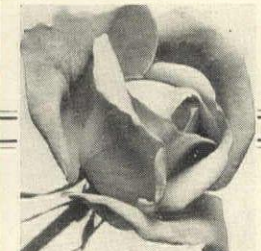
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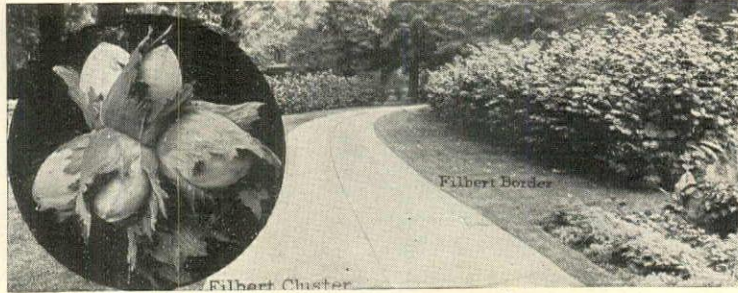


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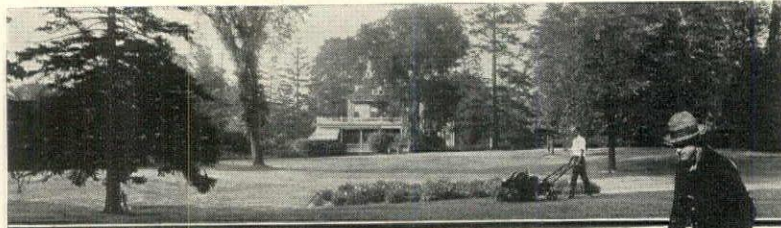
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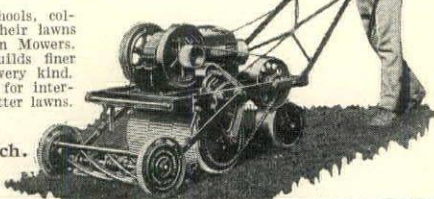
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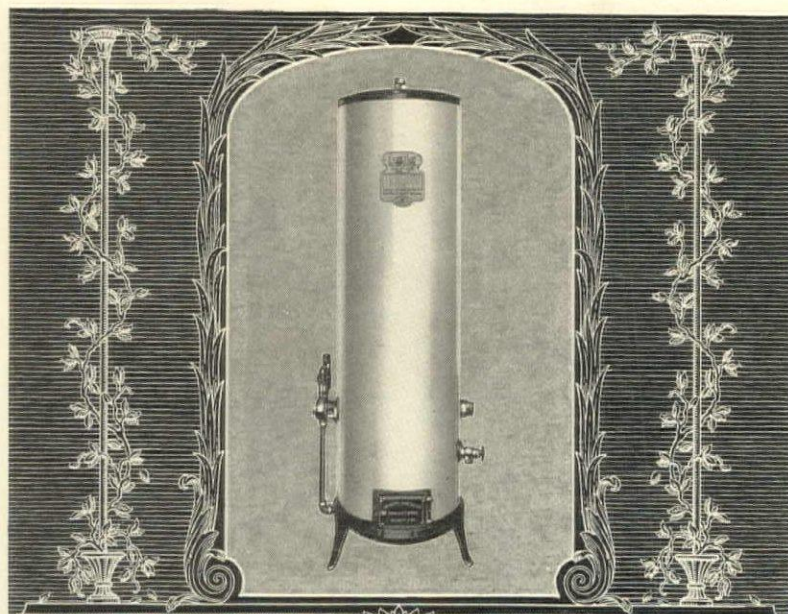
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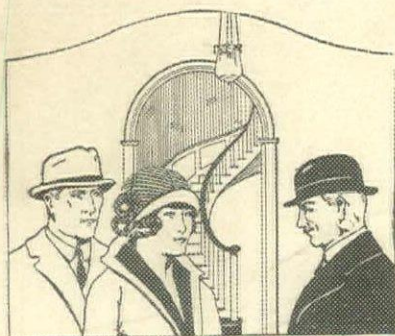
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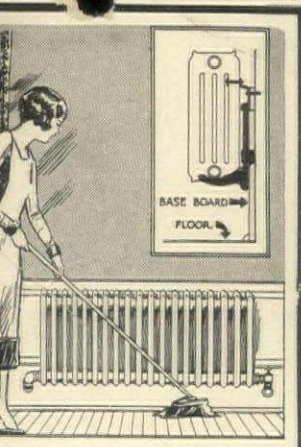
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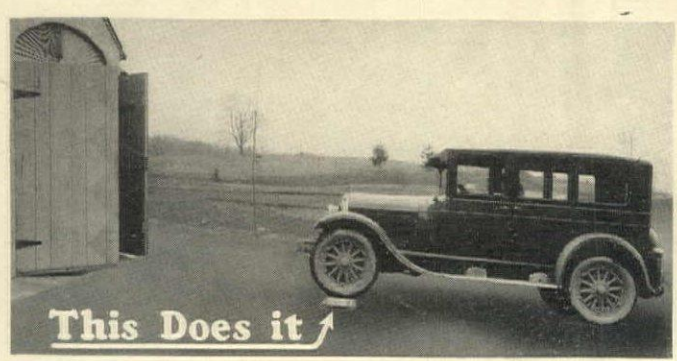


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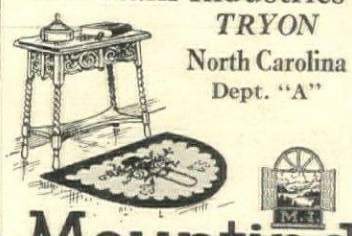
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