# HOUSE ©̌ GARDEN 




## Make a "fairy-tale" of Winter <br> Cold, shivering weather outside, the same bitterness

 of winter that the early Pilgrims knew. Within, under the spell of radiator comfort, a little child raises her eyes, big with wondrous imaginings, from the magic page-for grim winter is to her a fairy-tale.In the home heated uniformly by IDEAL Boilers and AMERICAN Radiators children of today may play or study anywhere, without fear of drafts or chill spots.
Whether or not your home has a cellar, no matter what its size or exposure, there is a kind and size of IDEAL Boiler which will heat it
perfectly-burning hard or soft coal, coke, oil, gas or wood, whichever is most cheaply available.
You can make a "fairy-tale" of winter-you can change your house into a home-by 'phoning your dealer today for free estimate on IDEAL Boilers and AMERICAN Radiators.

Our name cast on each IDEAL Boiler and AMER. ICAN Radiator is your guarantee. Install and enjoy at once-take ten months to pay. Catalog free. Address Dept. B, 1807 Elmwood Avenue, Buffalo, New York.

## 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,

Denver, Kansas City, San Francisco, Los Angeles, Seattle, Toronto, London, Paris, Milan, Brussels, Berlin

[^0]

Tuxedo Park Golf Club, Tuxedo Park, N. Y. Bishopric swas specified by Kenneth M. Murchison, Architect.

## THE SWING TO COLORED STUCCO

## Everywhere builders are securing this rich beauty and enduring strength at low cost

Note the increasing number of colored stucco homes in every neighborhood.
The charm of its warm colors and interesting textures is winning builders everywhere to this beautiful material.

And now you can give your home this charm, with great strength and durability of construction, at framehouse cost.

Bishopric has made it possible.
Bishopric is a unit-wall construction. It consists of (1) a patented reinforcing base, (2) a stucco, and (3) an attractive color finish.

All three materials are designed and made to be used together. They combine to form a unit-wall-as opposed to a wall made from miscellaneous materials mixed together.

The result is a coherence and strength of construction obtainable only with Bishopric. The diagram at


THIS IS THE UNIT-WALL Itsinsulating reinforcement is Bishopric Base, nailed fast to the studdings. Bishopric Base consists of finest quality fibre-board (with felt for insulation), heavily coated with asphalt mastic. Into this, bone dry creosoted wood bars are embedded under great pressure. Bishopric Base comes complete to the job and can be applied by one man. Its special insulation keeps the house warmer in winter and cooler in summer.
Over this base is applied Bishopric Stucco, locking into the grooves provided by the Bishopric Base and forming a complete wall unit. Note how stucco and base lock together.
Bishopric Stucco is mixed in exact, scientifically determined proportions and is shipped in air-tight metal drums.
Finally, Bishopric Sunfast Finish is applied, adding the charm of lovely color. There are many attractive tints for the home-builder to choose from.
the left illustrates why this is so.
Bishopric is also economical. The reinforcing base may be applied directly to studdings, producing a stronger, warmer wall than sheathing, metal base, and stucco- and the cost is less.

Bishopric Stucco is also applied with excellent results over hollow tile, concrete blocks, and similar materials.

## Send for New Booklet

Our new deluxe booklet, "The Renaissance of Colored Stucco," contains page after page of valuable information and interesting suggestions. Fully illustrated in color. Before you make further plans send for this authoritative and helpful book. Enclose 10 cents with coupon below.

The BISHOPRRIC MANUFACTURING ©
The BISHOPRIC MFG, CCO OF CALIFORNIA 209 Este Avenue, Cincinnati, O.
 or wrapped coin) for which please send me your new booklet, "The Renaissance of Colored Stucco."

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TTHE rise of the brown shoe is phenomenal; its success established. The return of black, long expected, has come with a rush. The woman who isn't supplied with shoes of both brown and black will have to acknowledge herself uninterested in clothes.

With tweeds, coats trimmed with brown fur, afternoon dresses in brown, red, redbrown or green - brown shoes. With blue, with black broadcloth and silver fox, with black afternoon frocks-black shoes.


Vici Rosette-a delicately lovely rose brown, ideal for the afternoon shoe to be worn with the lighter browns and reds.
Vici Cinna-slightly darker than Rosette.
Vict Polo-a warm golden brown.


Look for the Vici Lucky Horseshoe stamped inside your shoes. An assurance of colour, quality - and your own smart taste.


Vici Cochin-a darker tone in the same rich brown scale.
Vici Walnut-a deep true brown, the best possible tone to combine with Chanel red and the darker brown furs.

Vici Black (mat or glacé finish)-the solution of the black shoe problem, alone or touched with contrast in colour or leather.

ROBERT H. FOERDERER, Inc.
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## VICl kid



N admiring the added attractiveness which International Metal Casements and leaded glass give to both the interior and exterior of a residence, one should not overlook their many practical advantages.

International Metal Casements are made by skilled workmen using only the best of materials, and employing much hand labor. Sash and frame are carefully fitted at every point in order to meet the guarantee of being weatherproof; they do not warp or sag and, as they cannot stick, are easily opened and closed; they may be cleaned on both sides from within the room; they permit perfect lighting and draftless ventilation at all times, and may be set at any angle desired. With almost no cost for maintenance they will last indefinitely.

Casements in standard shapes and sizes with leaded glass are kept in stock, while special shapes and sizes are, of course, made to order.


I E shall be pleased request a copy of our illustrated booklet The Window Artistic which gives many interesting suggestions regarding the interior and exterior treatment of windows.

# INTERNATIONAL CASEMENT Co ${ }^{\mathrm{Ne}}$ 

JAMESTOWN, NEW YORK

## Build The Nation Securely With



SOMEWHERE among the dreams and visions that you cherish, there's a little house that's waiting to be built. Let the building of it be adventure - or romance, if you will-but as you plan, use care in selecting your materials. Choosenot the cheapest-but those in which you see a proper balance between price and quality, together with an assurance of satisfaction for the future.

## Important Facts About Indiana Limestone

You can build a stone house for only 5 or $6 \%$ more than the same house would cost if built of brick, by using roughsawed (9lin (6uthir Indiana Limestone as a 4 inch thick facing over stud frame construction, or a backing of brick or hollow tile. If a brick house costs $\$ 10,000$, the additional cost for stone will be only $\$ 500$, which should not be prohibitive when an unusually attractive and permanent home is desired.

Indiana Limestone is used for many of the finest residences in the United States by those who require the best materials available. It is also used for attrac tive little bungalows and more modest homes where costs must be considered. In the latter case, the stone used for veneering purposes is the rough-sawed (1) M (Guthit variety. This may be obtained direct from the quarries in the Belford and Bloomington, Indiana, district or from local cut stone contractors in almost every city in the country.

## (1)II (buthir Indiana Limestone

is the grade of stone which embraces the widest range of variation in color-tone and texture. It includes many shades of gray and buff, and shows a radical variation in texture, all of which aff ords architects and builders an excellent opportunity to produce something different from the one-tone plaster or paint effects for exterior walls.

A folder containing descriptions and floor plans of five Indiana Limestonc bunngalows will be sent free, upon request. Or our Port jolio of House Designs, containing descriptions and floor plans of sixtecn moderat-sized housses designed to be built of lindiana Limestone, will be sent upon reccipt
of $50 c$. The coupon below is for your use in ind

## INDIANA LIMESTONE COMPANY <br> Box 782, Bedford, Indiana

## INDIANA LIMESTONE COMPANY <br> Box 782, Bedford, Indiana

Kindly send me:
$\square$ Your folder illustrating Indiana Limestone bungalows, without charge.
$\square$ Your Portfolio of House Designs, for which I enclose 50c.
name.
ADDRESS


STUDENTS OF FASHION

THERE was a confusion of girlish voices, shrill greetings and enthusiastic embraces as the girls met in Marie's room on their return from the summer holidays.
"Marie, Darling," called Jane, "aren't you glad to sec us? You've been whispering to Peggy and haven't paid us a mite of attention."

Marie swung around, still holding the dainty pump she had lifted from her bag.
"You wouldn't be interested, angel," she said
"You have a foot like Trilby and it needs no flattering "Yes," added Peggy, "Marie has discovered a pur which simply makes one's foot look as though it shou rest on a velvet cushion in a jeweler's window and you no idea what that means to us!"
"Why, it's a Pedemode!" exclaimed Jane as she glanc at it. "I've been wearing them ever since you've kno me-my foot's no more Trilby-like than yours until slips itself inside a Pedemode!"


Most effective is the reptilc saddlc on this patent leather model.

## Pedemode Shoes for Women



The Pedemode Shops

NEW YORK
CHICAGO
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DETROIT

570 FIFTH AVE. 76 E. MADISON ST. 360 BOYLSTON ST. I708 EUCLID AVE. I235 WASHINGTON BLVD

[^1]Knight Shoe Co. Seymour Sycle Walker Bros. D-G Co City of Paris D-G Co. Davenp't Hotel Sport Stix, Baer \& Fuller Co Lauber's

( 5 EWLY assembled, just

0 taken from their interesting wrappings. Strikingly beautiful fabrics from the Old World, brought to lend their loveliness to New World homes. From France and Italy: rich, gleaming damasks, in designs patterned after rare old pieces; tapestries, heavy and sumptuous, gleaming after rare in deld pieces;
in which threads of silk and linen make brocaded patterns of regal beauty. From Turin: exquisite brocades, made entirely by hand, and fine reproductions of old Venetian fabrics. A versatile collection of rarely lovely materials to interpret any decorative scheme: for draperies, hangings, furniture coverings and screens.

## MACY'S



## 1926 plumbing costs forbid 1906 methods

Back in 1906, houses generally ran plumbing pipes in the open. Pipe repairs were a small matter. Temporary pipe did well enough.

But times have changed. Today pipe is concealed. It is buried beneath beautiful tiling and smooth plaster, a costly covering.

The labor which puts the piping there has likewise grown costly. The American plumber is highly skilled and highly productive. His wages, like other wages, have gone up in the last 20 years.

Of course, it is blind economy
to have this high priced labor install behind this high priced concealment a cheap, temporary pipe. One single repair will cost you more than the difference between temporary iron pipe and permanent brass pipe.

To be safe, specify Alpha Brass Pipe. Alpha pipe is made from a special brass alloy which makes tighter connections and resists any sort of corrosive water. Yet, it costs no more. You can identify it by the Alpha trade mark stamped twice on each length.



The new Valve-in-Head Engine in the 1927 Buick is so quiet, so smooth, so vibrationless at all points on the speedometer, that it hardly seems to be in the same car with you. , , ,

## [HE GREATESTBUSEVER BUILT




Here, in these new creations by Wurlitzer Master Craftsmen is beaut and richness of design as pleasing to theeye as the marvelous Wurlitze tone-quality is to the ear. The wide range of models, fifteen differer authentic periods in all, assures a choice which will complete an artisti harmony in the home, regardless of what the decorative theme may b

One of the most satisfying factorsin thepurchase of a Wurlitzer Gran Piano is the knowledge that back of it is the prestige ofover 200year leadership in the production of finemusical instruments. When onehear its matchless tone and learns of theamazingly low prices, $\$ 875$ andu there is little else to do but select the period style best suited to the hom

The piano illustrated hereis one of the new carvings after themanne of the Spanish Renaissance.Great decorators who have seenit,pronounc it a masterpiece of this ancient art, giving particular note to its rich ness of design. Before you purchase apiano, consider well the advantage of having inyour home the finest possible expression of both art and musi



In one of the seven Early American Rooms on the Seventh Floor
our Department of luterior Decoration created thus charming 18th Century setting.

## The personality of your home depends upon

## its harmony of decoration

The harmonious room today is one that fuses the art of many peoples, the charm of many lands. And it is for justsuchroomsthatour representative has scoured the markets of Europe, bringing back a wealth of decorative accessories from the Old World. Gay hand-blocked linens from

England. Antique brocades and cut velvets from Milan. Modernistic lamps and brasses from Vienna. Colorful damasks from France. These tell of the varied collection you will find here. These invite you to begin your decorating plans for Fall in the Department of Interior Decoration.

## Lord E Taylor

Becreating The spikit e akt of the EARLY SILVERSMITHS


ALL the knowledge and skill of past masters of silver art went into the designing of the Antique pattern. Only one ideal was held: to produce a perfect example of modern workmanship to match the exquisite, simpler trends in furniture, glass, materials and china which govern the decorative schemes of today.
This Wallace creation velies upon the use of the heavy metal without mount or decoration for its success. Its delicate, graceful shape, its massive weight, its magnificent velvety surfaces, all proclaim the Antique a triumph of modern silver.
Orders may be given any fine jewele for the articles shown on these two pages and for all other needs in both flat silver and in hollowware in the Antique pattern. Address R. TWallace \& Sons, Mfg. Go., TWallingford, Gonn., should you be unable to buy them in your town.
Antique Teaspoons are 813.50 in sets of six, Forks $\$ 25.50$ and Knives $\$ 22.50$. The Vegetable Dish is $\$ 50$, the usefful Bowl $\$ 85$ and the Entree Dish $\$ 100$. The Tea Set of 3 pieces with waiter, $\$ 333$, or without the waiter \$233.

## W

ALLACI


The home of Mrs. S. Thruston Ballard, wife of the late LieutenantGovernor of Kentucky, at Glenview, Kentucky.

## [ERE IS UNVARYING, AUTOMATIC HEAT-COMFORT

## —WITHOUT NOISE!

Here, at last, is an oil burner that is really noiseless. The Quiet May never disturbs you. In addition, it brings you all the advantages that you would ordinarily expect in a perfected oil heating system: it heats every room in your home evenly and efficiently-without the dirt and worry of a coal furnace.

SO SIMPLE and commonplace an act as breathing explains why the May is quiet. If you purse your lips and blow air through them, you whistle. If you open your mouth wide and slowly breathe out the same amount of air, you don't make a sound. This is the Quiet May principle of supplying the required amount of air to produce noiseless combustion of the oil.

The Quiet May is safe. It is listed as standard by the National Board of Fire Underwriters. It meets the requirements of all local fire regulations.

It is built sturdily, simply-with only two moving parts. Quiet May owners are

## Quiet May



The Quiet May can be secured with a down payment of only $\$ 50$, with no further payment until October. The balance will be extended over a period of twelve months. Prices for complete installations, ready to heat your home, range from $\$ 595 u p$.
trouble-free. It is completely automatic. Just set the thermostat for the temperature you desire, and see that your oil man fills the tank regularly. Every room will be kept at the exact temperature you wish-without the slightest effort on your part.
The Quiet May rids your basement of
the grime and ashes of a coal furnace. It makes it a clean and livable room - a room that you can convert into a billiard room, or a playroom for your children.

The time to settle your heat-problems for next winter-and all other wintersis now! Our special payment plan puts the Quiet May within the immediate reach of every home-owner. You can install the Quiet May with your present heating system. Let us give you complete information. But don't hesitate. Send in the coupon today! Address May Oil Burner Corporation. Factory and Main Offices, Baltimore, Maryland. Branch Offices, 331 Madison Ave., New York; 1020 Commonwealth Ave., Boston; 2401 Chestnut St., Philadelphia; 503 Security Bldg., St. Louis.

## Installed for $\$ 50$ down

MORE THAN A YEAR TO PAY THE BALANCE

# Here is lasting beauty for your window 



1. Quaker Net before washing

2. Quaker Net after one washing

3. Woven fabric before washing

4. Woven fabric after one washin

What good is it to select beautiful, transparent curtains if they lose their beauty and transparency at the first washing?
Look at the demonstration above. Figure 1 is a sample of Quaker Filet Net before washing. Figure 2 is the same net after it has been washed. Note that the net is as open after washing as before. That's because of the long staple threads used in its construction. Note that each individual square retains its symmetry. That's because in the "netted" construction of Quaker Nets each cross thread is firmly tied to each upright one, so that it cannot slip or get out of shape like a woven fabric.

Now look at Figure 3, a piece of woven fabric before washing. Compare this with Figure 4, the same piece after a simple laundering. Notice how the threads have spread and shrunk and lost symmetry until what transparency the fabric originally had is gone,together with its value or beauty as a curtain. The test was made after one washing. The fabric would lose more and more transparency after each washing.

These are not our tests. They were made by the Electrical Testing Laboratories. Their report shows that after washing Quaker Nets distribute $24 \%$ more light than the woven fabric.

This demonstrates why home-makers who insist on Quaker Net Curtains are justly proud of their windows not only the first season, but until the curtains are actually worn out

Plain or Fancy by Yard or Pair
You can get Quaker Net Curtains as plain or as fancy as your taste or your home demands. You can get them with large meshes or small, as you desire. You can buy them by the yard or as made-up curtains as your choice dictates. But whatever way you buy them you are sure that their beauty will last until the curtains are worn out.

Send 10c to Dept. D for a copy of our new booklet "Correct Curtains"

Wholesale Salesrooms
330 Fifth Avenue, New York

C.

OLORFULLY recreates the romantic atmosphere 12 117 th Century Spain. Richly carved in true Spanish fashion, with finely wrought iron stretchers supporting the splayed legs of the draw-top table and sideboard.
. . . . Developed thruout in solid Walnut . . . . finished in water-proof lacquer . . . . in a waxed antique effect.
"The Puerta de la Iusticia (gate of judgment) is the principal entrance to the 1 . hambra . . . . built in 1348."-Calvert.

$0 \frac{4}{1}$"The Granada" is pictured in full detail in a special folder which will be mailed to
you, on $\sim$ request, together with the brochure, "Dining-Rooms of Distinction."


Horse Head Zinc gives you permanent, stainless sheet metal work at the lowest possible cost. In widespread use it is demonstrating to spread use it is demonstrating to
home owners the value of these outstanding qualities.

Zinc is a permanent material. It cannot rust. Leaders, gutters and roofing of Horse Head Zinc will last a lifetime without repair.

Zinc does not stain. It will
never mar the appearance of your home.

Its cost is low-lower than that of any other permanent metal. Figured over the period of its long life, Horse Head Zinc gives service which cannot be matched by any other metal.

Let us send you our booklet, "Once in a Lifetime" giving interesting facts about Horse Head Zinc.

## Z <br> \title{ i n <br> <br> <br> i n

 <br> <br> <br> i n} <br> <br> <br> i n}The New Jersey Zinc Company 160 Front Street . New York City . Zinc Company
New York City


## W <br> hen Indian summer

## days are come - when with gay

companions you saunter over the friendly fields —have a Camel!


No other cigarette in the world is like Camels. Camels contain the choicest Turkish and Domestic tobaccos. The Camel blend is the triumph of expert blenders. Even the Camel cigarette paper is the finest - made especially in France. Into this one brand of cigarettes is concentrated the experience and skill of the largest tobacco organization in the world.

WHEN Indian summer days are here. And the smoky haze lies over the fields. When the merry notes of the horn, sounding after the coach and four, remind you of other days-have a Camel!

For life is never so complete, so joyous as when a lighted Camel sends up its fragrant smoke. On city street or country road, in any season of the year, no other cigarette was ever so rich and fra-grant-so smooth and mellowy mild. When you become a Camel smoker, there's no end to your enjoyment, for they never tire the taste. All Camel days are happy days, for they never leave a cigaretty after-taste. Money doesn't enter into Camel enjoyment. No matter how much you are able or willing to pay, you'll never get choicer tobaccos, more superbly blended, than you get in Camels.
So, this perfect autumn day as your trail leads over the fields or along the turning road - as it seems that no other day or place could be so restful, so friendly-

Have a Camel!


Our highest wish, if you do not yet know Camel quality, is that you try them. We invite you to compare Camels with any other cigarette made at any price.
R. J. Reynolds Tobacco Company Winston-Salem, N.C.


20, $\begin{aligned} & \text { Radiola } 30 \text {, complete s575. For } \\ & \text { zse on } 50 \text { to } 60 \text { ccle, } 110 \text { volt } \\ & \text { A. C. lighting circuit. }\end{aligned}$

Indoors, they are dancing. Outdoors, heard through the open French windows, are the sounds of summer evening. Guests wander through the garden and back to dance, chatting gaily. Yet the music rings out clearly through the buzz of talk. With a Radiola 30 you have the full volume of a twenty piece orchestra, if you want it. It is the success of the weekend party!

Inside a fine cabinet, the unsurpassed eight tube Radiola super-heterodyne. The power speaker that cangiveyou,
 undistorted, almost any volume of music you can want. And a power supply de-
vice that does away with all batteries.

Plug in on the house current. Call in the station you want with a single finger's tuning. And add to the attraction of your home the music of orchestras that in past years played only in the great hotels-the singing of artists who once sang only on the concert stage. A Radiola 30 transports them to you-real! RADIO:CORPORATION•OF•AMERICA NEWYORK CHICACO SANFRANCISCO


## Various types can meet in harmony

$\mathbf{F}^{\text {OR the great informal living-room of the spacious }}$ 1 country house or the imposing city apartment a mingling of decorative features and furniture types is often indicated by the tastes and needs of the owners. Par exemple, in the hearthside grouping above, furniture breathing the influence of the Italian Renaissance, as well as that of "Merry England" itself, is combined in a happy meeting with a background and overmantle of Jacobean inspiration. The couch follows closely the lines of the famous "Knole Sofa," but is developed in old Italian velvet with embroidered appliques. The octagonal table reproduces the feeling of the old Italian original, in very spirit and patina, as well as in each considered detail . . . Many such groupings as these you will find at the Hampton Shops-each one not only a masterly display of the lovely Hampton Reproductions, but an inspiring suggestion for a corner in some home of distinction.

> Soly at the Hampton Shops can you purchase the beautiful Hampton Reproductions, whose mellow charm gives such distinction to all the lovely rooms created by the Hampton Decorators

Furriturre - Dretration - Entinues

## 18 Kast 50 年 Street, Disew York



## (T)

ATHOUGH the faucet has been opened wide, this iron water pipe delivers a trickling stream of discolored water. Rust-the inevitable enemy of iron and steel-has choked the pipe.

There is one sure way of avoiding this trouble
Secure an uninterrupted flow of clear water by installing Anaconda Brass Pipe. It cannot rust or clog with rust deposits. Its use insures a full flow of water from every faucet in the house as clear and pure as it enters the pipe.

This protection to the health and comfort of your family adds only about $\$ 75$ to the plumbing cost of the average \$15,000 house.

May we send you our interesting booklet "Ten Years Hence"?


Galvanized Iron Pipe


Anaconda Brass Pipe
AFTER FOUR YEARS OF IDENTICAL SERVICE

# The American Brass Company 

GENERAL OFFICES: WATERBURY, CONNECTICUT
Offices and Agencies in Principal Cities
Canadian Mill : ANACONDA AMERICAN BRASS LTD., New Toronto, Ont.

# Anaconda Brass Pipe 

Installed by Leading Plumbing Contractors

Send for these Booklets
"The Story of Brick" is an attractive booklet with beautiful illustrations of modern homes, and discusses such matters as Comparative Costs, Basic Requirements in Building, The Extravagance of Cheapness, and kindred subjects. Sent free.
"Face Brick Bungalow and Small House Plans" embrace 128 designs of Face Brick bungalows and small houses. These houses are unusual and distinctive in design, economical to build, and convenient in floor plan. Issued in four booklets, showing 3 to 4 room houses, 5 -room houses, 6 -room houses, and 7 to 8 -room houses. The entire set for one dollar; any one of the books, 25 cents. We can supply complete working drawings at nominal prices.
"The Home of Beauty" contains 50 designs of twostory six-room Face Brick houses, representing a wide variety of architectural styles and interior arrangements, selected from 350 designs submitted in a nation-wide Architectural Competition. Sent for 50 cents. Complete working drawings for these houses at nominal cost.
'The Home Fires," a most attractive fireplace book, with many designs, gives full directions for fireplace construction. Sent for 25 cents.
Address, American Face Brick Association, 1721 Peoples Life Building, Chicago, lllinois. phere that coincides so exactly with that of the Aero Radiator that they have become synonymous with each other.

The ever growing favor of Aero Radiators is based upon their merit alone. Their beautiful, graceful, slender lines and pleasing proportions harmonize with and become an integral part of every room. In company with a table, a chair and a lamp they take on new charm and beauty while serving as an additional artistic piece of furniture.

Yet with all this beauty Aero Radiators are not one whit less efficient. Nor is their cost more-they sell at the same standard sheet price as the old radiator types.

Ask your heating contractor or architect.

## National Radiator Company <br> JOHNSTOWN, PA.

 <br> \title{THE SUN PORCH <br> \title{
THE SUN PORCH <br> A sun porch in itself demands a light airy atmosphere-an atmos-
}


National Boilers will warm your home comfortably, evenly, dependably and economically. They burn
coal, oil or gas as a fuel.

Your copy of a book containing the complete series of these advertisements, which shows how Aero Radiators have been made an integral part of the furnishings, will be sent free upon request.


This fioor plan shows how the furniture was placed

## KENSINGTON FURNITURE

AWARDED GOLD MEDAL OF HONOR IN NATIVE INDUSTRIAL ART $39 T H$ ANNUAL EXHIBITION ARCHITECTURAL LEAGUE OF NEW YORK.


Sheraton Mahogany Miniature Sideboard, by Kensington

TfiE Sheraton style is found in its full flavour in the charming miniature sideboards of which our illustration is characteristic. For all their delicate proportions they are staunch pieces of furniture, wonderfully practical for service and in their arrangements for linens and silver

Adequate for the small dining room and much more appropriate than a larger piece, they also add a note
of distinction in an important dining room, used in pairs or in lieu of a conventional service table.

Our reproduction, made by hand throughout in the best possible manner, has all of the character and the decorative quality of the antique, and will suggest the distinctive character and the scope of Kensington designs.

Kensington Furniture is made in all the decorative stvles appropriate for American homes.

> The purciase of Kensington Furniture may be arranged through your decorator or furniture deaber

Write for illustrated Booklet $H$ and pampblet, "How Kensington Furniture Mav Be Purchased"

## (Cll their beauty with no added cost



## 

$\Upsilon$ ou will want Fenestra Steel Basement Windows to daylight the base-ment-to make it more useful. They admit 80 per cent more light than wood windows of the same size; afford better control of ventilation; open easily; and are weather-tight when closed.
At the new low prices their use is an absolute economy.

67ITH all their beauty, all their charm -Fenestra Casement Windows cost little if any more than ordinary windows.

Their small panes reflect an air of cordiality -a friendly sparkle that lifts these modern windows out of the commonplace. They reach out for days of sunshine-invite them in.

And it's no effort to open them, for
they're made of steel, never warp nor stick. They close tightly always. They're surprisingly easy to wash. Screens inside protect your draperies.
The home you've planned will be even more enjoyable than you expect it to be if you depend upon Fenestra to make every room light and airy.

# Fenestra homes and apartments schools and institutions commercial buildings all industrial structures 

All the wood parts of Curtis French doors are narrow and gracefully and delicately molded. These Curtis Doors C-321 are in the home of Mr. Leighton P. Stradley, School Lane and Oak Road, Germantown, Pa.; Albert F. Schenck, architect; The Gillingham Company, dealers.



When youl bave PERMANEN furniture in your dining alcove, lik Curtis design C-742 (shown below) you can make it harnonize with th color scheme of your kitchen becau. the seats and table come unpainted Pbotographed in the home of $M$, Frank J. Miller, 18 Norwood Ave. Albany, N. Y.; Blakeskee Lumbe Company, dealers.


Charming Interiors

C/UCH of the beauty that your new home will possess should already be there before a single piece of furniture is moved in or a single curtain hung.
Look for that beauty in the woodwork - the doors, windows, trim, stairway, built-in cabinetwork. If these permanent things are beautiful, then decorating and furnishing will be simple matters and a charming interior within the reach of even the most modest purse. But if your woodwork is not of good design, no amount of money lavished on furnishings and decoration can buy you a truly beautiful home.

Builders of the best houses have always realized that woodwork was part furniture and part house. That is why in the past they have always sought the aid of architects in designing doors, windows, trim, stairwork and cabinetwork, and why they have always had to have these things made-to-order.

Now people who wish to build beautiful homes need not pay the extra cost of made-to-order woodwork. They, with their architects, can select Curtis Woodwork designs that meet the most exacting architectural standards and that make the most interesting and beautiful decorative effects possible for even the most inexpensive house. Curtis designs are available in all architectural styles.

Yet in spite of the fact that Curtis designs are architecturally authentic, Curtis Woodwork actually costs no more than ordinary millwork. Very often it actually costs less when such on-the-job expense items as cutting and fitting and sanding are taken into account. Curtis Woodwork is economical because every item is produced in large quantities.
Since all Curtis Woodwork is manufactured in advance of your needs, confine your selections

Theyre easy to have when beauty is built-in

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The house shown here is on Grenway Road in Shaker Heights, Cleveland, Obio; Brooke \& Burrows, architects; Curtis casement windows are used throughout; StandardBuilding Materials Company, dealers.

The Curtis Companies Service Bureau 444 Curtis Building, Clinton, Iowa

Curtis Bros. \& Co., Clinton, Iowa; Curtis-Yale-Holland Minneapolis, Minnesota; Curtis \& Yale Co., Wausau, W isco Curtis Detroir Co., Detroir, Michigan; Curtis Sash \& Door Sioux City, Iowa; Curtis, Towle \& Paine Co., Lincoln, Nebr Curtis, Towle \& Paine Co., Topeka, Kansas; Curtis Door \& Co., Chicago, Illinois; Curtis Companies Inc., Eastern Office: 25 W. 44 th St., New York City.
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Early English architecture owes much to ile roofs. Their warm, permanent colors nd uneven surfaces impart a quaint efect of antiquity, famous the world over. For this style of architecture, and many thers-IMPERIAL Hand -made Shingle Ciles give the modern home this final ouch of distinction, even when new.

"The Roof" will be sent for 25 cents in coin or stamps to cover postage and handling. Address: Rom Ave, Chi S. M igan Ave., Chicago.

And you have the satisfaction of know ing that time will not affect your roof. It will outlast the dwelling-without a cent of cost for upkeep. Numerous, beautifully colored plates of distinctive tileroofed residences are in an elaborate brochure, "The Roof," which may give you helpful ideas for the home you plan to build.


## WILLS SAINTE CLAIRE



LAIN, blunt transportation can be purchased for less than Wills Sainte Claire. There are those, however, who demand and are willing to pay for a plus element called style. And these constitute the Wills Sainte Claire clientele-as they constitute Bendel's and Pierre's.

[^2]
"P'm sure of a perfect drive now-always out of the rough and on the fairway." "How's that?"
"Kelly-Spring field tires."


THE New Seeger, designed for Electrical Refrigeration, is exclusive in its many novel features, among them being: A Vegetable Storage Compartment that keeps vegetables fresh and full flavored; a Porcelain Defrosting Pan that eliminates the old style drainage; a Removable Porcelain baffle wall, for cleaning back of the cooling unit.

The Representatives of Electrical Refrigeration will be pleased to show and demonstrate the new Seeger.
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SEEGER REFRIGERATOR COMPANY
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REFRIGERATOR Standard of the American Home

## Why <br> does this funnel overflow?

THE answer is simple-"More water is flowing in at the top than can possibly flow out through the narrow neck of the funnel at the bottom."

But how does this kindergarten problem affect your comfort and purse? Because this simple illustration, applied to the field of HEATING, gives us an accurate answer to the important problem, "How to reduce the Cost of Heating."


## The neck of a funnel corresponds to the Fire Surface of a Boiler -

Only a certain amount of water can flow through the neck of a funnel in a given length of time. To let in more water than can pass through is waste. Just so, only so much heat can be absorbed by the fire surface of a boiler. If you liberate from your fuel more heat per minute than you have fire surface to absorb, the excess heat units go merrily up the chimney-a waste of expensive fuel. You need fire surface!
Enough fire surface properly rated gives a positive guarantee of heating economy
Not enough fire surface! That is a crime against your pocket-book and your comfort. That's why thousands now pay exorbitant heating bills. That's why thousands of houses are slow to heat on wint.r morn-
ings, and are never comfortably heated in exceptionally cold weather, no matter how much fuel is burned.

A boiler is a machine for extracting heat from fuel and delivering this heat into the rooms of your home where you can enjoy it. If it is to accomplish this satisfactorily and at low cost, it must have plenty of Fire Surface and must be properly rated. Otherwise, it wastes heat up the chimney.

## Plentiful heat at low cost

The H. B. Smith Company was the Pioneer of the boiler industry. For over sixty years we have been engaged, not only in manufacturing, but also in the scientific investigation of what it is that makes a boiler efficient. The plentiful volume of heat, together with low cost of operation, enjoyed by owners of our boilers,
shows that we have found the true principle of efficiency.
There are men today using boilers that we made for their grandfathers. These boilers are still operating perfectly and still saving money. Saving enough in their lifetime to pay for the original cost of the house.

Send for a free copy of our book Send us the coupon below and with no obligation on your part, we will gladly mail you a copy of our 32-page book, "Guaranteed Heating Satisfaction at Minimum Cost." It contains the A. B. C.'s of boiler efficiency; the scientific basis of low cost and easy operation, which your architect, engineer, or heating contractor can help you apply to your own needs. Address The H. B. Smith Company, Dept. K6, Westfield, Mass.

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SEE what a barrier the Higgin All-Metal Weatherstrip presents to air currents. The metal strip that rises from the window frame is hugged by the metal insert in the window sash. Thus a draft, before it could enter the room, would have to penetrate this snug metal-to-metal contact.
As a matter of fact, drafts do not so penetrate. People whose windows are equipped with the Higgin All-Metal Weatherstrip will vouch for this. In their comfortable homes heating is no longer the troublesome problem that it used to be.
Many people who at one time put the blame for poor heating on their furnaces ultimately learned to diagnose and to remedy the defect elsewhere - at their windows.
To install Higgin All-Metal Weatherstrips is to save many a fuel dollar, incidentally covering the cost of the installation, and, what is most to be desired, making the heating system in your home a cozy reality.
Ask your architect or write for an estimate and the two books illustrated. There is a Higgin service man in every principal city. Look for "Higgin" in your telephone directory.

THE HIGGIN MANUFACTURING COMPANY Newport, Kentucky

Toronto, Canada


# Piercing Cold Beating Heat 

LONGER need you put up with bake-oven rooms in summer and cold s , draughts and wasted fuel in winter! amazing heat-stopping lumber now s even, comfortable temperatures all 'round.
summer, it stands between the scorcheat of the sun and the refreshing er of the rooms inside. In winter, it Is between the cozy warmth of your and the biting cold.
marks the end of dangerous draughts lampness . . . of wasted fuel.
wonder home owners everywhere have ly accepted it! That more than 90,000 ies have built this modern way in five years. That architects and other ing authorities urge its use.
is modern lumber is Celotex . . . proto meet the great need for a building rial that would resist the passage of and cold better than wood lumber, nry and other wall and roof materials. lotex Insulating Lumber is not cut trees. It is manufactured from the tough fibres of cane. Celotex is stronger alls than wood lumber because of the bracing strength of the broad Celotex ds. It is many times better as insu-

# This amazing lumber builds against them and actually saves money 

lation. Wind and moisture can not penetrate it. It quiets noise.

Another reason for the tremendous success of Celotex is the economy it brings. Unlike ordinary insulation, Celotex is not an extra item in building.

Actually saves money. It replaces wood lumber as sheathing (see the illustrations), eliminates building paper, gives greater wall strength and adds the insulation needed back of wood, brick and stucco exteriors at no extra cost.
Under plaster, replacing lath, Celotex

OW CELOTEX IS USED IN BOTH OLD AND NEW HOUSES


AS SHEATHING clotex supplies the insuation needed back of brick, replaces the toukh boards prmerly used, gives grealer trength to the house walls makes building paper unnecessary.


UNDER PLASTER $O_{n}$ inside walls and ceilings, plaster is applied directly to
the surface of Celotex. This eliminatesthe use of lath and givesstronger, insulated walls: Less apt to crack and free
from lath-marks.


IN THE ROOF Most heat beats into houses through roofs in summer, causing hot attics. Most heat cuinter, causing high fuelbills. Celotex applied over or under roof raflers gioes the needed protection. For best results


FOR OLD HOUSES In homes already built, a big measure of Celotex comfort
and economy may be sefurd and economy may be secured
by lining attics and base ments with ith. In the attic ant extra finished room can bo made by nailing Celotex to the roof rafters. In the base
costs a few cents more per yard at first, but is a great economy. It means less upkeep expense because of no lath-marks . . . fewer cracks.

With Celotex in the walls and in the ceilings or roof of your house a smaller, less expensive heating plant and smaller radiators will keep you comfortable. And year after year, Celotex will save from $25 \%$ to $35 \%$ of your fuel bill!

NEw comport for old homes. In houses already built, a big measure of this comfort and economy is being secured by lining attics and basements with Celotex. That helps a lot and costs but little.
Jook ahead! Now that Celotex has made 1 insulation practical, the authorities say heat-leaking houses are becoming obsolete: harder to sell, rent or borrow money on.
Ask your architect, contractor or lumber dealer to tell you more about Celotex. All lumber dealers can supply it.

Also ask about the $\$ 200.00$ Celotex bond, issued on every Celotex-insulated house. Meanwhile, send for the free Celotex Building Book. Just mail the coupon below.
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[^3]

YOU CAN OUTLAW THE DIRTY FURNACE ROOM

## Heat Your Home with Gas

More and more home owners, each year, in communities in all parts of the country, are taking advantage of the special house-heating rates granted by most gas companies and are "letting the pup be furnace man."

Gas, when burned with the high efficiency secured through a modern house-heating plant designed for the purpose, is well within reach of the majority of home owners.

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A carefully compiled booklet of gas heating information will be gladly sent you. See if there is a Bryant branch office listed in your local 'phone book; if not, write us here at Cleveland.

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## Every wom should knd that $\&$

-with gas, you merely dust furnace room

-with gas, the furnace room comes an effectivedrying roon

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-with gas, the greatest sir source of trouble connected $n$ your year's house-keeping transformed into a real luxur

-with gas, you'll have a happ and more contented husb and be a lot happier yourself

REMEMBER the other morning when you picked up that safety razor blade which you had neglected to wipe dry? Remember the rust spots on it? That shows you how quickly just a few drops of water will cause steel to corrode. You would hardly select that material for your water pipes, would you?
Yet, on account of false ideas of economy, thousands of feet of steel pipe are used every year. Some people learn only after an unfortunate experience with a succession of leaks, ruined wall paper, plaster and furniture, that wrought iron is the one really economical pipe material.
As Mr. F. G. Lemke, Supervising Engineer of the Bellevue Hospital, New York, puts it: "I figure that the use of Genuine Wrought Iron Pipe has saved us 75 per cent in repairs. Even aside from this, the 300 per cent longer life of wrought iron over steel pipe easily makes up for wrought iron's greater initial cost."
Ask any architect, builder or engineer about the high resistance to corrosion shown by Reading Genuine Wrought Iron Pipe. The only truly economical pipe is one which will outlast the building.

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## READING PIPE



WE cannot all be life-guards or Olympic champions. But no less than they, we need to store up our energies against our moments of action . . . Business appointment, social engagement, shopping, sport-one activity follows another in quick succession. The intervals between are all too brief. The more reason, then, for using to the utmost all these rest opportunities - many of them while motoring from one activity to another.
Are your countless motoring hours really restful? Can you relax in your car and store up precious energy, or does tension tire you out? In a Stabilated car, every minute is a restoring minute. You know there can be no sudden, violent thrust of spring recoil to disturb you. Confidence replaces tension. You relax and rest.
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## WATSON Stabllators

[^4]



NELSON MASTER SLAB R(1)FSS
 frigid temperature of ter as well as the sizzling heat of summer. A year ago today we moved into our new at River Forest, Illinois, which is lined a Armstrong's Corkboard," writes Mrs. I C. Stagg, River Forest, Ill.
During the extreme heat last summer our e was very cool, even when it was alt unbearable outside. On the second $r$, our bedrooms were always comfort, and our rest was not disturbed by the . Friends and neighbors who visited us a time to time remarked how cool our se was and how hot and uncomfortable r homes were compared to ours.
Last winter, our experience was just as factory-thanks to Armstrong's Corkrd. We have been burning oil since Octo22nd of last year and to date have used gallons, while one of our neighbors, ose house is about the same size, has used gallons-a difference of nearly $38 \%$. We e no trouble whatever in keeping comable and believe cork insulation is the t satisfactory and economical in the long We gladly recommend it to anyone." Irs. Stagg's experience is being duplid in cork-insulated houses all over the ntry. Armstrong's Corkboard so effectustops the passage of heat through walls roof that "heat leakage" is reduced to ctically nothing. In winter, the heat is in by this heat-tight lining, making the
plied in adequate thickness in a single layer. In most cases, $11 / 2$ inches on the exterior walls and 2 inches under the roof is the most economical thickness.

The ease with which corkboard can be erected, either in a frame house
house easy to keep uniformly warm and comfortable. Every shovelful of coal, every cubic foot of gas or every gallon of oil you use in your furnace is made to do its full measure of duty in keeping your house warm. Most of the fuel ordinarily wasted by heat-leakage through uninsulated walls and roof is saved. In a very few winters you will save enough in fuel alone to pay the cost of insulating with Armstrong's Corkboard.
In summer the cork-lined house is much cooler and more comfortable. Just as Armstrong's Corkboard keeps heat out of the best makes of refrigerators, so it keeps heat out of your home. Direct heat of the sun cannot penetrate cork. Even the attic, up under the roof, usually the hottest place in the house, will be just as cool as the lower floors if the roof is insulated with Armstrong's Corkboard.

Armstrong's Corkboard is easily the most effective and practicable house insulation material-and the most economical in the long run. It comes in boards 12 by 32 or 36 inches, which can be ap-


Armstrong's Corkboard, I $1 / 2$ inches thick, was nailed to the studding in the Stagg home, and 2 inches thick to the rafters. Plaster was applied directly to the corkboard, making a perfect finish. or against masonry walls is a distinct advantage. Corkboard is nailed to the studding and rafters in a frame house, or laid in a backing of Portland cement against hollow tile, brick or stone.
Armstrong's Corkboard makes an ideal base for house plaster. The plaster is applied directly to the corkboard without lath or furring strips, making a permanent bond and a perfect finish.
If you are planning to build a new home, remodel your present home, or finish the attic, ask your architect about Armstrong's Corkboard and mail the coupon below for a $32-$ page booklet which tells the whole interesting story of corkboard house insulation. Address Armstrong Cork \& Insulation Company (Division of Armstrong Cork Company), 193 Twenty-fourth Street, Pittsburgh, Pa. McGill Building, Montreal, Quebec, Armstrong Cork Company, Ltd., Sardinia House, Kingsway, London, W.C. 2, England. Branches in the principal cities.

## Armstrong's Corkboard Insulation <br> A Heatproof Lining for Walls and Roof

Armstrong Cork \& Insulation Company, 193 TWENTY-FOURTH ST., PITTSBURGH, PA. of MC GILL BLDG., MONTREAL, QUEBEC
$G^{\text {Entlemen-You may send me complete information about }}$ I the insulation of divellings with Armstrong's Corkboard
$\qquad$
$\qquad$

## The

## $\mathscr{A}$ Madbury Lavatory <br> \section*{$y$}

-a type for your
particular bathroom


## OWho Exphected to Bieakfast in Comfoit

 in the Éaily 80 º?In the early eighties there was some excuse for a cold house in the morning. Manual regulation of the heating plant was a necessity those days. But in the middle eighties standards of heating changed with the invention of the Minneapolis Heat Regulator. Today the highly developed Minneapolis not only keeps the temperature uniform but provides other important advantages through clock control. The Minneapolis clock starts your day with a smile. Out of bed - into a room of cozy warmth, no chills up and down your back. The first morning it's a revelation. You step into the living room, look at the thermometer on the thermostat and behold-it's 70 degrees on a sub-zero morning. Yet you never touched the fire. The clock raised the thermostat indicator, opening the drafts for you.
All day long the temperature never varies. At night, retiring time, the clock automatically lowers the thermostat indicator, checking the fire for comfortable sleeping. Saves fuel.
The new Minneapolis" 77 " 8-day clock thermostat is a distinct achievement. The jeweled clock is remarkably simple and dependably accurate. Built complete by Minneapolis craftsmen. Choose the Minneapolis for your heating system, whether it burns coal, coke, oil or gas. The leading oil burner manufacturers have adopted the Minneapolis as standard equipment. Write us for their names, judge for yourself. Mail the coupon for full information.

The Minneapolis Heat Regulator is sold and installed by a nation-wvide organization with branch offices in principal cities and experienced dealers in almost every community. Branch and distributing offices: New York, Chicago, Philadelphia, Boston, Detroit, Cleveland, St. Louis, Cincinnati, Milwaukee, Pittsburgh, Baltimore, Washington, D. C., Buffalo, Syracuse, St. Paul, Kansas City, Omaha, Denver, Portland, Oregon, Seattle and Hartford, Conn.

## The"MINNEAPOLIS" fheat Regulator for coal-GAs-oI/

# Why Don't They Stay at Home 



Here's a hall that says welcome-cheer-peace. If you could go upstairs you'd be just as pleased-or into the living room where the fire burns. . . . Such pictures as this are on coery page of House © Garden.

House \& Garden, 19 W est 44th St., New York City Send me the next TWELVE issues of House \& Garden, beginning at once. I inclose my cheque (money order) for $\$ 3.50$.

Name.
Address.

NTHAT'S the matter-all out again? Jazz? The movies? The ca Prohibition? No, not quite. Fact is-if there isn't something unique at home that they can't find it anywhere else, they'll always be the go today.
Look at the hall in the picture, with that lovely curving stairway purri) up from the good old pine floor past the walls, all creamy soft-ton plaster. Look at the gay hooked rug-a garden posed on satin board Look at the flowers-there are always some right there, whatever $t$ season gives. Doesn't it welcome you-this hall? The grandfathe clock doesn't tick many hours when they aren't there-it's a pleasa place to be-all the rooms as nice as this.
But it didn't happen: it was planned. All homes that keep their own a add the crowd . . . are planned to do just that. Why not try House Garden, the magazine of such homes, as a cure for those latch-key blue

## Try the next 12 issues of House \& Garden

The first 6 of the 12 you reccive are listed below

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## Autumn Planting

October
Here's where you get spring beauty-in autumn work. Nature can't be rushed; but all these wise old garden experts will tell you how to coax her. Things for the house, too -just those little tremendously important things you never think of till you sce them.

## House Planning

## November

Are you still in an apartment, or a rented house, or a hand-me-down house you didn't build yourself? Here are all the houses of your dreams-big ones, little ones-with plans. Interiors, too. And garden articles about violets and rhododendrons!

Christmas House

## Number

## December

Pages and pages of Christmas gifts-not the kind you groan over buying and sniff over getting-but unusual things, unusually inexpensive considering their quality. Ways to dress the tree and trim the house, too. The Christmas Spirit Itself, between gay covers.

Annual Building Number

Janu
an issuc as practical as a foot Walls and windows and doors-floors fireplaces and plumbing-how to get right architect and keep him having br ideas. This is the number when the house comes alive.

## Furniture Number

Febru
All that's lovely in the old-all that's $n$ in the new. How to place furniture, to backgrounds, groupings, accessories, cold There isn't a page that doesn't say ten th to the intelligent reader-and at least tw the ten will be sure to fit your case.

## Gardening Guide

Ma
The recipe for a garden you'll love to at, live in, show to your friends, lies in issuc-worked out by experts with year experience, carloads of imagination, and finite patience to answer letters if you to write the Information Service about own problems . . . why not?

## \$3.50* Invested in House \& Garden

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## A <br> sensational discovery

in home-heating: the new Silent NokOL automatic OIL HEAT

More comfort than ever before possible! Send coupon
-learn where to see it.
low-grade, foul-smelling fuel in order to give low cost heat. Beware of burners that $d o$.

## A suggestion:

Think seriously before installing a burner not proved successful by at least four or five years' service in many thousands of homes. Low first-price should be carefully studied: you usually get what you pay for.
Many of your own neighbors know the comfort of Nokol heat. It is for small homes as well as large. Because Nokol is one of the few automatic oil burners made in sizes to suit any home, to fit any good present heating plant. And because Nokol is actually an economy: usually costing less than hard-coal, never more.

## FREE-a new book

Somewhere, in your vicinity, this Silent Nokol may be seen - in actual operation. Send coupon to learn where.

We will also send you - free - a new book: an impartial, non-technical guide to the whole subject of modern oil heat for homes. Clip coupon now.
[There is a Silent Noко, exhibit at the Philadelphia Sesqui-Centennial: Palace of Liberal Arts; Group "D".]

HIS changes, in important features, all past of home heating.
d, as a result, American home owners - right -are investing one-and-a-half-million dollars onth in new Silent Nokot installations. They're g greater comfort.

## What it offers

fully automatic oil heat-of lowest known heat osts. For nine years, in more than 33,000 homes, s given that comfort which every intelligent and woman desires.

Now, by perfection of one simple principle . . . All noise is cut to the vanishing point. Past high efficiency is actually increased. More comfort than ever before is provided-at the same low cost.
There is, of course, no dirtor furnace work with Nokol heat. Andit provides evenly-maintained temperatures alvays [ within $2^{\circ}$ of what you desire]-impossible with coal.

And Note This: There is not, never has been any "oil burning" odor-in any NoкoL-heated home, nor in its neighborhood! Because Nokol does not have to burn


## The new Silent Nökol

First domestic oil burner listed by Underwriters' Laboratories; approved by all leading safety boards. Manufactured and guaranteed by American Noool Company, Chicago


Today the old methods of pumping and drawing water are not to be tolerated in -too expensive. Running water, under pressure, is a NECESSITY
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the coarse grain (D). Fig. 2 shows flooring made from rapid growing Oak which lacks the finer beauty so typical of Ritter Appalachian Highland Oak Flooring.

In order that home owners, builders and architects may be certain of getting floors which express this greater elegance, every piece of Ritter Oak Flooring is branded on the back, "W. M. Ritter Lbr. Co."

By showing this advertisement to those responsible for the beauty of the floors in the home you are building or remodeling, and insisting on the use of Ritter Appalachian Highland Oak Flooring, you will be many times repaid in the increased enjoyment which the floors will give you.

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NOW that the accommodation in comfort of weekend guests has reached the household problem stage, new guest-room devices are being turned out daily. Among the most novel and practical is a luggage stand, built to hold a travelling bag or even a motor trunk at just the right height for unpacking. The stand can be folded away in an odd closet corner when not in use. The hostess who takes a particular pride in the comfort of her guests, and who, for all that, has the interests of her bedspreads and chairseats at heart, should find this contrivance a happy addition to her stock.

Supplementing the luggage stand, and finished to match it in mahogany, walnut or ivory, is a modernized clothes rack fitted with a coat hanger, a skirt or trousers hanger, shoe trees, and pegs for other articles. In a room with an inadequate wardrobe or none at all, the convenience of such a rack is obvious.


FEW things are more appreciated by the stranger in the home than ease in finding the light-switch on entering a dark room. Even one familiar with the arrangement of the house sometimes blunders around in the blackness for several harrowing moments, to the serious detriment of furniture and disposition, before the elusive thing is located. This is particularly true of lights controlled by a chain to be pulled. Relief for such situations has now been provided in the form of an attractive little fixture to be attached to the end of the chain. It is made up in the shape of an acorn, and contains a sulphur preparation that glows in the dark, so that one is led directly to the right spot and avoids that annoying fumbling.


FOR those to whom the care of house-plants is more or less of a trial, there has been devised a flower box that almost takes care of itself. It is made of rust-proof steel, and has a double bottom, providing a reservoir for watering the plants from below. The water is poured down a tube at the edge of the box and flows into the false bottom, from which point it is slowly absorbed by the plant roots through a perforated shelf which holds the soil. Plants in such a box need be watered only once a week, and they thrive on the treatment. There is a distinct advantage, too, in the fact that this method of house-plant care is less hard on furniture and window-sills, neither of which take kindly to daily spattering with water, unavoidable under the old process.


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I remain thy affectionate grandfather,
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L traffic authorities agree that the general adoption of safety-glass all nd as regular equipment in passenger mobiles, now pioneered by and excluto the New SAFETY STUTZ, will result great reduction of motoring injuries.
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\section*{House \(\mathcal{E}^{G}\) GARDEN}

CINCE Mr. Coolidge attained the White House we have heard - great deal about thrift and econmy. Business men nod their heads agely when they are told that a nillion dollars saved are a million lollars carned. This respectable New England farm philosophy vould seem to be the new idealism f America. Thrift has been deified. In the old days, thrift meant ightfistedness. It meant saving as gainst spending. It was merely a egative virtue. Today it has-or hould have-taken quite a different neaning.
The old style of thrift was evolved n days when production was limted; the new style is the result of lmost unlimited production. In hose times when people lived on he product of their own human enleavor, it was necessary for them to ount every penny and every item, ecause the human body and mind vere capable of only so much prouction. Today, we live in an age f machines. Men have become ninders of machines. The prouction is unlimited. Consequently he old style of thrift is no longer virtue. The first duty we owe to ur modern industrial civilization is consume
On all sides we see inducements to onsumption-credit companies lendng money so that people can buy hotor cars, talking machines, radios, ven lending money to have one's ouse painted. For, unless the vast roduction of our machine civilizaon is consumed, the machines must op, thousands will be thrown out f work, and chaos descend upon us. That, if you must know it, is one \(f\) the reasons for the vast amount advertising we see today in merican newspapers and magazines. hese alluring pages are striving
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to re-educate the people, to teach them their new duty to their new civilization. Advertising is the primer of consumption.

But this new form of hectic consumption has also brought about a new kind of thrift. No longer is it a negative virtue; it has become selective. Modern thrift requires taste, discretion and appreciation of values. It is the act of spending wisely. It is the process of choosing from the vast amount of things turned out by machines those that will best serve the purposes to which we wish to put them.
On that principle of modern economics is built the editorial policy of House \& Garden. It is a magazine for those who can and will spend money on their homes and their gardens. It is not for those who believe they can get "just as good" effects without spending. It is for those who, exercising taste and discretion, put their money where it brings the best possible results. That set of china reproducing an old Spode design, that cut of valance, that rich and colorful fabric, that style of roof, of wallfinish, of paint or shingle, that finc variety of Rose, that unusual tint of Tulips, that difficult race of Liliesthese things first require taste to desire and then a discreet outlay of money and endeavor to attain. For people who wish to surround themselves with such things is House \& Garden created month after month. It is a magazine of the new thrift.

The only thing contradictory about it is its price. Whereas it bids you spend abundantly and with wisdom, it asks for itself only the nominal sum of thirty-five cents. Lay that down in the presence of any newsdealer, and he will readily barter it for a copy of the magazine.

Volume L

\section*{Number Three}
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PUBLISHED MONTHLY by The CONDÉ NAST PUBLICATIONS, inc., GREENWICH, CONN., EXECUTIVE AND PUBLISHING OFFICES, GREENWICH, CONN. EDITOrial office 19 west forty-fourth street, new york city condé NAST, President; francis l. Wurzburg, vice-president; w. e. beckerle, treasurer; m. e. moore, secretary; richardson wright, EdITOR; HEYWORTH CAMPBELL, ART DIRECTOR. EUROPEAN OFFICES, ALD-
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\title{
c. and confections . . .every one
}


Whitman's Sampler

\(T^{2}\)O gardeners the October issue presents an impressive array of names and a fascinating of topics. It will open with a study of American Gardens for Americans. Mrs. Francis King will write of Peonies. A. D. Taylor will discuss the landscaping of a small lot. M. Henri Correvon will continue his articles on Alpine plants. Mrs. Wilder will write about Trout Lilies and Mr. Wilson of Autumn Beauty. F. F. Rockwell covers the subject of Raising Sweet Peas under glass and three pages will be devoted to practical hints for autumn gardening, so necessary if one wishes a good garden next year.
To those concerned with decorating we present solutions for curtaining difficult windows, some practical suggestions for lacquering furniture and a Portfolio of Interiors. Mr. Teall writes f collecting Plymouth Porcelain. The latest designs in wall papers will also find a place in this number
Among the houses will be one from Kansas City, one from New Orleans and one from Long Island. The New Orleans house is a remodeled home in the old French Quarter and the Long Island home a Colonial house restored.

A
ND speaking of modernist flower combinations, why not? We see so many sentimental harmonious bouquets, so many studied and oroperly arranged flowers that they have become oring. Then, too, some people have a notion hat there are definite rules about such things, end at flower shows there is a great to-do about oalance and harmony. Some of the most pleasing combinations have been those that were never tudied. For example, this one on a country ouse porch-lemon yellow Yarrow, pale pink Phlox, with a dash of deep lavender Phlox. The oouquet was called "A Grandmother Who Smokes Cigarettes."

\section*{8}

\(\mathrm{O}^{2}\)LD DOC LEMMON SAYS-"Elviry ain't never quite been able to understand it-fact I figger she thinks I'm a leetle mite loony bout it. Whut? Oh, I fergot ye didn't hear ne an' Joe Meeker talkin' just now. Mebbe 'd better explain:
"I allus git a hankerin' 'round this time o' ear to walk in a big field o' standin' corn-ten cres, more er less, o' good old-fashioned fodder orn a yard higher'n your head, with three-foot caves as wide as a man's pa'm. Sounds foolish, Wal, mebbe thet's b'cause ye ain't never lone it ye'self
"There ain't no reg'lar wilderness left 'round ur neck o' woods, but still an' all ye c'n git o feelin' as plumb lonesome as ye want in a ig cornfield. Walk a couple rods down one o' he rows, an' the hull world's out o' sight n' mind. Nothin' but cool, rustlin' green all round an' the good brown earth underfoot. An' ye go on an' on till ye git a kind o' lost feelin' an' ye're like a kid ag'in, half a-skeered het a b'ar er some such a critter is trailin' ye."


\section*{SEPTEMBER 1926}

WE often hear the phrase, "Going to market." Behind this lies a quaint picture of life in Colonial times,
Once on a time the streets of our towns and cities were active with vending of all sores. Merchants lived above their shops, so that there was no sharp distinction between the residential section and the business district. Wherever the huckster went he found trade. But the huckster abused his privileges. Complaints began to pour in on the town fathers from housewives who had been imposed upon. To stop the abuse the authorities established the public market. That is how, in many Colonial cities and towns, the weekly or semi-weekly fair became a fixed institution. To these farmers brought their products. To these also they drove their "show" beef-fat cattle decorated with flowers and garlands and ribbons, and preceded by a trumpeter or fiddler who led the procession to the slaughtering.

Housewives, basket on arm or trailed by servants carrying baskets, went to market. The market knew no social distinctions.
New York had five public markets by 1766 and every day was market day save Sunday. Weights and measures were sealed and an eye kept on the condition of meats and butter sold. In Philadelphia on Tuesday and Friday evenings before the market day, the bells of Christ Church were pealed. They came to be known as "butter bells."
The remains of these markets can be seen in Boston, Philadelphia, Baltimore as well as New York, and in Baltimore it is still customary for the housewife to carry her basket to the stalls. As today all manner of wares were found at the market-garden truck, groceries, meat, fish, cheese, shoes, clothing, piece goods and articles of household manufacture.


Ithe July issue on this page we expressed the hope that table cloths would return to popular favor. This aspiration, meekly uttered brought us many comments. Evidently a lot of people have tired of eating off postage stamps. But we were not quite prepared for the table cloth we encountered the other day in a country house--an old patchwork bedcover was used as a dinner cloth. On it were placed queer little French cheese baskets filled with fruit and a prim little modernist bouquet composed of Red Yarrow -magenta in tone-and sulphur yellow annual Chrysanthemums. In another house a big Indian hand-printed cloth served for table cover at dinner. Our wish was satisfied.

THERE is an erroneous notion that every one in early America had pewter. For a matter of fact only a negligible amount of this ware was made here previous to 1750. The better class used it, whereas the poorer and rural folks used wood for everyday purposes. Most of the pewter found previous to that date was imported from England. However, from 1750 to 1825 vast quantities of pewter were made here and it was used by all classes. Finally cheap china and Brittania ware supplanted it.

Practically the same can be said of silver. Prior to 1750 sterling silver was the proud possession of only the well-to-do. The Yankee manufacturers of Connecticut began making amalgams -German silver and Brittania. Meriden and Wallingford became the palpitating centers of this industry in plated ware.

Except spoons, which were sold by the dozen, plated ware was sold by weight and was, at the time, known as "weight ware." By 1800 these items found their way into the packs of the Yankee peddlers, and many of the plated heirlooms which we find today were bought by our ancestors from these itinerants who helped distribute plates, spoons and platters for the early manufacturers of Connecticut.

FROM South Africa comes the story of a Butterfly Garden. It is laid out complementary to a building in Johannesburg designed by Sir Edwin Lutyens. From all over the world were assembled the flowers that would grow in that temperature and would attract butterflics. Since the butterflies of South Africa are famous for their beauty, this must now be a spot to d*light the eye. The same can be done to a certain extent in any perennial border. Collect from the meadows Butterfly Weed, Asclepias tuberosa, and see how they swarm to it. Humming birds seem to dote on Larkspur and bees love Monarda didyma. Small wonder that the common name of the latter flower is Becbalm.


QCITE a pleasant meeting of Rock Gardeners will be found on page 98 of this issue Henri Correvon contributes the text on Alpine plants and Lady Byng shows pictures of her rock garden at Montreal. Lady Byng, wife of the Governor General of Canada, is an enthusiastic and successful gardener. Many of the plants now growing in her Canadian garden were brought over from the gardens on her estate in England. These plants thrive with her because they are accustomed to such rugged winters as Canada has; their great foe is the hot dry weather which some sections of this country endure. While rock gardening is fast becoming: the fashionable pastime, we fear that in some areas enthusiasts are bound to meet with disappointment in summer because of the frequent heat and droughts.


A STUDY IN

CHINESE

CHIPPENDALI

One of the greatest achievement of Thomas Chippendale, tha versatile genius responsible to so much that is fine in the wore of furniture design, was the adaptation of exotic Chines motifs to the sturdy lines o current English furniture. Th chair and hanging bookshelf ; this photograph show the fret work characteristic of his de signs in the Chinese taste. Deco
rations from Mrs. Buel

an

\section*{O U T D O O \(\quad\) O}

\author{
At Least One Room in the Toren House Should be \\ Furnished to Suggest a Garden
}

\author{
RUBY ROSS WOOD
}

YOU really should be led there, blindfolded, and seated in the big rosy needlework chair, and then the wonder bursts upon you. You look out over tree tops to a lovely sheet of water, and beyond that a hazy outline of city, and you wonder where on earth-or more properly over earth, you can be. Then you look about you and find yourself surrounded by flowery chintzes, and flowery water colors and engravings, and flowery brocades and porcelains and you wonder still more. Its
four ample windows frame the loveliest vistas, and let in floods of sunshine and air, and so high are they that the noise of the streets below is a pleasant murmur. If ever a morning room deserved the name, this one does.

A square southwest room, with four large windows and a fireplace, was the box-like beginning of this room in Mr , John Vietor's duplex apartment on upper Fifth Avenue. The overmantel was the inspiration for the rest of it, an old English
painting of a smocked gardener leaning ot his hoe, with a prim Queen Anne garden around him. The elaborate Georgian frame of the painting had lost its paint, only a creamy glow was left on the pale pine carving. A mantel was designed to go with this frame, and touched lightly with paint and stain to look as much as possible as if it had been a part of it. The facings of the mantel and the hearth were chosen of violet marble. So the room began.

Hundreds of chintzes were considered


Delicate grilles frame vistas of a real city garden in the New York residence of Mrs. R. G. Reesp Painted metal flowers above the door and consoles holding gay pots of flowers further the garden idea


The garden room in Mrs. John Vietor's apartme'ilt grew from a carved pine overmantel framing an: English garden scene. The pale green of the walls is carried into the curtains of glazed chintz spriggen
with many colored flowers

Ower the desk is a group of water colors of \(H\) yacinths, and old English porcelain jardinières hold masses of fresh flowers. The seat of the Oueen Anne desh chair is also of flowered needlework. Ruby Ross Wood was the decorator


Suggestive of the cool, simple interiors of Japan is the garden room shown at the top of the page, with its assortment of furniture on slightly exotic lines, its colorful Chinese rug, and its background of unusually fine Kakemono paintings

Off the room above is a conservatory with walls in glass suggestive of the sliding windows in Japanese homes. These rooms, in the New York home of Mrs. Walter Douglas, are on the top of a tall house overlooking Central Park


עuryea
Over the daybed, coverel in dark gray silk sprigged wwith bunches of flowers, hangs a painting of Mrs. Vietor's garden. Water colors of Hyacinths are on this wall, and a needlework chair is in the foreground
before the right one was discovered, and it was so right there was no moment of hesitation. A pale yellowish green ground was covered with bunches of little flowering plants, roots and all The roots settled it. The walls were painted the pale green of the chintz, the four large windows were hung with curtains bordered with very small ruffles over dotted net curtains, and the room looked already like a garden. Then came a plain rug of soft moss green, and two comfortable fireside chairs of the same green in velveteen. Two crystal lights were placed one on one wall and one on another, because they weren't quite a pair. For sheer comfort, an old Queen Anne daybed was copied, and


A flower box surmounted by a trellis fills this city wevindow and brings a bit of real garden into the room. When the Ivy thickens, the walt beyond will be entirely hid den. Paula Robertson was the decorator
covered in a steely-gray sil brocaded with little sprig of flowers. A painting o Mrs. Vietor's country garde was hung over it, and a pa of water colors of Hyacinth lower on the walls.
At the foot of the dayber is an English revolving bool table, and atop it an old fashioned jardinière is kep filled with flowers. A Chip pendale chair covered witl the gayest needlepoint placed at the head of th daybed.

This room has a doubl purpose, for it is not onl Mrs. Vietor's own sittin room, but it is a possibl guest room, so it must hav all the comforts of a bed room, and none of the lool of it. There is a walnu chest of drawers on one wall

with an oval mirror, gilt framed, above it, which has a pair of Waterford candelabra and one or two objects of art upon it. A pair of Hepplewhite chairs (extra ones from the dining room) with canary yellow damask seats are on each side of the chest, and a pair of black and white flower pictures by Mennoyer hang above them. This might be called the dressing wall. The writing wall is that overlooking the park, and here the desk is placed between the two windows. Above it are three water colors of Hyacinths, and two other jardinières holding flowers. An casy chair covered in the same chintz fits into the window corner. A needlework chair is placed in the other window, and in the corner near the fireplace is a drum table holding a reading lamp, books, etc. A Canterbury (one of those little rolling English tables) holding magazines is placed beside one fireside chair, and a low table for smoking things beside another.
And there you are! If you want to read, or write, or smoke, primp, or sleep, or sit in a low chair and look out over the magic lake (it is really the Central Park reservoir) you have real comfort, and you are

A suggestion of the out-of-doors may be given a city room by a doubic windose in which are glass shelves holding an assortment of decorative green leaves. A collection of colored flower prints further accents the impression of a garden room. Designed by Harry C. Richardson
months, and a green painted window trellis keeps the illusion when the living greens are dead.
surrounded by flowering things. Not over colorful, over obvious flowers, but the essence of flowering!

This particularly successful garden room rejoices in a glorious view, but the usual problem in the city is to make a room that will take the place of a view. There are several small private parks in New York, like Sutton Place and Turtle Bay and Beekman Terrace, where one may have a real garden vista outside, and bring it indoors in some connecting room. Then there are hundreds of remodeled private houses that have the old groundfloor kitchens made into garden rooms that serve as sitting rooms or dining rooms. Orie charming room of this kind is shown on page 71, where a green formal garden opens directly from a room that seems its very reflection. Here the windows connecting the outer and inner gardens are filled with wrought iron screens and Ivy is trained against them, inside and out. A sensible city garden view is a green one, which one can enjoy most of the winter

When there is no roof for a garden room, no faraway view of the park or the river, or of skyscrapers, and if there are other apartment house walls appallingly nearby, what is one to do? Can the garden illusion be obtained? Mrs. Steven Hirsch's Primrose and Lily room is the answer to that. This small room was a left-over bedroom in an apartment, with an exposure completely obscured by a nearby building, and the problem was to shut the outside out, not to bring it in. This little room is a veritable sermon in chintz, for it begins and ends in the pattern of the yellow chintz curtains, pale canary yellow with big bunches of white Lilies and pink and wine and yellow Primroses. The walls are paneled with moldings, and painted in three very light, sharp yellows. The large group of windows is hung with a pale yellow gauze curtain, very full, and then with long curtains of the chintz, which, have double fluted ruffles of plain yellow and green chintz. The carpet is
(Continued on page 134)

\title{
C O L O R U N D ER PR O H I B I T I O N
}

\author{
Repression In One Phase of Life Has Apparently
}

Created Excess In Decorution

MANY years ago Oscar Wilde came to this country to lecture. By the intelligentsia of that day he was received with polite enthusiasm; among the more staid his name was whispered behind hands. People didn't know how to take him. Nor did they know how to take the things he talked about.
Among his lecture topics was one that in this era sounds peculiarly tempting-Decoration and Men's Dress. The SunflowerBearing Bard remarked, if we remember rightly, that American people were afraid of color, that they were a black and white and drab sort of people, and he suggested that they try something else. This bold suggestion was doubtless heard with acclaim by some and alarm by others. Nevertheless, in the years since Oscar Wilde gave this bold hint (although they are totally unconscious of it), the American people have followed his precept. The past decade has seen us plunge into the whirling sea of color. We are, if the truth be told, fairly wallowing in it.

Twenty years ago if a doting wife presented her husband with a cravat of regimental stripes, he would receive it meekly, pat her on the cheek, but never dare to appear among his fellow men with that gaudy bit of silk around his neck. Today men walk forth boldly in all manner of brilliant colors, and make no apologies. Twenty years ago if an architect suggested to a client that he try something else on his roof beside brown and moss green, the client would put him down among the lunatic fringe. Walk through any suburb today, and what do you see? - Roofs wearing a motley that fairly dazzles the eye, walls flaunting all the tints of Taormina, and through the windows you catch glimpses of curtains that flash bold colors unheard of \({ }^{*}\) in our grandmother's time. What does all this mean?

THE adoption of color was gradual and cautious. People went into it the way they go into the sea in early summer-a toc at a time, then to the knees, and, wading out deeper, a bold plunge. Having once become engulfed in it, the mind soon is accustomed to its varying eddies.

The people who first ventured forth from the swathing bands of Victorian decoration were considered "arty" and advanced. Their ventures may have seemed without purpose, but they were not without significance. Advancement is first made by bold souls who are oblivious to criticism. When these "arty" people broke out into color, they were unconsciously leading a host who would eventually accept color without fearing it. And there are those who fear color.

TO great many people strong color connotes worldliness and the extravagances of ritual. When the Puritan rose to power one of his first points of attack was color, and wherever the Puritan type of mind predominates you find color exiled from everyday life. It was so in England under Cromwell, it was so in this country under the Puritan worthies. People who enjoyed color also enjoyed life too much to be tolerated.

With repression also comes excess. Study any Puritan or prohibitory regime, and you find people going to other extremes. It is almost axiomatic: repress one side of human nature, and it will burst out unexpectedly in other places.

Although it may seem far fetched, it is possible to trace in this country a parallel between prohibitory legislation and the growth
in the appreciation of color. The "arty" souls mentioned above were, in a manner of speaking, descendants of the men who dumped the tea into Boston harbor. They were the esthetic Sons of Liberty.

THE recent appearance of color in the everyday life of our people was coincident with the rise into power of those whi enacted our prohibitive laws. As the Anti-Saloon League and other repressive societies widened their influence, so did the use of color become acceptable to a widening group of people. The motley of house roofs, the tinting of house walls, the wild scramble for having houses "decorated", the carcless and enjoyable use of stron and varied color among intelligent people have practically com to pass since the day Congress declared that the American peopl could no longer lawfully enjoy liquid refreshments containin more than one-half of one per cent of alcohol.

The tendency toward color may have been evident before tha exact date, but it did not enjoy universal acceptance until afte the average man and woman found their habits repressed by legis lation. With near-beer came near-art roofs; with synthetic gi came synthetic peasant curtain fabrics; with poisonous hootch cam all the poisonous tints and tones that are now found and enjoye by people every where.

This prohibitive legislation has also been paralleled by an ent thusiasm for the more primitive forms of carly American furnish ing. On all sides we see reproduced rooms that would have please the sternest of the Massachusetts Bay Fathers. For a time th style will hold its influence; but already we are witnessing th slow introduction of something more worldly. With the primitiv American pieces are being mingled French peasant furniture, ju as in the days following the Revolution French influences crep into the life of our people. Human nature is striving to adjust balance between the unyielding and the supple, between the ster and the laughing, between chairs that are uncomfortable to sit i and chairs in which one can lounge. Already furniture is con ceding light wines and beer!

DURING the past month one of our leading decorators, fres come from the other side, has uttered her ukase of colo She says that she now thinks the American people are ready for return to the use of white, and that the subdued hrowns and beige will once more come into favor in decoration. We read this pro nouncement with dread. It connoted many things worth worryin about.

Prohibitive legislation may have proven a hardship for man people, but, following the course of human nature, surplus fr volity went into color, and life went on. We are enjoying th color. It makes happy-looking rooms, and happy-looking room have a tendency to make happy and contented people. Certainly it makes our suburbs bright and cheerful as a flower garden. An it shows that people, under repression, can adjust themselves cheer fully to a balance that will keep them sane. But if we are goin to lose all this, will we also lose our pet repressions? Wi American life become so loose, so full, so unprohibited, that w can return to white and brown and beige and be satisfied witl them?

We hope not.


Gillies
NORMAN ENGLAND IN NEW YORK

\footnotetext{
From a variety of sources does this cottage draw its charm, Norman England mostly, with the door-hood reminiscent of a later era. Yet, whatever its derivation, it manages to fit admirably into a setting at Scarsdale, N. Y. It is the home of Karl Keffer. Frank I. Forster, architect
}

\title{
FURNITURE OF BRITTANY AND NORMANDY
}

From These Two Northern Provinces of France
Come Distinctive Rustic Pieces

\author{
HENRI LONGNON
}

IT may seem paradoxical in a study of French provincial furniture to mention Normandy and Brittany in the same breath, for never were the productions of two provinces more different in style and execution.

While the rustic art of Normandy, together with that of Provence, during the 16 th Century was the richest and most refined expression of French understanding, on the other hand the rustic art of Brittany, even up until the present day, has always professed a resistance (sometimes voluntary and sometimes spontaneous) to the essence of French taste. And in each case the resistance has been distinctly and characteristically intolerant to the two fundamental French traits: delicacy and proportion. In truth, it is geography alone that unites these provinces, for everything in their political, economic and artistic history serves to separate and oppose them.

Latinized by Rome to the same extent as all the other Gallic provinces, Armorica, in the 5th Century, became anew completely Celtic, thanks to the immigration of vast colonies of Gaëls, driven from Great Britain by the invasion of the Angles and the Saxons. From that time on, although by right subservient to the crown of France, the Dukedom of "Little Brittany" as it was then called, held itself scrupulously aloof from any common participation in French life. Apparently nothing of French manners, customs, habits or tastes penetrated its bounds until the Revolution in 1789. The only bond seems to have been the common love of the mother country, and even this was not strong enough before the reign of Louis XVI to make Brittany participate in the artistic evolution of France.

The Breton countries at the end of the Renaissance period, or rather at the beginning of the 17 th Century, had adopted


In two ways can one study the furniture of Normandy and Brittany-in the local museums and in the shops. In the Musee du Vieux Honfleur, at Honfleur in Normandy, is preserved this quaint shop front with its alluring assortment of antiques
fact a general tendency toward the turner's technique.
Since then, development has been slow and always, in a sense, quite opposed to French taste. While in the other provinces furniture became more and more pure in line, in Brittany it grew heavier, overloaded with carving and a profusion of ornaments, whose excess seemed unlimited as the 19 th Century advanced. What we
know as the Louis XIV, Louis XV and Louis XVI periods, can hardly be though of in connection with Brittany. It is only the very general lines of those styles tha might suggest them. It is the Breton char acteristics that dominate: heaviness of th proportions, shallow carv ing, turned pieces and uniform effect in decora tion.

One might be tempte to see therein a result o the maritime character o the province, a result whic has already been mentione in connection with anothe seaboard country, "le pay basque." But this ingenio: theory does not hold goo if one stops to think an in stant that the neighbourins province, Normandy, ju as maritime as Brittany b its origin and its economi life, completely escapes an such characteristics. Noth ing can be more Frenc than the rustic furniture o Normandy. And yet, should they have so wished, what was to prevent them to from having a style of the own?

The Normans are non other than the Vikings come hither from Scand navia during the 10 th Cen tury, and who, after havins pillaged the seaboard prov inces of France, ended br settling and colonizing on of them with the consen of the French king. Bu no sooner were they fixe on this fertile soil, n sooner had they become ac climated, than they assimi lated themselves to the res of France to whom le than a century later the handed on their models of political order their taste in things artistic and literary.

English domination in no wise influence their destiny. As early as the 13 th Cen tury they became part of the royal domin ions, of which Normandy formed one the most prosperous regions. And when a the beginning of the 17 th Century th regional furniture of each province took
(Continued on page 126)

In Norman peasant houses the matn room is called la maison and serves for all purposes. In bourgeois homes the bedroom would be separate. But whether peasant or better-to-do, each Normandy home has three favorite pieces-the table, the buffet and the grandfather clock

Whereas in Brittany the bed is a closed or half-closed bunk, the richer Norman may set his bed in a canopy, as shown below. Style influences are apparent in this group. The bed and chair are Directoire, the dressing table Louis XV and the mirror frame is in the Louis XVI manner
\(e\) armoire or clothes ss is the chef-d'œuvr Norman cabinet-mak and is one of the st individual pieces o! nch rustic furniture is example is of Loun: I style with carvea decorative panels


The details of these armoires vary with the different regions of Normandy, some richly decorated, some simply. Practically all date from the Louis XVI era. Their hinges and locks are always interesting

FURN1TURE

Owing to the stealily growing knowtedge of the great decorative periods, a demand has arisen for piano cases in keeping suith the furnishing scheme of the room. For this reason the six sketclies on these pages treat the piano from the standpoint of furniture. Above is an example of a Hepplewhlite design in antique malogany or walnut. The Baldawin Piano Company


An interesting model for a room that stresses the modern note in decoration is the small grand piano shown in the sketch above. Here the fine simplicity of the lines is accentuated by the back-yround-a decorative painted screen. The wallpaper and rug are designed in the modernist taste. The Wurlitzer Piano Company

An excellent small grand piano for a room furnished with 18th Century mahogany pieces is the sketch at the left. This is simple and direct in line, with delicate fluted legs and carved motifs on either side of the keyboard. Slenter canillesticks fitted weith shields made of painted fans provide the necessary light.

The Krabe Company

A grand piano of the type shown in the sketch at the right is suggested for a musio room furnished along Georgian lines. This model, with its graceful proportions and delicate acanthus leaf ornament at the tops of the legs, may be had in brown malogany or swalnut in antique finish. It is shown by courtesy of Solmer \&f Company


In the sketch above is a charming Louns XVIdesign suitable for use in a small drawing room or morning room furnished in the manner of 18th Century France. The ornament is delicate and restrained and the line exceptionally graceful. It may be obtained in mahogany, walnut or in the unfinished wood. Steincuay of Sons

The sturdy lines of early English interior architecture demand furniture and accessories more or less in keeping. For this reason a piano case at the right has been designed to fit in with a Tudor or Jacobean decorative scheme. It is walnut, ornamented with richly carved side panels. Courtesy of the Acolian Company

(Right) In this .lecorative small foyer is a delicate French table, paintel dull green and offectively set weith a pair of Empire candlesticks and a painted tole case holling sprays of Laurel leaves.
Natalie Cole cuas the lecorator.
Natalie Cole ceas the lecorator


Interesting accessories placed ceith a regarld for balance and beauty are features of this console group. Above the table is a beguiling Louis XYI evall decoration of carvel woo.l. The Venctian chair is paintest old white and gol.l. Decorathons from Rose Cimmming

\(G R O U P S\)

FOR THE

CONSOLE


A small hall in a Newe York afartment has just room enough for a narrow marbletopped console on which are placed two amusing figurines of brightly painted wood and a low tole jardiniere. On the walls is a star-spangled papor. Paula Robertson, decorater

In the draseing room at the left is shown an effective treatment for a Lonis XVI console. This arrangement of Empire urns, candlesticks and a small painting luas a decorative background of brightuly bound books. McMillen, Inc. were the decorators


That rooms in a small city apartmeint can be male every bit as attractive as more spacious country house interiors is eailenced by the photographs ont this page of a liwing room in a New York City apartment. Paula Robertson is the osener and decorator.

in interesting assortment of 18 th Century furniture and an ingenious use of color are responsible for tho distinction of this living room. The bookcases are Italian, and the other pieces a mixture of the Louis XVI and Directoire styles
(Above) In colorful contrast to the walls anti swoodwork which are painted a soft Venetian pink are the long curtains of yellow and white striped moire. Striped silk in green and dull pink covers the arm chair. The Aubusson rug is in faded tones of green, manve and red

A DECORATOR'S
LIVING ROOM


The rooms shown on these two pages are further illustrations of the decorative possibilities of a comparatively small city apartment when the furniture color scheme and accessories are selected with the size of the room in mind. The photograph above shows a avell balanced fireplace group in the living room



\section*{FOR THE}

SMALL
APARTMENT

Another small bedroom in thit afartment has swalls covered in a green and swhite paper of classic design. The avinLose hangings are green taffeta made with soft ruffles and Iung over glass curtains of sream ganze, and the painted Chair and stool are upholstered blue velvet. The other furniture is avalnut

\title{
CLOCKS THAT CHIME IN THE
}

\author{
A Casual Discourse Upon Bells, Boiling Eggs and Other Matters
}

That Take Their Ciue from Time's Passage

\author{
MONTROSE J. MOSES
}

THE rich voice of the cook floated up from the depths below-she was sing-ing-ripe strains of "Rock of Ages". The spirit of the old hymn pervaded the break-fast-room-one verse, another, and then silence.

My expression must have shown surprise. "Oh," explained my host, "that's only mammy boiling eggs-one verse for soft, two for hard." Amusing as this was, it nevertheless was an excellent commentary on clocks, and I use it here as a text, for it fits in so well with most situations which relate themselves to time in the home:

I've seen many kitchen clocks, but scarcely any of them running; certainly few of them keeping accurate time. I've come upon hour-glasses buried beneatin cutlery in the drawer, but only brought forth to amuse the youngster who might be begging too insistently for a thimble and a piece of dough with which to make doll biscuits.

Time in the kitchen, like seasoning, is a matter of experience. My telephone bell rang one morning; a well-known dramatist was preparing his meal. "How long," came his newly awakened voice, "should an egg boil to be hard?" "I'll ask," I replied, and in three minutes was ready with my answer. "How long has it been in:" I challenged. "Eleven minutes," he explained. "Take it out," I yelled warningly. "And do you know," he said afterwards, "fourteen minutes is the correct time. The egg was perfect."

\section*{TRAINS AND SUBTERFUGES}

I have been on the porch of a country house and heard my host and hostess argue as to whether it was the up or down train they heard; and when that was settled, then arose the imminent question as to whether or not it was near the bend down by the hollow: they were accustomed to leave for the station when it reached that point on its way to the city. There was the time-table at hand, each had a watch, while from the hall door one could glimpse a grand father's clock in the cavernous shadows of a winding staircase. But time in the house is nothing without this human test.

The fact is, the more accurate the system we adopt of measuring the hours, the more subterfuges we invent to cheat time withal. The Senate clock is pushed back from reaching twelve until all the Nation's work is done for one session. Every spring the hour hands are hurried forward to give us
an extra sixty minutes of daylight. Some of us, inimical to the idea of being awakened by an alarm clock, have two by the bedside-one of them half an hour ahead of the other, that we may have the exquisite luxury of going to sleep again for another spell.

Does a clock really belong in the house as a necessary object, or as a matter of inherited sentiment, of fictitious decoration: "Yes," I've been told, "a fine example of Chippendale, but it hasn't run for years." Every now and again the owner of such an objet l'art would open it doors, lift the clapper that a visitor might hear the sweet tones of its bell. But time was the last quality they would associate with such an antique.

\section*{THE INTIMACY OF CLCCKS}

Thus the curious thought was thrust in upon me that, honorable as the history of clocks might be, they are not as intimately necessary to the life of the house as andirons, light brackets, hinges or door knobs. In fact, once a clock becomes too intimate, it is ignominiously silenced. For time is a bad-mannered thing to notice on occasions, even though a caller who stays of an evening, close on the morning hour, needs to be taken by the hour hand and led to the door. I remember a little lady pointing to a small French clock on her mantel, very delicate in its white marble, telling me right before its face of its embarrassing frankness, due entirely to the subtle accuracy of its wheels and springs. "Our visitor" suddenly jumped up," she narrated. "I've stayed an unconscionable time,' he apologized, 'you must really excuse me.' 'But it's not late at all,' I said, with all the positiveness the lie would admit. This clock wouldn't hear of such a thing. It struck twelve glibly, rapidly, piercingly-twelve staccato strokes and then a comfortable gurgle of the springs. 'Here's your hat, what's your hurry;' it seemed to say, and not in French, either!" Really, now, do you believe a clock should be in the livingroom?

It is a question not casily answered. If life is a routine, then time is an essential, and a clock should be at one's elbow unless a watch is at one's wrist. Then alarums should mark the hours of a day or night; for time thus ceases to be a ceremonial and becomes a disquieting warning. The clocks of Antwerp used to ring with a resonance that throbbed through the feet; one felt the passage of time without having to seek
it. Somehow, the clockmakers have alw tried to disguise the useful character their calling by having winking mor reveal on the dial the state of the moo quarter; upon the clock doors they h depicted battleships and eagles and flutt ing flags; and they have heralded the ho with minuets and gavots, marches and ho pipes, dances and even hymns for Sund 'Thus were bracket clocks made by Lozano in the 18 th Century. Time, in collector's clock (which is not essentia a time piece), lurked behind the star heavens, gay plumed birds, stiff baskets fruit and flowers amply piled. These w the decorative aspects which opened fi sides to clocks. Was it not this very des to escape the trade-mark of time \(t\) prompted the Willards when they shap the slim-waisted banjo clock?

So, even though we identify time w the mantelpiece, the decorator puts it el where, until now we are liable to fi clocks all over the house. Personally, I not believe that time should thus become commonplace. It has become so evide we do not observe rightly the ceremoni of a day. I like warning bells for t reason; there is a picturesqueness to th as there is to Eastern calls for prayer. I home should so arrange time that we proach it rather than grapple with it the instant. Between the first bell for d ner and the second, one gives a discrimin ing twist to the tie, an extra fillip to ribbon, as though an occasion of mom approached. Thus is there no slav necessity to keep one's eye upon the clo

\section*{RELATIVITY OF TIME}

In our gentler moods we do not find necessity for accurate time. We've ne yet drawn the watch upon a Four-o'cloc yet relatively, there is no hour so prec in the garden as that. A thousand tin more touching in significance is the phr "sunset gun" than the \(5: 30\) or \(5: 43\) sal -where one instantly imagines time tab restless scrutiny and a mechanical duty.
I dislike a house where time is a special deep-toned clocks on the stairway, flutteri clocks in china dimity on the dressing-tal banjo clocks in the music-room, a cuck clock among the bird cages. Ensconced a German castle, Clyde Fitch, the dran tist, once wrote to a friend: "It is noon, a clock in the hall is playing a long o fashioned Italian tune; sounds like an spinette; about sixteen other clocks
(Continued on page 122)

A LITTLE PORTFOLIO OF GOOD INTERIORS


Vmandatan
When a room is as important architecturally as the
paneled library pictured above, it sloull.l be supplemented by an entrance of equal dignity. This dramatic door. sway, made of finely werought iron in a delicate scroil design, gives into a beautifully proportioned interior, two siles of which are entirely lined with books. In thic New York resilence of Staffort McLean. Edmunt




Healy

The last of the race to bloom is Tulita strengeri, which flowers into a sibrant sealing-weax red on stems eight inches high. Armenia is its native land. In tha neighborliooll of Nere York it blooms on mid-I lune

Among the bizarre combinations is the red and yellow of Tulifa acuminata. On long and slender stems it lifts up its fragile, slim and carcless flower heals. It is said to have had an obscure gar:lon origin


From Persia comes Tulipa persica, an ol.t reliable that blooms late. A ikwart, its stems tewist and curl and then proiluce a yellow flower from a queer bronse buil. It has a fragramie that one remembers

AMONG THE HARD

\section*{WILD TULIPS}

LOUISF BEEBE WII.DER

MID-SPRING finds most garde quite gorgcously decorated with I lips-the esthetic Darwins, the grace Cottagers, the prim and shining Earlies beds and borders filled with them, shrubbery alight with them and colonies them thrusting up among the lusty \(p\) ennials. They are lovely, indispensable, would not do without them, yet what the wholly engaging little wild species t inimitably adorn various far places of earth?

It is strange that those who so adm the almost too sumptuous and sophisticat garden varieties do not more often seek for very curiosity, if for nothing el some of the wild species. Not until th have had some of these little wildings und


Candystick Tulit some call this, atthough to botanists it goes under the name of Tulita clusiana. Red and white like a peppermint stick, it opens to a white. India is its liome. It ask: for avinter protection

Tulita polychroma is a denizen of Persia, and its name is true to its beautymanve outside and tale mante seithin tinged a yellowe. April finds it blooming in the author's garden just outsile of Nezv York
(Belown) A quaint stecies not often seen is Tulipa biffora major, a cousin of Tulipa syliestris. It is quite reliable and gives a goo.l yearly display, which is desirable in the rock garden where bulbs are desired

トLOWERS OF WAY-
WARD GRACE FOR

\author{
THE ROCKERY
}
their eye, have seen them in bud and in flower, shining in the sun, drooping in the rain, can they be said to know the best that Tulips have to tell. Their wayward grace is unknown to the garden beauties, and no two of them are shaped alike. Their colors are immaculately clean and fresh, and, if various of the species are planted, we may have Tulips in the garden from March until well into Junc-and no small boon, this. Of course these wild things are no use for bedding or for anything that has to do with uniformity or smugness. These free spirits refuse to march in battalions or to edge the borders trimly. The rock garden is the best place for them, particularly for the dwarfs, but a sunny shrub border where (Continued on page 154)


On the grounds of many an old English castle the Yew hedges are one o! the proudest features. Sturdy, dense and of year-round beauty, they
represent generations of patient attention

\title{
HEDGES AND THE PLANTS TO MAKE THEM
}

\author{
Protection, Seclusion and Intrinsic Beauty Are the \\ Assets of These Living Boundaries
}

\author{
E. H. WILSON, V. M. H.
}

\(\mathrm{A}^{\mathrm{s}}\)S love of home and home-life increases there is quickening of desire for quietude and seclusion, a yearning for freedom from intrusive eyes. With no desire to rob neighbors or deny to passers-by a sight of the beauties of the garden, sooner or later the impulse is to screen it in part or wholly from the common gaze. This is one reason for planting hedges; another is to secure protection from the wind; another to keep out cattle. Some rail against hedges as indicative of a selfish, churlish spirit, but sooner or later are themselves guilty of planting one. In Europe the garden hedge ranks next to the lawn in importance and in attention bestowed upon it.

If hedges are to give protection, afford seclusion and at the same time be objects of beauty they must be properly planted and properly trimmed. Also, they must be of the right sort of material. Many times this spring have we all seen on the sidewalkedge, fronting newly built houses and apartments, men at work with pick and spade fashioning a narrow trench, the
debris spilled from the construction greatly increasing the labor. Usually the sides and bottom of this narrow trough resemble in solidity the concrete of the sidewalk or the cement of the house. Into such a channel are thrust, thickly, small plants of California Privet or Thunberg's Barberry which have been wintered in pits, cold greenhouses or cellars. The earth is thrown back and trampled down, the tops of the plants trimmed to an even height, occasionally the hose is brought into use and rarely, very rarely, a mulch of some sort is spread over the disturbed surface. The hedge is thus planted as cheaply as possibic with the cheapest of material and the owners of the property or occupants are left to grumble as it dies in part or wholly.

The cynic may smile at such wasteri effort but the lover of plants is saddened to see the abortion of good intentions. Ignorance is the real trouble but dealers who dispose of inferior material and the jobbing gardener who plants in such fashion are much to blame. The suburbanite is the one who pays.

Proper hedges can be had only by planting proper material in a proper manner. The material must be perfectly hardy, nursery grown and properly wintered, preferably in the open ground. It is most necessary that the plants used be in vigorous health when set out, since they have from the outset to withstand harsh conditions. Radiation from the sidewalk, winds, dust, the hot sun overhead are all inimical. A moment's reflection proves this and should move those interested to efforts best calculated to promote the welfare of their intended hedges.

A hedge should be densely clad with branches from the ground up and be impenetrable. To secure this, careful clipping from the earliest stages must be maintained. With few exceptions, such as Privet, Van Houtte's Spirea and Box Honeysuckle, plants for hedge-making should be raised from seed, not from cuttings, grown in nursery rows and rogued for their special purpose in order that uniformity of habit may be attained.

First a word or two on preparing the
trench and soil and the manner of planting. The width and depth of the trench depends upon the size of the plants to be placed therein and should be regulated accordingly. The bottom of the trench and the sides should be loosened and care exercised not to cramp the roots. Good loam, and if turfy so much the better, is the requisite. If the soil is poor, fertilizer should be added liberally. There is nothing so good as farmyard manure but bone-meal is a fair substitute. The distance apart in the line depends upon the size of the plants used. If quite small a foot is plenty, and a double line with the plants alternating is a good practice. If larger, place them so that their branches almost or barely touch each other, for the object is to form a dense screen as quickly as poss:ble. Firm the soil well over the roots and apply the hose to settle it evenly. Finally, add a mulch of straw manure, salt hay or granulated peat to conserve moisture and keep the roots cool. Trim the plants evenly and encourage growth by watering freely when drought threatens.

If such methods be followed good growth will be apparent the first year. The second year shaping and trimming will be necessary and in succeeding seasons this work must be regularly carried out, for on this depends not only the appearance of the hedge but its very permanence. The task is simple though, truly, one rarely sees it perfectly done. A hedge should always be broadest at the base, tapering slightly upward. Never the reverse. The shape in section should be that of the capital letter A. This shape allows uni form access of air and light and permits the drip after rain to fall through the branches. Thus shaped the hedge does not get bare at the bottom from suffocation of its leaves but remains permanently dense from base to summit. With plants of tree-form never clip the leading shoot until the desired height of the hedge is attained. From time to time fresh food will be necessary which can be applied as a mulch or forked into the soil carefully. Where hedges are intended as boundaries to resist stock it is well to plant them on a (Continued on page 172)

To top a stone suall there is nothing better than the low-growing Euonymus radicans carrieri. The lower swall at the left of the picture is capped with a good planting of Hemlock


Hemlock makes a splendid hedge when properly handled. This most excellent example beside a driveway is fifteen feet high and thick


When the common Arboratae is use.t as a hedge it calls for frequent shearing to maintain it inthe fullest beauty of which



Long drifts of Narcissi spreading down the slopes of a lighty woolded hillside bring a glory of springtime gol.d and white to the citate of E. WI. Bassick at Bridgeport, Conn. Marian C. Coffin, landscape architect

\author{
M A K I N G \\ T H E \\ G A R D E N \\ O F \\ B U L B
}

Now Is the Time to Plan, Prepare and Plant
It for Next Spring's Blossoms
F. F. ROCKWELI

RECENTLY I read in an article on bulb growing that the gardener would be well repaid for taking the trouble to prepare the beds thoroughly. No explanation was given as to just what this thorough preparation should be; but whatever preparation might have been recommended would hardly have justified the use of the word "trouble" in this connection.

The real gardener does not consider as trouble the preparatory work which may be necessary to assure success with his favorites. As a matter of fact, such preliminary work is one of the keenest kinds of pleasure which the gardener gets from his hobby. I always have a great pity for the unfortunate amateur whose only physical labor in connection with gardening is carrying a basket in which to gather cut blossoms from professionally tended beds. You cannot properly appreciate the fragrance of the Rose unless you have perspired over the compost and dug down beneath its roots into the sub-soil; nor fully ap-
praise the treasure if your hands are innocent of scars and calluses from spring pruning! And so it is that to the real gardener, in possession of this secret, the work of preparation is never "trouble." In his vocabulary this word does not exist! Least of all, with the bulb enthusiast, should details of providing the best possible conditions for growth take on any aspect of labor. For when the bulb bed is made,
his work is practically over. Results ar almost certain. His brother hobbyist, pu: suing the Rose or the Sweet Pea, may be doubt up to the last minute whether th worldly hope he sets his heart upon wil prosper or turn to ashes. But given properly made bulb bed, and good bulbs, th bulb fancier can look forward with ce: tainty to a harvest of beauty. With man bulbs, in fact, he can look forward t several years' harvest, witl little or no more attentio on his part.

While it is true that grent many bulbs-bot hardy and tender - will giv very satisfactory flowers merely stuck in the ground it is equally true that care ful preparation will giv even better results. There fore, the gardener who would get the fullest pleasure from his or her bulbs who wishes to see eacl

\footnotetext{
Naturalizing is one of the most effective methods of arranging Narcissi. The bulbs are distributed in broad, irregular grouts and each is planted individually
}


Another view of the Bassick woodland in May suggests the incomparable beauty of good Narcissus plantings. Such a display returns year after year without further human effort
cies or variety develop to perfection as near it as conditions will allow, will adly provide a well-made bed for them. What are the steps which should be ken to prepare for bulbs in such a way at they will surely be happy in their vironment, and in return make their anter happy with a wealth of perfect

The different species, even individual rieties, have preferences in the way of il, moisture, nourishment, shade and forth; but, for the most part, ther general methods to be followed hich are suitable for all. It is these neral lines of procedure which I will deavor to present first, taking up later, far as possible, individual variations om these methods

Beautiful detail pictures can be created with bulbs. A group of Crocuses like these at the foot of a great tree is not soon for gotten. Marian C.

\author{
Coffin, lamliscape architect
}

In making a bulb garden, as in making any other kind of garden, the first step should be to lay it out. If it is to be a large or an elaborate garden, this will be most necessary; but even for a comparatively small and simple garden, this preliminary step, although not absolutely essential, is desirable, as it is much easier to make a change or to correct a mistake on a piece of paper than it is to do it when working with the soi!, sod, fertilizer and bulbs themselves.
(Contimued on page 142)

Grape Hyacinths, wee jewels that are suspected of dire sins by the Federal Horticultural Board, are delightiful in odd nooks where larger plants would look out of place


\title{
B ULB G ARDENS WITHIN THE HOUS
}

By a Little Forethought and Attention Each of the Winter Months Can
Be Made to Yield These Delightfiul Flowers

\author{
ROBERT STELI
}

TO make the bare and unqualified statement that ten uninterrupted months of flowers are possible through the planting of bulbs alone seems at first glance to be adrancing a broad and apparently unwarranted claim. We become so accustomed to thinking of this excellent type of plant material in terms of only one or two families that its larger opportunities are often overlooked While we know that Narcissi and Tulips give six weeks or so of flowers in the spring, and Gladioli may yield a somewhat longer summer and early fall period, the possibilities that lie in linking up and extending these seasons are frequently overlooked by the gardener.

The forcing of bulbs for indoor bloom from early winter until spring brings the first of the outdoor Snowdrops and Crocuses, is the means whereby this lengthening of the flower period is brought about. At the worst, the only months in which we need be deprived of bulb flowers are October and \(\mathrm{N}_{0}\) vember; and not the least interesting angle of the situation is that no particular experience or expensive equipment is needed to bring about the results. A sufficient number of earthenware pots or pans, or perhaps a wooden box or two; a bit of earth which can be dug up; and of course the bulbs themselves -these, plus a slight amount of forethought and effort, are the main essentials.

Bulb forcing, with the majority of kinds that are used for this purpose, is divided into two distinct periods. First, the corms in their pots, boxes or pans are subjected to several weeks of darkness and more or less chill ing temperature. This enables
> (Center) Several weeks before flowers are desired the pots are brought indoors, watered and placed in a darkened place with mild heat. When growuth is well started the temperature is raised

them to develop a strong root system be top growth is made - a condition, of cou which is essential if they are to succeed that much greater effort which culmin in the production of perfect flowers.

After adequate roots been formed the plantings brought into greater war where their top growth under way. Still later the given more air and stron light until, as the buds are most ready to open, they en exposure to the full rays of sun.

Such winter forcing re has an advantage over the door season in that the period bloom of any given variety be extended over months by simple expedient of bringing the plantings at intervals fr their chilly beds. By plant a number of pots with Nar in early October, for instar and bringing two or three them into the house six we later, flowers may be had Christmas. To continue season through January, F ruary and March, one \(n\) only keep bringing in additio pots at suitable intervals. severe climates a heavy str mulch placed over the where they are buried outdo will keep out the frost render them accessible all ter even though snow cov the ground.

There are, to be sure, seve forcing plants which do not \(n\) thispreliminary chilling, butm be kept in the house through their growing period. Pap white Narcissi planted in pe bles and water are perhaps best known of these, and satisfactory they are. Oth are Freesias and, of eq charm, the Lily-of-the-Vall
> (Left) As soon as growth is weell under way the flats or pots are moved to a bench where they will receive full light. Moderate temperature and normal growth result in the best flowers.


The Roman Hyacinths, though smaller than the Dutch type, are more graceful and ideal for forcing. To get them with long stems, start them slowly in subdued light and not too high temperature. The boxes or pots should be turned occasionally to maintain even development
(Right) Bulbs, like other plants, need air in the soil as well as food and moisture. This necessity is assured by a light stirring of the earth between the growing stems, to break up the soil crust. It is weell to do this stirring after every zuatering, as the surface begins to dry
(Below) Freesias, now to be had in a number of colors, need no preparation perion. Plant them in light, rich soil, water moderately, and let growthe start slowely. Keet them in a moderate temperature as they develop, especially when the flower buls are opening


Lilies are heavy feeders and should be viven a cool indoor position where good light is provided. Moderate and even suatering and dusting or fumigating wevith tobacco are required. Several repottings must take place in the weeks between planting and time of blossoming
(Left) Lilies-of-the-Valley for forcing are grown from cold. storage "pips" or rooted single plants. Plant them in sand or peat at a temperature of from \(60^{\circ}\) to \(70^{\circ}\). They require no preliminary rooting period, since their roots are already fully formed at the time of their planting
(Below) Whille not a true forcing procedure, a highly satisfactory way to get blossoms of hardy bulbs before outdoor blossoming time is to grow them in a coldframe. Such a frame, if it is heatel, will also serve for tender varieties like these Paperwhites and Soleil d'Or



Phow subulata is abundantly endozed (utth rock tlant wirrtues. Once establishe.l, it curtains rocks and ledges and blooms with equal case on certical and horizontal surfaces


Perhats the most im portant factor in the success of cwilliflowers transplante. 10 the garden is the provision of soil, situation and moisture swhich Suplicate their natioc habitats


\section*{THE CULTURE}

MOUNTAIN PLAN'
HFNRI CORRFVON

The photographs illustrating this secoml article in M. Correzon's series on Alpine Jlants slose details of the famons rock garikn belonging to Lady Byus of Tims; at Rilean Hall, Otasea. Lady byng's experiments seith nummous flants in this Canadian climate are of the greatest interest and salue to horticulture

AFTER the long repose of winter e Alpine heights comes, as it in the twinkling of an eye, intense prolonged light. A full change from te darkness to the bright sunshine, a lif heat (whose effects are, however, dim ished by the cold nights), constant never-failing humidity, well distributed both soil and in the air-all this is prese in abundance. This condition being und stood, it is small wonder that it is not casy to transplant to our gardens pla from the high mountains. It demands \(c\) tain precautions. Our climate is drier, winters are no winters at all for the Alpi flowers. We are their murderers. The 1 intense light which we enjoy and the lo springtime which prepares our lowla plants for the luminous days of summ constitute to a great extent the reas which modify with their mode of li their very organs and their nature.

We have long believed that these plat could not be acclimated to us, and Mo sieur Gaston Bossier believed that leges when he affirmed that many of the spec of the Pyrences were very difficult to a climatize. But it has been complete proven now that this acclimatization is \(n\) only possible but may be crowned with pe fect success, when pains are taken to en ploy the right method.

It is not recommended to transplant our gardens plants snatched from \(t\) mountains when they are in bloom at living under the conditions mention above. They would succeed hardly times out of a hundred in ordinary case
(Continued on page 162)

\footnotetext{
Tiny white and lavender flowers of Romanzoffia (center) remind one of sturdy Englis/l prints. Besile it Aubretias cling to their bit of soil
}



The scimmins pool lies in ain angle. It witl be enclosed, making a court in this cormer of the lionise. J. D. Leland if Co.,
architicts

THE HOME OF QUINCY A. SHAW MCKEAN PRIDE'S CROSSING, MASS.


Onto this original house, after its restoration, were alled newe seings that ramble comfortably. All the additions kept the style and spirit of the old house

Provincial early America, which stamps the outside of the house, has been carried inloors in the swoolwork and furnishing of the librar". The floor is of peggeil planks


A STUDIO TURNED LIVING ROOM


The interest of this quaint cottage, the home of Karl Keffer at Scarsidale, N. Y., is enhained by the rough textural treatment of the exterior walls and the irre gular shingle lines. The lone saeet of the roof is broken by a small dormer which admits light to the second floor bath

Tise bedrooms are located on the same floor a the living and dining rooms but are placel on a higher level and reached by a short flight of steps rising from the living room. The seionl floor contains taco more bedrooms, a bath and a large storage closet. Frank I I. Forster, architect




The home of Oswald Douglas, Lake Forest, Ill., is a successful introduction of the French chatean style of architecture into the Middle Western scene. Russell \(S\). Walcoti, architect



The entrance liall lets onio the living room, and the living room and dining room occupy most of the garlen side. A mple kitchen and pantry space is provided. Upstairs sleeping rooms have been introduced weithout loss of the architectural style

With this house we present one example out of many available whinch seem to indicate that French architecture will soon bear a pronounced influence on houses in America. It has dignity, elegance and tradition, and it is designcd for comfortable living


(Left) The concrete after being poured but before the forms have been removed. Forms are left in place until the wall has set

F O R A H O U S I

T"HE house which has heen selected to illustrate good construction was designed by Frank J. Forster in the Norman Englisl manner, to be built for Mr. E. C. Duble a Forest Hills, Long Island.

Photographs and drawings on this and th following page show the manner in which the foundation and basement walls of the house were constructed and the materials used.

The appearance of the foundation wall fter the forms have been removed may be seen at the right. The joists for the first floor are being set in place




1115 19 CEMENT FLOOR




The actual mixing of the concrete preparatory 10 filling in the forms is here shown. Clean sand, cement and gravel or broken stone are the ingredients of concrete



\title{
GASA S F U R N A C E F U E L
}

The Modern Gas-fïred Furnace Solves Many
Age-ald Heating Problems

\author{
ETHEL R. PEYSER
}

IT is not my intention in this article to make any comparison between the use of gas and any other fuel for heating. My objest is merely to give a clear conception of the gas-fired furnace and what may be expected of it.

There are three distinct methods of heating a house by the use of gas and, while r shall go into details about only one of these, I shall try to give a good idea of all three. The method in which we are primarily interested is heating hy means of the gasfired furnace. In this system the gas is utilized at a central heating plant and may be used as fuel for either steam, hot-water or hot-air radiation. The other two methods are best for use where the climate is mild, where a continuous seasonal demand for heat is not made, or where different rooms in a building need not be heated at the same time. They both make use of an individual self-contained unit to which the gas is directly piped. When heat in a room equipped with either of these types is necessary, the burners are lighted and heat is generated. One type is known as the space or radiant heater and operates on the same principle as the well known gas logs. The other variety makes use of a radiator which is similar in appearance to an ordinary steam or hot water radiator. Water which it contains is heated by burners at its base.

\section*{FACTS AND FIGURES}

Heating has now become an exact science. An expert in the field, known as a heating engineer, can, by estimating the space to be heated, tell the exact cubic feet of radiation necessary to keep each room at a comfortable temperature. This applies to heating with the gas-fired furnace as well as by the use of any other system, and anyone contemplating the installation of such a furnace can obtain an accurate estimate of its cost along with the cost of radiator installation suitable to his needs.

Coal-burning furnaces can be changed over to gas very easily but unless radical changes are made in the system the gas will not be used as efficiently as otherwise and, although a considerable saving may be made on the installation cost, the upkeep of the furnace will amount to more than if a complete gas system was installed. It has been estimated that the additional cost per year for gas in a converted furnace amounts to \(30 \%\) more than it would for a complete gas installation. The rea-
son for this is perhaps due to the fact that as a gas boiler is especially designed to suit the habits and characteristics of gas, so is a coal boiler best suited for use with a coalburning furnace. If you are considering transforming your coal-burning furnace make sure to correct the drafts as a gasburning furnace requires much less draft to assure perfect combustion.

The rapid growth of the use of gas for heating has been little short of marvelous. 2000 cities and towns throughout the country are now large users of gas for this purpose. Portland and Baltimore lead in the recognition of gas for heating. One firm in the year 1921 alone installed 50 ,000 gas furnaces. From these statistics it may be seen that gas-fired furnaces are neither experiments or novelties.

\section*{IMPORTANT CONSIDERATIONS}

Before installing a gas-fired furnace in your home be sure to obtain expert advice on the way in which the following consilerations will effect the use of gas for heating.
1. The type of gas in your vicinity.
2. The rate at which you must buy gas.
3. The gas pressure required by law.
4. The location of your house, its type and construction.
5. The number of rooms to be heated.
6. The insulation of your house.

If you desire to change your present heating system for a gas-fired furnace th. following list contains additional subjects to be considered.
1. Piping and main must be changed if not of the correct size.
2. Radiator valves should be adapted.
3. The cold-air intake system should be revised.
4. Warm air ducts should be changed to conform to the use of gas.
5. Inspect with a view to adaptation, chimneys, vents etc.

No heating system, whatever the type, if imperfectly designed and if installed without due consideration for its particular demands will be wholly efficient and satisfactory. Therefore learn all that you can about the furnace you have decided upon and carefully supervise its installation.

The cost for heating a house by means of the gas-fired furnace has, on the average, been estimated to be a little more than if oil was used and somewhat less than if coal was burned. But in considering the cost of gas as fuel it should be borne in
mind that with the gas-fired furnace ther is no additional cost for electricity for the running of motors or pumps as in som other systems. Therefore, on the whole there is little difference in cost as com pared with other systems of heating.

Fuel costs, whether for gas or for any other heating plants, can be reduced up wards to \(33 \%\) by proper house insulation In fact if only the roof be insulated th fuel saving will amount to about \(20 \%\).

When considering any heating plant is well to look not only into the initial cos and upkeep but the advantages which ac crue from its use should also be considere for these, although they many times can not be figured in actual dollars and cent saving, mean much. In the case of th gas-fired furnace some of its advantage are:
1. Independence from the uncertaintic of fuel supply.
2. Even heat through the entire house
3. Freedom from storage bins an tanks.
4. Ease of humidifying the air.
5. Freedom from ashes, dust and dirt

After recording the advantages of th gas-fired furnace I might mention the ond great drawback to its use. This is the hig? rate which obtains in many places for the use of gas. However in some districts, a the present time those under the contri of 74 companies, there are special rate made when gas is utilized for heating pur poses. In my opinion this practice wil become more general as the use of ga for furnace fuel grows.

PLACING THERMOSTATS
Thermostatic control is advisable for gas-fired furnace not only for its convenience but because it reduces the cost of fue by shutting off the gas when the furnace has reached the desired heat and automatically turning it on again when the temperature in the room drops below given point. Here are a few general rule regarding the placing of a thermostat so that it will function to the best possibl advantage. A thermostat should not he placed in:
1. Corner recesses,
2. Halls where it will be exposed to drafts,
3. Kitchens,
4. Bedrooms,
5. Positions where it will be exposed to (Continued on page 126)


The sketch above shores the use of taco different lesigns in the same room. On the sofa is the silk shown in the photograph at the upper left

NEW

\section*{FABRICS FOR}

\author{
DISTINCTIVE ROOMS
}

The fountain-like design of the silt: at the upper right alapts it 10 long window hangings. It is shown used in this manner in the above sketch

Below is a glazed chintzwith a rather
futuristic Calla Lily design on a
Ciolet, green, yellow or rose red
(romul. Mres Gillette Nichols


O
N this and the following four pages is shown a collection of new fabrics in designs typical of five periods of decoration. While a strictly period interior is the last thing to be desired, a combination of furniture, wall paper and fabrics having the same general characteristics is obviously more pleasing than a careless mixture of unrelated styles.

That the designs of curtain and furniture fabrics are as indicative of decorative eras as are the furniture lines or the architectural treatment of the background is apparent in the patterns shown in this portfolio. On this page is a selection of modernist motifs. Following are materials for both French and English rooms, together with fabrics for the interior done in the Italian Renaissance manner, and, finally, there is a page of gay designs which are suitable to the early American cottage or to the room furnished with French provincial pieces.

Sea gulls dart over a cool green landscape in the modernist linen below. It may also be hail with ant orange ground. The Frankl Galleries




The naive French peasant design of the green and beige tapestry above adapts it to early American furniture. Chandler Ireland. (Left) Lily of the Valley chintz in cream or blue. Macy

FABRICS FOR
COLONIAL
INTERIORS

(Left and on the dressing table) Semi-glaze.l chintz-beige ground and flowers in soft yellowe, mulberry and green. Mrs. Gillette Nichols. (Right) A charming toile comes in blue, rel, tan or heliotrope. Macy

(Left) For a child's room comes a crossstitch chintz in a
variety of color combinations. (Right) 4 new sateen for chairs has a green ground and a small pansy design. Mrs. Gillette Nichols


On the sofa shown above is a handwoven sunfast cotton fabric in a checked design. Macy. (Right) Star chintz with pinkish-orange, blue, lavender, red or jade ground. From Ethel A. Reeve



The curtain above is tan linen with a creacel embroidered bird and flower lesign. On the chair is a durable green tapestry patterned in softly colored flowers. Felicia Adams

F O R
R O O M S
D O N E
1 N T H E
ENGLISHMANNER

(Left) Linen with natural ground and delightful 18th Century figures in various colors. It is used for curtains in the room above. Equally effective in an English room is the linen below, in a Chinese design on a lacquer red ground. Chintz Sliop

The tatestry at the right is shosun on the chair in the upper left hand corner and below, left, is the crewel embroidered linen of the curtain. The linen directly below has flowers in rose and blue on a natural ground. Lord \& Taylor


The chintz on the sofa above is shown at the botom of this page. It is bluegreen, with a gay design of horsemen and hounds in naturalistic colors. An excellent fabric for a man's room. The Chintz Shop

Below is a semi-glazcd chintz suitable for living room curtains or slip covers. It has a raspberry colored ground and a decorative flower and bird pattern in soft green, blue and lavender. John Wanamaker

(Below) Soft taffeta swith a blue ground and stripes in gold, blue and peach color. Other color combinations may be obtained. The Hampton Shops. The linen below that has a pale blue ground and a pastoral pattern in delicate pink, blue and lavender. The Chintz Shop

(Below) Heasy yello:cotton with embroilered wool flowers in tan, henna and green. Lord \& Taylor. The toile below, in light brown, tan, rose or blise, has an amusing balloon lesign. Chandler Ireland. Both materials are shown in the sket:!
at the left


IN THE FRENCH TASTE
(At bottom of fage)
Satin with gold wereath and swan deign on a cerise, blue, green or yellow ground. Lord Eo Taylor. Red, green or gold silk weith gold wereath. Walter Jolunson


For curtains in a French room comes a silk damask, shoown at the left, in a graceful Louis XVI pattern. It may be had in green, gold, Venetian red or mulberry color. The Hampton Shops


(Above) Linen with natural ground and colorful Spanis/t design in crezvel embroidery. The Chintz Shop


The checked cotton fabric above comes in a variety of color combinations. Chandler Ireland

<<<<<<<<<<<<>>>>>>>>>>>>


The lacquer red sunfast linen above and on the bed below may be had in a variety of color combinations


The brocatelle above, in lacquer red and gold may \(b\) : used with Spanish or Italian
furniture


The bedspread at the left is sunfast linen in lacquer red with stripes in dark brown. (Above right, and on chair) Hungarian embroidery in greens, reds and browns. Ethel A. Reeve



A Spanish example of cut and engraved glass of the 18 th Ceirtury. From the Riano Collection in the Victoria and Albert Museum

WHEN the exhibition of Les Arts Décoratifs was held in Paris in 1925, visitors were greatly impressed by the many exquisite examples of engraved glass displayed. These particular exhibits, coming from many countries, brought the artloving world to a realization of the fact that we have entered upon a renaissance of the craft of engraving glass.

The new interest in this beautiful art sends us back to a study of its history and of those who wrought these beautiful objects with such consummate skill.

The Portland vase is, I suppose, almost as familiar to most persons as the Venus de Milo or the Dying Gladiator. After the tragic disaster which befell it (caused by

The yreatest contemporary Fresth master of The greatest contemporary French master of
engrazed glass is Renée Lalique, whose work is highly prized bv collectors. This is part of a Lalique panel, and has the action and vigor of a Parthenon frieze

\title{
THE STORY OF \\ ENGRAVED GLASS
}

\author{
A Collecting Field Well
}

Worthy of Investigation

GARDNER TEALL
a madman who dashed it to fragments on the floor of the British Museum where it was exhibited) and its subsequent restor:ation, this incomparable relic of antiquity became more famous than ever. Fortunately the piecing together of the fragments was made possible by the existence of exact copies of the vase which, some time before, Josiah Wedgwood had manufactured at his pottery works. As these remarkably fine reproductions in Wedg-wood-ware are still to be found, and ever currently produced from the Wedgwood moulds, there are many who labor under the mistaken impression that the original Portland vase was of ceramic fabric instead of being glass, cut cameo, as it is. Antiquity has scarcely handed down to us a more beautiful relic.

Engraved glass appears to have been the latest development in the artistic history of this material, even though it goes back so many centuries. Glyptic art naturally


Either from England or Ireland came this wine glass engraved with William III croising the River Boyne. \(18: / 2\) Century
suggested to the ancients the cutting of stratified glass in a manner to simulate cameos of semi-precious stones. But eve: in ancient times such work could not have been common. One may believe the Portland vase, in the first century A.D., was as highly esteemed and considered fully as precious as it is in our own.

The artists in glass of the late centuries were probably inspired by such examples of the glyptic art as they found in the earlier engraved crystal objects. Indeed the Italian glyptic artists of the Cinque Cento produced engraved crystal pieces of great beauty. One of these crystal workers was Valerio Belli, called Vincentino (Continued on page 138)


Another Lalique panel, companionins the one shown opposite, is disting uishe.l for the fine modeling of the human figures and the spirited action in their composition that approaches the Greek


In the group below are two goblets and a wine glass, all engraved with Jacobite emblems, and dating from 18th Century England. One of the goblets is engraved with a portrait of Prince Charles Eldward Stuart. From the Schrieber Collection

Left) The base of the Portland vase the most beautiful example extant of Roman engraved glass cut cameo. Shattered by a madman, but cleverlp restored. From the British Museun


England of the 18ih Century created with glass. This cordial glass is engraved with a rose and buds, a withered tree and the inscription, Reverscit


An 18th Century Spanishexample of engraved glass in which a chatean and trees figure. It huss an interesting winged handle ending in a decorative shell

One of the galleries in the Palm Beaill loome of E.S. Stotesbury is enriched with panels of Mooris/a tiles set into the plaster walls, len.iing added color to the Spanish furniture and rugs


A bathroom in the liome of E. S. Moore, at Palm Beach, has been created with tiles. Doors from a Spanish cupboari have been used for the medicine closets

In the Stotesbury liouse is a little kitchenette with spotless white walls touched with the color of Moorish tiles used in the sink and set in the wall above

\section*{VIVID COLORS IN}

MOORISH TILES

A newly completed garden fountain on the terrace of the Stotesbury house is covered with tiles from a collection Mrs. Stotesbury has been years assembling. Howard Maior, Arclitect



The bathtub in the Moore house is canopied and the sides are finished with colorful files that contrast with the plaster walls and the floor tones

In a shadowed corner of the Stotesbury garden is let into one of the walls this little seat made of colorful Moorish tiles in rich greens, reds, blues and yellows

FROM SPANISH HOMES OF FLORIDA


\section*{The GARDENER'S CALENDAR for SEPTEMBER}

This Calendar of the gardener's labors is planned as a reminder for all his tasks in sason. It is fitted to the Middle States. out should be available for the whole country
for escry one hundred miles nortl outh there be made a difference of from fio o seven days later or carlier in operations. The dates given are for an average season
\begin{tabular}{|c|c|c|c|c|c|c|}
\hline SUNDAY & MONDAY & TUESDAY & WEDNESDAY & THURSDAY & FRIDAY & SATURDAY \\
\hline \multicolumn{3}{|l|}{\begin{tabular}{l}
Round the cape of a sudden came the sea, And the sun look'd over the mountain's rim: And straight was a path of gold for him. And the need of a world of men for me. \\
ROBERT BROWNING
\end{tabular}} & 1 Changes in plant rangement are best deternined uron now
while the mistakes that have been mad are obvious object
lessons, actually be-
fore you. & \[
\begin{aligned}
& 2 \text { Evergreens of all } \\
& \text { sorts that have } \\
& \text { been recently trans- } \\
& \text { planted should be } \\
& \text { kept watered in order } \\
& \text { to force new root } \\
& \text { growth that will car- } \\
& \text { ry them thromgh the } \\
& \text { winter. }
\end{aligned}
\] &  & \begin{tabular}{l}
\(4 \begin{aligned} & \text { When banknng Col- } \\ & \text { ery with earth, be }\end{aligned}\) \\
careful not to let any
soil reach the hearts \\
soil reach the hearts
of the plants. The \\
together in one hand \\
the earth.
\end{tabular} \\
\hline  &  & \[
\begin{aligned}
& 7 \text { Fall planting of } \\
& \text { Roses is becoming } \\
& \text { popular as its advan- } \\
& \text { tagesare betterunder- } \\
& \text { stood. You will do } \\
& \text { well to prepare the } \\
& \text { bed now so it will } \\
& \text { bave time to settle } \\
& \text { before planting. }
\end{aligned}
\] & \[
\begin{aligned}
& 8 \text { There is still time } \\
& \text { to start a new } \\
& \text { Strawberry bed for } \\
& \text { next season's crop. } \\
& \text { Pot-grown plants of } \\
& \text { good quality should } \\
& \text { be used, choosing } \\
& \text { early, mid-season and } \\
& \text { late varieties. }
\end{aligned}
\] & \[
\begin{aligned}
& \text { Q The greenhouse } \\
& \text { should be thor- } \\
& \text { oughly overhauled } \\
& \text { before starting it up. } \\
& \text { Now is the time to do } \\
& \text { any necessary paint- } \\
& \text { ing, glazing or repair- } \\
& \text { ing of its heating } \\
& \text { system. }
\end{aligned}
\] &  &  \\
\hline  &  & \(14 \begin{gathered}\text { Soil for winter } \\ \text { potting ousht to }\end{gathered}\) be obtained nid inder cover. The best ately rich, containing
plenty of humus and some sand &  & \[
\begin{aligned}
& 16 \text { Newlawnsseeded } \\
& \text { cellent chance of suc- } \\
& \text { cess. The fall rains } \\
& \text { should soon arrive to } \\
& \text { lurry germination } \\
& \text { and get the turf well } \\
& \text { started before winter } \\
& \text { comes. }
\end{aligned}
\] &  & 18 Plantings of Nat been undisturbed i several years not in
frequently becomi \(\underset{\substack{\text { crowded. They will } \\ \text { lenefit hiv beid }}}{ }\) benefit ty being dug
noowt and tie bubs
sorted and reset \\
\hline  &  &  & 22 Deciduous plants ery kind can bedy best
(ransplunted when the foliage changes
color in the fall. This change indicates a
favorable condition of lormaney &  & 24 A Musiliroom bed right conditions will
bear in a few weeks. Do not try one unles You have a place with
a steady temperature
of about \(60^{\circ}-64^{\circ}\). & \[
\begin{aligned}
& 25 \text { s verything } \\
& \text { seady be made } \\
& \text { planting in October } \\
& \text { The soil ought to be } \\
& \text { enriched with old } \\
& \text { manure dug in to a } \\
& \text { lepth of at least } 2^{\prime} \\
& \text { and well mixel. }
\end{aligned}
\] \\
\hline \[
\begin{aligned}
& 26 \text { The old, hard } \\
& \text { fruited ought to be } \\
& \text { removed from Rasp- } \\
& \text { herries, Blackberries } \\
& \text { and other canes, as it } \\
& \text { will not bear again, } \\
& \text { Cut off at the ground } \\
& \text { line. }
\end{aligned}
\] &  &  &  &  & Here, in alleys \(c\) Far ahead the thr Here, along the Kecps the bec his & and green. h is seen; hern wall estival. TIN DOBSON \\
\hline
\end{tabular}


Aylmer bocrke lambert A well-known English botanist, who, among other things, was vice-president of the Linnaean Society and the author of works on the genera Cinchona and Pinus. 1761-1842

alex. dickson
An Irish horticulturist who has done and is doing great pioneer work in the interests of gardens. He started Rose hybridizing fifty years ago and is responsible for many notable *arictics


H INRICH F. LINK This distinguished German, born in Heldesheim, was professor of botany and director of the botanical gardens in Berlin. He was born in the year 1767 and died in 1851

WITH THE MEAL OR AS A, MEAL SOUP BELONGS IN THE DAILY DIET!
 prerogative. In homes where such standards prevail, the selection of Campbell's Soup is not so much an endorsement as a plain indication of a fact - that Campbell's chefs surpass all others in the fine art of soup-making.

With what subtle skill they blend their Ox Tail Soup, with its meaty, marrowy ox tail joints, nourishing cereals, fresh herbs and dainty condiments! A masterpiece in soup-making.


LOOK FOR THE RED-AND-WHITE LABEL


From an original teapot by William Ball Philadelphia Silversmith, 1752 - 1782

Philadelphia Cilver
\(\mathcal{X}_{\text {any }}\) of the choicest specimens of finely wrought silver were made by the Colonial silversmiths of Philadelphia.

A distinct style was established - rare, inspiring, with the charm of simplicity, of graceful lines and seemly decoration.

Existing examples, with few exceptions, are privately owned and when obtainable are almost priceless.

In the Caldwell world-wide collection of fine silverware, reproductions of Colonial styles figure importantly. The oval teapot with vertical sides by William Ball was used as a model by Caldwell in developing the tea set as illustrated.

J.E.Caldwell \& Co.
saying twelve, each in his own sweet way." A mad vigil with hopeless confusion, this. "I record only the sumny hours," says the dial in the garden by the Phlox bed. "I refuse to run in rainy or damp weather," said the clock in days when wooden works were easily swollen. The vagaries of clocks are manifold.

From days immemorial, time has masqueraded, till the furniture-maker and the silversmith have outdone the clockmaker in the lure of old clock 3 . They have entered the home in the guise of decoration, in the name of furniture. The collector is not eager for time, but for the odd form, the intricate traceries and signatures on the dial, the jewelled casing of it. When the first watchmaker enclosed his mystery of wheels and springs in small compass, be became the areh-tempt \(r\).

\section*{CLOCKS AS ATMOSPHERI}

Once was the day when only public buildings and the rich landowner could boast of timekeepers. And it is still a matter to ponder whether the homs near a public clock should have any need for any other. On the porch, during summer evenings, across the misty sweetness of the garden, where Hollyhocks look silver in the starlight, I have heard the factory bell mark the hours. It is checked up a few breaths later by the village church bell, hightoned and with more carrying quality. Season in and season out for many generations these Bellmen have kept vigil, proclaiming all well and God in His Heaven.

\section*{OCCASHON CREATES THE: NEFD}

There are no clocks, declares Shak:speare, in the Forest of Arden. That is as it should be. In other words, there needbenoimminent time unless occasion calls for it. One does not say, "I will read in the library from \(3: 23\) to \(5: 12\)." An interesting book obliterates time. One does not play golf within the stroke of hours, but until the eighteen holes are traversed. The siesta hourwhat is it but a lull in activity, when the bare rustle of leaves or twitter of birds seems more than the soul can countenance: If one wakens in the early morning and feels an impulse to push back the blinds, no warning from a clock on the wall, on the she! or by the bedside can discourage this fresh grecting of the dawn across bedewed fields. There is zest in thus cheating the waking gong; the empty room becomes a glory. And being thus late for breakfast-it proclains neither negligence nor indifference No clock can shame you.

A grod resides in every machine The factory does not cease its hum until the whistle blows. If eyes wander to the clock, it is a commentary on the pressing sameness of labor that dulls the mind and hurts the heart. The wheels of routine stop because the hour hand points to 12 or 5 . But the whistle has a broader significance: it is as though it blew cessation the country over, it is as though time, upon a breath, had placed a hand upon the loom and whispered a certain peace In olden days the monks timed their
prayers by the stars. Long before \(c\) dren know the features of a clo face, they see the sun in the East the West, they are told of Noon t hovers above the garden without sha I believe that thus symbolically ti should seep unobtrusively through house.

For time is a relative matter old Scotchman, at his death, desi that the house clock b: stopped. Th was no significance in the hour. wished ritualistically to mark his pi ing. For him, time had ceased to ex as we earthly mortals count time. F after all, "the clock goes as the cle pleases" and "lovers ever run bef the clock"-two proverbs that sho how personal the making of hours Time is made conscious only when the are close connections to keep. One do not enter in the guest book: "Arri at \(4: 1+\)." One registers in mind warmth of greeting, the state of shadows on the hills, the beauty blossoming Roses that know they m fulfil their destiny in June, the in shell cups that turn it into nect

An utter confusion arises in a hou hold which boasts of clocks in ev room. If you go by the hall clock, y are late; if by the library clock, y are hopelessly early. If your wrist wat is to be believed then the clock in t gruest room has a chronic lapse, whic no clockmaker can settle. In the din ing room is a lovely Colonial model its penilulum groans asthmatically time wheezes its way through day an uight. One rainy morning, you hay an ambition to see what interior dif ficulty prevents the bell from strikin lour mechanical ingenuity is cha lenged. Who cannot mend a clock lou assemble your household tools: rooked screwdriver, a hammer tha flies off the handle, scissors with on blade snapped off in the middle. You assault the master screw that holds the main wheel. When presto! the worl is as though composed of infinit wheels. Never was there such a start ling shower of springs and pins. O course you can never put it back in order. That's the mystery of house repairing-a clock is so easily taken apart-in fact, expertly taken apart, Then you spend ten dollars to have the damage remedied. And lo, the bell is inharmonious; you let it dig lown, never to sound again. Thus, the clock goes its way, never keeping exact time, wound weekly as a kind of inherited obligation, its face hidden by the mail, or some note. We glance at the clock when we come into the room, only for the message we expect.

\section*{FTIQUETTE OF CLOCKS}

The clock in the guest room-a you wise to have one: The bedpost timepiece was a 17th Century conception: so was the ancestral ghost who was accustomed to stand at the foot of the coverlet and gaze mournfully upon the sleeping mortal. I know persons to whom a clock in the room spells anathema. A wall clock in the dressing room rasps their nerves. The bare mention of a timetable means prostration.

We were talking about this one (Continued on page 124)


\section*{And best of all she likes the gift of Cannon towels}


Happy days are these for the bride-to-be! Parties galore! Showers of china-showers of aluminum, showers of this and that. But, most of all, she likes her friends to give the shower that includes a gift of Cannon towels. A gift of Cannon towels means another treasured addition to that snowy heap of handsome linens in the hope-chest. It means towels she will be proud to have in her new home - towels that will give good service for a long, long time.

And the giver of the gift will have the great satisfaction of knowing she has made a "good buy." For every dollar, or fraction of a dollar, invested in Cannon towels brings the exceptional values for which the Cannon brand is famous.

Cannon towels give you these remarkable values, because the Cannon mills produce more than half the towels sold in America. This tremendous production means lower manufacturing costs which are reflected in the lower prices
couse they know preference to other brands-because they will suit the most exacting requirements. Naturally, they are a sound and economical investment for the home.

Make sure of getting Cannon towels, by asking for them by name and looking for the Cannon label. Practically all dry goods and department stores carry the Cannon line, which includes every type of towel in a wide variety of styles, patterns and colorings. Everything from great luxurious bath towels of extra heavy weave, beautifully bordered, or patterned in fast colors, to splendid huck towels for hands and face.

Cannon towels are sold by the dozen as well as singly-at prices ranging from 25 c to \(\$ 2.50\) each. Cannon Mills, Inc., 70 Worth Street, New York.


\section*{A masterful combination of tone and cabinet beauty} approved by Mr . Kent in these words: "The Pooley Radio Cabinct is approved for Arwater Kent Radio because of the design and quality of Pooley cabinct work and because of the tone qualities of the Pooley
built-in floating horn. Both meet the standards we set and maintain for Atwater Kent Receivers and Speakers." (Signed) A. ATWATER KENT

WHAT you see-the Pooley Cabinet itself, in lovely period designs. The receiving set, factory-installed and tested, is Atwater Kent.
Then the magic that you never see-the magic of the Pooley built-in (patented) floating horn. Hidden behind its ornamental grille, this golden-voiced instrument awaits your pleasure. Its tone is a true achievement of scientific design and careful making, a delight at full volume or low.
An extraordinary combination: radio so truly an adornment, radio such an endless joy to hear. Beautifully, sturdily made, all batteries and wires out of sight, though instantly acces-sible-Pooley Radio Cabinets bring you the utmost in performance, beauty, convenience, and tone. In other words, all you could ask in complete and lasting radio satisfaction. All the Pooley Radio Cabinets and Pooley Speakers are shown and described in our new catalog. Send for it.

\section*{THE POOLEY COMPANY}

1696 Indiana Avenue Philadelphia, U.S.A.
Model 1100-R-2 (shown above)
Finished in American Walnut or English Brown Mahogany, with
built-in Pooley (patented) Floating Horn and Atwater Kent built-in Pooley (patented) Floating Horn and Atwater Kent
Receiving Set. Prices complete, without tubes and batteries. Receiving Set. Prices complete, without tubes and ate
\(\$ 200\) to \(\$ 280\). Other Pooley Radio Cabinets, equipped with
Atwater Kent Radio, from \(\$ 135\) to \(\$ 390\). Pooley Cabinet Speakers, which will accommodate Atwater Kent Sets, \(\$ 40\) to \(\$ 60\).
Beware of imitations - look for the name "Pooley" before you buy Pricesslightly higher west of the Rockies and in Canada. Canadian Pooley Radio Cabinets are manufactured by Malcolm and Hill, Ltd., Kitchener, Canada

\section*{CLOCKS THAT CHIME in the NIGHT}

\section*{(Continued from page 122)}
evening in my host's drawing-roon which in the city hung enchantingly from the eighth floor of an apartment overlooking the river with its myriad lights. Someone who abhorred clocks was telling his adventure:
"I visited a house once," he said, "where they were daffy about clocks. You were greeted at the lodge gate by one. Every step you took seemed to let loose some spring that struck the quarter hour, the half hour. There were chimes here and cuckoos there. All night I stayed awake playing tag with time. So the next visit I made I wrote that I would come on one con-dition-that I might be put far away from any one of those clocks. They did their best. I couldn't but smile at the blight that seemed to have settled upon time. I went to bed that nigitt in case and comfort. But the inferna! town clock filled the silence, trembling in the atmosphere several miles away. I remained awake from twelve to two trying to check up whether the hou:
was \(12: 00,1: 00\) or \(1: 30\). By th time my ear was acute. All the clock in the house seemed to be alive sur denly. I put on my dressing-gown, \(m\) slippers, and went on a tour of in spection. One little clock in a Dresde china case I found near the dinins room, ticking away joyfully. I fel upon it, and tripped to the serving table. I crammed it into a capaciou sugar-bowl, and went contentedly bace to bed. Of course they all had a goo laugh over this serious matter the ne morning. There is no condition of lif that thinking cannot make it so 'Why, this little clock doesn't go exclaimed my hostess, shaking th sugar from its surface. 'It was goin all right when I got hold of it,' insisted. 'How could it:' she persisted 'it hasn't any works in it! It's merel an ornament!'"

Clocks that chime in the nightpretty title, a poetic thought in realit -if it so happens that you are a sound sleeper.

\section*{EARLY AMERICAN BROOMS}

WHEN the history of common things in America comes to be written, the humble broom will have a quaint chapter all to itself. For this common object of household utility shares with its more important fellows of carly America a rôle in the development of our househoid industries.

The making of brooms in carly America is directly traceable to the Indians. They used sticks of birch or ash for handles and two tough splints for the brush, or sometimes the brush part was made by splitting a block of birch into slender strips. These were called "Splinter Brooms" and were sold from 8d to 9d apiece by the Indians and their squaws who peddled them around the neighborhood.
Later the Colonists made "Guinea Wheat Brooms." It became one of the houschold chores. In her diary of 1775, Abigail Foote, a lassie of Colchester, Conn., speaks of having to make one. Oven brooms were made of husks; others of birch, hemlock and rushes. Down South, among the aristocratic plantation owners, brooms were imported from England.

Although there was some sporadic planting of broom corn under the direction of Benjamin Franklin in Pennsylvania and under Jefferson in Virginia, it was not undertaken systematically until about 1798 , when Levi Dickenson planted a few hills in his garden at Hadley, Mass. From these he harvested enough material to make twenty brooms. The next year he planted half an acre and was able
to make 200 brooms. These he ped dled, together with reeds for makins baskets, around among the neighbor ing farmers. The third y yar he seeded down an entire acre, made mor brooms and extended his route.

Seeing his success, others in th neighborhood took to planting broon corn. Part of a barn or shed nea the house was turned into a workshop There brooms were made in fall and winter, and the little local industry started to hum. These farmers cut their own handles and the twine was spun from their own flax by thei women folks.
By 1799 Dickenson was carrying his brooms to Pittsficld. In 1805 hi agents went as far as New London Albany and Boston. The Shakers of Enfield took up the trade. They mad the "Shaker Broom," which had lons narrow shoulders and was tied with twine.

So prosperous did the broom busi ness become that by 1810 this county of Massachusetts was producing 70,000 brooms annually, and the na tives thought their future was assured Then came competition. Out West in the prairie regions of Illinois and Ohio, farmers grew stronger, longe and better broom corn than the farmers of Connecticut. Gradually the industry passed westward with the growth of the frontier. Today tobacco and onions are raised in those meadows of the Connecticut Valley where once Yankee broom corn tassels waved in the sun. And the farmers who cultivate this land are-Poles.


50 Body Styles and Types
500 Color Combinations
Standard -Fisher Custom Built-Fleetzoood Custom Built

Cadillac's genius for leadership was never so manifest as today, when, following on the heels of the most successful year in its history, when sales increased 87.5 per cent, Cadillac inaugurates the unprecedented plan of providing 500 color and upholstery combinations, and 50 body styles and types.

Thus to the unequaled performance of the new, 90-degree, 8cylinder Cadillac is added unexampled luxury and distinction -with the widest possible latitude for individuality in the selection of body style, color and upholstery.

Simultaneously Cadillac has added new improvements and refine-ments-notably in an exclusive cushion spring design that is incomparably luxurious and easeful; in added niceties of trim and fitments; in the development of new lines with larger and more curving fenders; a new radiator shell design; new and larger lamps-refinements which, in combination with an unapproached range of body styles and color selections, place the new Cadillac on a commanding pinnacle of individualized luxwry and distinction.


DIVISION OF GENERAL MOTORS CORPORATION



The Hingham
the illustration above is of a New reproduc．
TION－The hingham，so called because we found THE ORIGINAL，PRINTED in the SMALL PAPER SHEETS of the 1700 ＇s，in the ATTIC of the OLD WHITTON HOUSE at hingham，Mass．We have reproduced－Color EbFECTS WITH SOFT CONTRASTING SELF TONES．

\section*{Beautiful in 1797}

\section*{More Beautiful in 1926 as．}

What is true of our copy of this interesting and quaint old paper is true of every design，both new and old， that we produce．
Over 40 years ago Thomas Strahan，a wall paper dealer in Boston，Massachusetts，unable to secure papers to meet his exacting standards，organized this company to manufacture them．
Today Strahan reproductions of old colonial and orher period papers are as you would expect when produced by a factory actuated by the highest ideals and con－ ducted on a quality and not a production basis．
Other new and interesting Strahan wall papers can be seen wherever good papers are shown．

\section*{Ask your dealer or decorator}
to show them to you．
Thomas Strahan Company
ESTABLISHED 1886
Factory：CHELSEA，MASSACHUSETTS

\section*{GAS AS FURNACE FUE}
hot or cold air registers or grilles． Briefly，the thermostat control should be placed where there is no abnormal influence on the tempera－ ture of the room but in a position where the general temperature of the house is reflected．
since the gas companies every－ where have been advocating the use of gas for heating，an increasing num－ ber of houscholders have discovered tha：they can use an ordinary gas－ fired heating unit to heat homes in which hot water radiation is used． The heating lines are cross－connected with both the regular boiler and a heating coil．During mild weather the heating coil alone may be used and in extremely cold weather both can be pressed into service．

In some sections of the country where the gas supply cannot be relied upon it might be wise to cross－connect a gas burning system with a furnace to burn coal．However，this will not be necessary except in extraordinary cases．

To sum up the case for the gas－
burning furnace I might say that use of gas for heating is no novel o most of us．Most of us hav some time turned on the gas in kitchen to warm it and，if vou remember the heat that was \(g\) crated in this way，you can eas magine how well a srstem wh efficiently utilizes gas for heating w function．

A gas－fired furnace is not dang ous although every fuel has its dang if improperly used．Each gas－fir furnace is supplied with an automa afety gas cut－oft which insures users against the dangers of esca ing gas．
J．Arnold Norcross speaks of as furnace fuel in this statement：
＂There is nothing uncertain or perimental at this time in the app ances for heating buildings manufactured gas．They are pr tical，quiet，efficient，reliable and sa The necessary installation is simp requiring no fuel storage，clect motors，pumps or any equipm liable to develop individual trouble

BRETON and NORMAN FURNITUR
definite form，it is not surprising to find Normandy at the head of the movement，with a style of its own and yet so thoroughly French in feel－ ing that，even up until recent years， it alone represented in foreign coun－ tries the rustic furniture of France．

A curious fact，which has never yet been satisfactorily explained，is how much the rustic art of Normandy resembles that of Provence．Here we find the same taste for happy propor－ tions，the same well thought－out com－ position，the same opulently carved de－ tails，these latter all so well placed and so subordinated to the general ensem－
ble；and last，but not least，the s demand for the small hanging pi such as wall shelves，corner cabi etc．，all essentially French traits！ Careful research has convinced writer that in Provence originated art of rustic cabinet－making．For \(h\) may be found a very definite Lo XV period，while in Normandy ru furniture does not seem to \(h\) reached its zenith until under Lo XVI．On the other hand Norman is one of the rare places where Empire style and all those that lowed in its wake during the e
（Continued on page 130）


A Breton interior with the table－kneading－trough ant the bench with a back called tassel．Spoon holders hang from the celling


This photograph illustrates damage done to a beam in an Arizona liouse by non-subterranean termites. The only remedy in such a case is to replace damaged woodwork avith new treated seith some specific which weill keep ants awway

ELIMINATING THE FLYING AN

DE to the lack of information on the habits and destructiveness of termites or, as they are often called, flying ants, buildings are frequently erected with untreated woodwork i: direct contact with the ground. This leaves the way open for the entrance of these pests. In consequence, termites burrow into this woodwork and in many cases do great damage before their presence is detected.
As it is a great hardship for anyone to build a house and then after a feew years be foreed to make an additional outlay of several hundred dol lars to free it from the ravages of termites, the only effective and permanent remedy is to properly comstruct the buildin: so that it cannot be entered by these ants. To make sure of this all woodwork should either be treated with a solution of coal tar creosote or be well insulated from the ground. This can lee accomplished by the use of either stons or conerete foundations and lower flooring. Practicaliy all termites which damage buildings in this country are of subterranean habits; thercfore, if they can be kept from reaching woodwork from the ground, they cannot survive in the building. If they are present in a building after all untreated woodwork such as sills, joists, floors and the lik. have been removed from contact with the ground they will dic out. In other words unless these ants are able to reach the earth and obtain moisture from it, they will dry up. It would be a good plan for all cities to advocate the modification of the building regulations which was recently

recommended by the Entomolo the Department of Agricultu includes the following simple r prevent attack by termites: No sills, clapboards, beams, etc., treated wood should be laid in co without at least one inch of co underneath separating it frot earth. No lime mortar should b in foundation walls where they contact with the earth since te are able to enter lime mortar a has been in service for a few lll brick work extending belo curface of the ground should be and capped with at least one in concrete. These modifications into practice would save much erty as well a and worry o part of house ers. In fact would act as a of house insu
The use of steam insecti and fumis against the s ranean termita of no perm value whateve even if you ar cessful in di them out of house for a there is nothi prevent their ra ing the attac some other probably in \(g\) numbers than bo If conditions building are u able to them will leave; if can be prev from either le: or coming in by shutting the from the gr nothing further be done. An of prevention worth more tha teen of cure.

A section of foo ing from a ho in Iowa sh the action by terranean ter. on wood whic in close proxin,


\section*{BLACK*STARR \& FROST}
he Finest Large Emerald . . . This stone, a recent acquisition, is the finest large cerald that bas been offered for sale in the 116 years of our experience. The intensity and depth color in this large stone are perfect. The ring setting in which we are displaying the Black, arr es Frost Emerald is umusual in design, and worthy of this magnificent jewel. Courses of tguette diamonds are used througbout the mounting. Weight: over 18 carats . . Price: \$175,000.
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Gifts That Suit The Needs of Every Taste and Purse
IFTH AVENUE, CORNER 48 TH STREET, NEW YORK • PARIS • PALM BEACH • SOUTHAMPTON

Let's be frank about itw Wamsutta Percale sells at bigher prices than ordinary cotton sbeets and pillow cases. But you get much more than the price difference in extra wear, greater comfort, and lovely smooth whiteness.

\section*{The difference}

\section*{in wear-comfort-fine appearance is greater than the difference in price}

Do you measure the quality of sheeting by the way it wears? Wamsutta Percale and twentyfour other well-known brands were given a laundering test by Doctor Millard of Massachusetts Institute of Technology-the equivalent of six years laundering. Wamsutta Percale was strongest-by far, at the end of the test.
Do you measure the quality of shecting by its "feel?" Wamsutta Percale is petal-like in its fineness and its surprising light weight.
Do you judge sheeting by appearance? Wamsutta Percale is smooth and white, because it is closely woven and carefully finished.
The Vanderbilt, the Waldorf, the Mayflower, the Palmer House, and the Breakers, are only a
few of the fine hotels that find Wamsutta Percale sheets and pillow cases a source of delight to their guests-and a source of genuine economy in lowered laundering costs as well as longer wear.
Isn't that convincing?
The leading stores show Wamsutta Percale shcets and pillow cases in plain, hemstitched, scalloped, and embroidered styles. Look for the green and gold label.

All rugs woven in one piece of imported Oriental wool

\section*{MOSQUE PRAYER RUG}

The first authentic reproduction.

\section*{The New Rug You Have Promised Yourself}
must possess so many qualifications . . . your taste is constantly more demanding . . . no longer are you sat-isfied-as Grandmother was-with quality alone. Today, buying from a house of established reputation, quality is assured. We are on the crest of the luxurious wave in our manner of living and style is the paramount requirement in all things pertaining to the home.

\section*{bengal-Oriental Rugs \\ Reproductions of fine Persians}
have an alluring richness and beauty that no other rug can impart. The luxury of the Orient has been translated into these rugs with such subtle, elusive, truly astonishing skill that all the charm of the original is in these reproductions.

Our reproductions are entirely confined to
Persian rugs having a value in excess of \(\$ 1000\).
Price for \(9 \times 12\) size does not exceed \(\$ 185\)
in any part of the United States.

\section*{James M. Shoemaker Co., Inc. \\ 119 WEST +OTH STREET, NEW YORK}

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\section*{BRETON and NORMAN FURNITURE}
(Gominued from tage \({ }^{126)}\)

19th Century left an imprint as may be judged by various curious and original pieces.
It has seemed necessary to establish this parallel, made up almost entirely of contrasts, before taking up the individual productions of Brittany and Normandy whose opposite characteristics will thus seem more easily explained.

\section*{brittany}

In Brittany up until the 19th Century the bourgeoisie did not exist. There were only the peasants and the nobility. These latter hardly differed from each other in wealth or manner of living. In consequence we find no bourgeois furniture: nothing but rustic peasant pieces.

In the one and unique room that constitutes the lodgings of a farm or a village dwelling the pieces of furniture are placed side by side; one might almost say huddled together, along the four walls. At one extremity is the entrance door, at the other the chimney-piece. In going from one to the other, one must therefore pass between a continuous row of furniture, arranged in such manner that beds, armoires, buffets, etc., form a continual double façade, regardless of size and thickness. All alone, at one end, opposite the window and not far from the hearth we find the table, flanked by the traditional pair of benches; one of them, however, has a back. The table is placed sidewise so as to receive the light from the window

The entire household, masters and servants, men and women, eat, sleep and live in this one room. This forced promiscuousness, together with the dampness of the climate, necessitates certain particularities which are no better exemplified than in the bed.
The Breton bed, commonly called the litclos, is none other than a vast cupboard either single or doublebodied and supplied with bunks one above the other as on shipboard. Completely dressed, one crawls into this veritable sleeping closet through the opening made by a pair of solid wood shutters which one immediately draws together to ensure privacy while undressing and which one leaves closed to avoid sleeping in a draft. When the ordinary pancls are replaced by spindles, ornaments or material, the bed is called mis-clos.

The way the shutters are mounted, either like folding or ordinary doors; the shape of the aperture, either square or cut in profile, varies according to the vicinity-(Léon, Cornouailles, Vannes, etc.). But clos or demi-clos, the bed is always fore-flanked by a chest which contains the wearing apparel and at the same time serves as a step to reach the upper berth.

The wardrobes are square, heavy looking and massive in proportions. In Basse-Bretagne they have two bodies, separated by one large or two small drawers and in consequence have four doors. In Haute-Bretagne they are never elegant, and often, like closets, have but a single door. As to style, given the proximity of other French provinces, they might be called Louis XIII or sometimes Louis XV. In the
latter case, the cornice is often foun ornamented by a double-arched fronton

The buffet is really a china closet that is to say, the upper cupboard replaced by a series of open shelv for holding and displaying the chin

The table, deep banded, conceals the kneading trough and provisions which are obtained only by removin the top-board as one would remove cover.

The chest, an antiquity, if ever ther was one, has remained quite a common household article in Brittany. It serves at the same time as bench and con tainer, and, in fact, is put to so many other purposes that we find it adaptec to almost every piece of furniture, no only the bed but the cupboard anc the buffet, combined with which forms that hybrid piece, so dear the hearts of the Bretons, called trustel.

All the wood employed by the cabinet-makers is from native soil. Oak is often stained dark to look lik ebony, in the vicinities that board the Atlantic Ocean. Chestnut is polishec and kept light or painted brilliant red this latter especially in Haute-Bretagn: or Cornonailles. There is also pear wood, (stained dark), wild cherry fo the finer pieces, and boxwood out o which are fashioned the turned balus ters and spindles that run around th cornices or the shelves of all thi furniture, turn wheel-shape in doors, or ornament its rare opening
All fine panels are cut in diamond shape reliefs like round cakes Maltese crosses.

Intricate carved ornaments hardl made their appearance before th reign of Louis XVI and almost alwa remained in low relief or intagli The use of the human face for orna mental purposes is an invention the 19th Century and it must be ad mitted has served strange purposes All this profusion of uniform orna ments, agitating to the eye, is frami by equally uniform mouldings whic gives to Breton furniture an archai rustic aspect worthy of the Middl Ages.

\section*{NORMANDY}

Richer than Brittany, and less selt sufficient, Normandy lives more at ca than her neighbor. The home of the humbler peasant is composed of onc large single room called la maison which is at the same time kitchen dining room and bed chamber. Bu La maison is flanked by woodsheds an a back kitchen. Let the peasant hav even the slightest ease and la maiso immediately becomes a dining roon and kitchen, with the bed chambe quite apart.
It is the furnishings of such dwelling that we are about to tak into consideration as typical of rusti Normandy.

In a Normandy house three piece of furniture are considered essential the table, the buffet and the grand father's clock.

There are two types of tables. The first has one drawer and leaves a either end, which may be pulled ou at one's convenience, thus doublins
(Continued on page 132)


Two strings of pearls may have the same weight, and may be of the same size. They may present, to the amateur, much the same appearance. Yet one may be fairly valued at \(\$ 100,000\) and the other at much less. Why?

Those who have studied pearls know that, through many centuries, certain standards have become well established. These standards of coloring, size, symmetry, weight and other qualities determine their value. The attributes of a really fine pearl are not matters of opinion. They are definitely and easily recognizable-but only by experts. And yet a surprising number of people buy pearls without the advice of those who have been trained to judge this exquisite jewel. Even more regrettable, many such purchases are made through those who cannot and do not assume the responsibility for such important transactions.

Year after year, a growing number of people find that the word of Marcus \& Company is considered authoritative, and that their pearls and precious stones
are not only fairly priced, but in many cases are priced at sums that are less than one would expect to pay. As for the responsibility that should attend any transaction in jewels, Marcus \& Company assume it as a matter of course. Many distinguished men and women consider it adequate surety for their most important purchases.

There may always be seen at the store of Marcus \& Company a wide assortment of extraordinarily beautiful pearls. Singly or in perfectly graded strings, they are easily comparable to the finest pearls to be seen anywhere in the world. In fact, this store has become so well known for its large stock of fine pearls, and has sold so many famous strings, that it may almost be said to specialize in their selection and sale.

Strings of pearls from \(\$ 200,000\) to \(\$ 200\). A large selection of loose pearls to add to necklaces, priced from \(\$ 20,000\) to \$10. A distinguished collection of diamonds, rubies, emeralds and sapphires in many exclusive settings and designs.
MARCUS \& COMPANY

\section*{JEWELERS}

At the corner of 5th Avenue and 45th Street, New York City

\section*{(5mperial Yurniture}


\section*{A LOVELY BIT of COLOR for the LIVING ROOM}

YYOU can make a room more attractive with a piece or two of decorated furniture. This console and mirror for instance, in Chinese red and black with lacquer decorations, brings a touch of Oriental charm to the modern home.
The stores this month are showing the new fashions in tables for fall created by Imperial designers and decorators. Clever new shapes-woods of rare beauty-smart color combinations. You will find just what you have been looking for to give your home new interest.

Our new book, "Inside the Door," shows the new styles in tables and how to arrange them. Write Dept. E for your free copy.

\section*{IMPERIAL FURNITURE} COMPANY "World's Greatest \(\begin{gathered}\text { Table Makers" }\end{gathered}\)
grand rapids, michigan

In the drawer or on the under side of each table we place the Imperial green shield trademark to guide you in selecting authentic designs and better values.



In this Norman interior the woodwork is Louis XV and the armchair is in the Directoire style

BRETON and NORMAN FURNITURE
(Continued from page 130)
the length. Or, as in Brittany, it is a table-kneading-trough, with a hinged top. In either case it is invariably accompanied by a pair of benches without backs.

The buffet is of diverse shapes, although historically speaking, it is of recent importation into Normandy; probably the end of the 18 th Century.

On the North banks of the Seine in the pays de Caux it is a single-bodied piece, placed against the wall and standing rather high above the waistline. In the vicinity of Caen it becomes a double-bodied affair, with four paneled doors to close it. Sometimes, though rarely, the upper doors have panes of glass inserted. In the peninsula of Cotentin it becomes a china cupboard, with double doors at the bottom and shelves above, which in the locality is known as a palier. Often, even this superstructure of shelves is, in turn, surmounted by a small cupboard, closed by a pair of small doors, and used as a larder. Nor is this all. In the pays de Caux there exist vaisseliers, which are nothing more than a series of open-faced shelves called faux paliers, some of them even being complicated by a crate-like affair at the bottom used for draining the newly washed dishes.

In Normandy the silhouette of the grandfather clock is much more complicated, much more ornate than that of similar timepieces in other provinces. Its remarkable curved lines, which often make it comparable to the violoncello, are, in a measure, responsible for its nickname of demoiselle.

Add to the above-mentioned fund.amental pieces, the chairs, the chestbench (known as the chaise \(\dot{a}\) sel),
the double shelf called tumble holder, and a whole series of little hanging picces, much like those of Provence, and you have the complete furnishings of la maison normande.

In the sleeping apartment the bed is either in the middle of the center panel, or in a corner; almost never in an alcove. It is four-posted and draped with curtains. In times gone by, other styles of beds, now unheard of, were not unknown in Normandy. Take the region around Evreux, where the bed-alcove was a veritable annex to the wood paneled room, all openworked with carving and spindles. This, of course, was an extravagance and only avalable to the wealthier peasants. There was also, as in Brittany, the closed and the half-closed bed, the general appearance being that of a caverne, by which name it was generally known. Beside each bed was a chest, usually quite ormately carved.

Among the bourgeois, who ate numerous and wealthy in Normandy, the bureau (Fr. commode) of the Louis XV or Louis XVI period, was often to be found. It was generally ornamented by delicately handled mouldings and carvings. The armoire is de rigueur, not only in this class of society but also among the well-to-do peasants.

The Norman armoire, chef-d'oevvre of the cabinet-maker in the province, is one of the finest and most individual pieces of French rustic furniture. It is proverbially built of oak, blond, reddish or speckled, this latter depending upon the way the wood is sawed, and which beneath a coat of fine wax takes on a semi-precious aspect.

The architecture of the piece itself (Continued on page 134)


\section*{The Final Perfection of Riding Easement \\ In the Imperial " 80 " Chrysler engineers have given own-}
ers something more than ordinary roadability. They sought for stability and steadiness under all conditions and speeds and over the most difficult roadways.
For they knew that the public wanted easement of all riding disturbances-elimination of road shocks, jolting and sidesway heretofore considered inevitable even in the costliest of cars.
This they accomplished by revolutionary principles of shock absorption-special Chrysler-designed spring mounting-long, almost flat springs parallel to the wheels to prevent sidesway-spring ends anchored in specially molded blocks of live rubber, and these in turn securely held under compression in malleable
brackets at the frame ends. These live rubber blocks effectively insulate these springs from the frame and absorb all road shocks and road sounds. They also eliminate annoying squeaks and rattles and do away with the need of lubrication.
Thus Chrysler engineers have met public demand in furnishing unusual riding qualities and countless other features in a car as fine as money can build.
We are eager that you ride in a Chrysler Imperial " 80 ". Frankly, the results will amaze you. For you will experience a new conception of riding luxury-unsurpassed speed ability even to 80 miles and more an hour plus a balanced buoyancy of motion beyond comparison or precedent.

Eight superb body styles at new low prices, \(\$ 2495\) to \(\$ 3595\) f. o. b. Detroit
CHRYSLER SALES CORPORATION, DETROIT, MICHIGAN

\(A S \cdot F I N E\)
\(A \quad S \quad M \quad O \quad \mathrm{M} Y\)
.
C A N .
B U I L D

\author{
BRETON and NORMAN FURNITURI
} (G.omitinued from tage 132)
depends upon the different regions. In the Cotentin the doors are hung without a central cross-bar, and swing direct from the feet to the cornice This latter is straight in line. The carving is thin but fine. The hinges and lock-covers, in brass, are made at Villedieu-les-Poeles, so celebrated for its copper industry.

In almost every other region, the doors have the above-mentioned crosspiece. In the district about Caen the armoire is very wide and decorated with an oval encircled by mouldings. The cornice is arched or en calotte, the hinges are of polished steel, and the very abundant carving is minute in dotail. In the center of the cornice, in high relief, and almost detached, juts out a basket of flowers, flanked on either side and directly in the middle of each door, by a smaller panier feuri. The effect as a whole is one of wealth and profusion. It is only rarely that one feels a tendency to over claboration
In the region around Evreux the cornice is straight and the carving simple. The pays de Caux distinguishes itself by the arched cornice, cut somewhat in the shape of a cocked hat, entirely dominating a pair of carved pancis. All this within the limits of good taste, sometimes very scant and sober, sometimes luxuriously profuse.
It is rare to find an armoire normande that is pure Louis XV in style. Almost all date from the Louis XVI period, and with minor modifications follow these tendencies very closely. It is however quite possible for onc to have its mouldings cut in profile it la Louis XV, and be decorated with ornaments characteristic of the following reign; baskets and bouquets of flowers, laurel leaves, sprays of roses, grapevines, entwined hearts, pearls,
crgy and dart etc. etc. Oddas it may se neither the apple blossom nor leaf w ever immortalized in decoration.
As I have said before, the wood native oak. Beds, buffets and tabl may be built of ash, apple, cherry or elm. Exotic woods such mahogany and violet ebony were \(f\) quently employed in the bourgeois fu niture of the 18 th Century, arrivi in Normandy, as they did from Che bourg, Dieppe and Havre. But ev then they were used massively, at a rustic piece of such description practically unknown.
Normandy chairs hail from pays de Caux. They were general Louis XVI in type, with now at again a tendency toward the Lot XV lyre-shaped back; The latter w ornamented with sprays of flowers, turned spindles. The legs wo straight, with sometimes a slight var tion in the shape of a swell at t very bottom.

Evolution in style was swifter Normandy than elsewhere in the pro inces, and we find here what is m rare elsewhere, namely, rustic se: dating from the Empire and Restor tion periods.

\section*{References}

The regional Museums of Britta are at Rennes, Quimper, Hennebo Keriolet (near Concarneau), Nant Kerjean (Finisterre).
The regional Museums of N mandy are at Honfleur (Musée Mur cipal et Musée du Vieux Honfleu Rouen (Muséc de Rouen).

The photographs of Normandy f niture published as illustrations this article are from the "Collecti de l'Art régional en France," and a reproduced by kind permission Monsieur Charles Massin.

OUTDOORS WITHIN WALL,

\section*{(Cominued from page 75)}
the color of the Primrose leaves. The furniture is Normandy walnut, sevcral chairs being covered in old quilted petticoats of yellow sprigged in pink, and a long walnut daybed in a grev and vellow checked moire. The vases and ash trays and lamps are bits of old yellow ware, and there are several tôle jardinières holding Primroses, in and out of season. And, most exciting of all, there is a collection of old prints and watercolors of Primroses on the walls. The gloomiest, smokiest day of the winter has no effect on this little sunshiny room.

If you really care about garde and want to make a room particulat your own, settle on some one thi and collect prints and objects a chintzes relating to that. Whether be roses, or fountains, or Lilies, bir or butterflies, you will make yo room infinitely more interesting you make it a hobby. There are many gardenish things one can bri into brick-walled apartments, so ma chintzes and wallpapers that are \(g\) dens in themselves, there is no exc for being without a garden atm phere in any sort of abode.


\section*{When good bridesmaids get together}

There is intrigue here-glorious intrigue. Hushed whispers over the sheer beauty of their intended gift, its finely wrought design, its everlasting loveliness-rapturous prophecies of how thrilled their October bride will be.
And how thrilled she will be by their lovely gift of Ster-ling-genuine as the warm friendship that incites its giving, desirable as the true love it will ever convey.
May there always be intrigue, glorious intrigue, and gifts of nothing less than Sterling-solid silver through and through.
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\footnotetext{
J̌ustly proud of her home was Mrs. Fames Alexander, social leader of Colonial New Alexander, soctal leader of Colonial New magnificent solid silver bowl. The possession of Sterling has ever been prized-and gifts of Sterling ever cherished. Today, more lovely than ever is the selection at your jeveler's.
 Only when silver is stamped "sterling" is it genuine solid silver-one - metal through and through.
}

\title{
In the early days
} of the Wayside Inn


IN the sheds of the Wayside Inn at Sudbury, Massachusetts, still stands the ancient coach of General Eustace of Revolutionary fame. Within the inn are gathered the rarest examples of Americana in furnitureand utensils that careful judgment and unlimited wealth can collect.

Is all this searching of the past-this enthusiasm for the furniture of our forefathers that has swept the land, a passing fad or the mere fancy of a moment?

No! There is a philosophy in Early American furniture that goes deep into the spirit of our national life, and it
\(A_{\text {tambour desk with serpentine base, and }}\) McIntire eagle in the pediment

 touches the heart strings of countless people of sound judgment, good taste and fine perceptions. From the days of our first little shop in the mountains of North Carolina to our present factories in New England we have watched this spirit and appreciation grow.
If character and integrity are revealed not only in the government and literature of our American forefathers but also in their homes and in their furniture, may it not be true that these qualities will be fostered in our children if we surround them in their homes today with furniture that breathes the spirit of the best American traditions?

T\({ }^{W}\) HE decorative character of this furniture of our land is due to the fact that it belongs to the era of hand work. Cheap copies, hurried through on a quantity production basis, lose the subtle charm that is its chief distinction. That is why we emphasize the fact that

Danersk Furniture is made by our own skilled Scotch and English artisans. Whether we offer simple forms that lend themselves to modest price, or the most beautiful examples of the i8th Century period, with carving, color and inlays, they are genuine in character and true to the traditions of design that give them value.

A complete selection of Danersk Furniture is on display in our salesrooms-the only place where it may be seen. You and your friends are always welcome to come and see it, displayed in appropriate settings. Or you may obtain Danersk pieces through your decorator.
- AN old ship's cupboard makes an ideal bookcase and cabinst for a gentleman's study


\author{
ERSKINE-DANFORTH CORPORATION
}

383 MADISON AVENUE, NEW YORK
Opposite Ritz-Carlton Hotel

\section*{Chicago Salesrooms}

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Los Angeles Distributor 2869 WEST SEVENTH STREET


Performance + Performance is usually the first quality considered by the buyer of any fine car.
Though comfort, beauty, distinction, and a host of other requirements must be satisfied - the motor car must first of all meet easily every demand of travel and traffic.

Packard performance is supreme. Closed car speed is the true criterion. Even the largest of
the improved Packard Six and Packard Eight closed models, fully loaded, ask no odds of any car built-either in traffic or on the open road.

The top speed of Packard cars is too great for safe use anywhere off a speedway. But the power is there-reflected in a new standard of traffic agility and hill-climbing ability-the marvel of new owners.


A
C
K
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D


Bottle Bacilli, the cause of Dandruff. Illustration reproduced from Hazen's,
"Diseases of the Skin." C. V. Mosby, Publisher.

Dandruff, known scientifically as Pityriasis Simplex Capitis, is a disease of the deeper rooted cells of the scalp.
解 people, for instance, and especially children, are free from the disease until infected by actual contact with dandruff bacteria.
Dandruff is a disease difficult to cure, but easy to check
Unless checked and properly treated it has a persistent tendency to reappear, and loss of hair or even total baldness.
The treatment to check dandruff requires constant cleanliness and the use of a suitable antiseptic solution to combat the dis-
ease and to heal the scalp. ease and to heal the scalp.

\section*{Listerine does the trick}

DANDRUFF is not only an unsightly nuisance but it is a danger signal of more serious scalp trouble -loss of hair, sometimes actual baldness.

Women as well as men encounter this trouble. The present feminine vogue of wearing the hair bobbed has revealed to many women that they have dandruff, where they never were aware of it before.

Dandruff is a germ disease that no intelligent person will neglect.

The ideal treatment to combat dandruff conditions is the systematic use of Listerine, the safe antiseptic.

We have received hundreds of unsolicited letters from Listerine users, who are most enthusiastic in their claims for what Listerine will do in this way. If you are troubled with dandruff you owe it to yourself to try it.

The use of Listerine for dandruff is not complicated. You simply douse it on your scalp, full strength, and massage thoroughly. The effect is antiseptic, cleansing and healing. And you will be amazed to see how this treatment, followed systematically, does the trick.

Moreover, Listerine will not discolor the hair nor will it stain fabrics.

Try Listerine some evening when your scalp feels tired and itchy. Dandruff is probably causing the trouble. Apply it generously and then massage vigorously. You will find it a stimulating tonic for the scalp, and in addition to combating dandruff, you will find that it adds that luster and softness to the hair that is so important a part of being well-groomed.-Lambert Pharmacal Co., St. Louis, U. S. A.
LI



The Fudge Polls the Great cAmerican
Wood ソury "'Mr. Architect, you are a member of the jury that rendered a unanimous verdict for the use of California Pine throughout the house. Why do you favor it for interior favor it
trim ?


\section*{"Interiors of California Pine have lasting beauty"}
"The one place where accurate joinery and permanent good appearance are most important is the interior finish of the home-panelling, trim, moulding, mantels, bookcases, china closets, built-in conveniences, etc.
"I have found from experience with all woods that California White and Sugar Pine produce the most satisfactory results for all interior work. These woods have a soft, uniformly even texture which cuts easily with or across the grain without splintering, thus permitting fine sharp lines and contours. Nails can be easily driven anywhere without danger of splitting, assuring the closest and most accurate fitting and joinery. Carpenters tell me they like to work with California Pine because their tools saw and cut so easily and do not become dulled. For these reasons installation costs are less and material is not wasted.
"California Pine has a smooth, satiny surface that is easy to paint and retains sleek finishes. Thus the painter, too, likes CaliforniaPine. Less

Personnel of the Jury: The Architect, The Builder. The Carpenter, uffcturer, The Pattern Maker, The Frame ManUffcturer, The Shipper, The Cabinet Maker, The Wood Technologist, The Painter, The Manual Training Instructor.

\section*{The Verdict}
"The qualities of these pines make them, superior for every part of the home."
paint or enamel is required to 'hide' and 'cover' this white-toned wood. The smooth finish lasts, because of the absence of 'grain-raising' tendencies -there are no hard and soft streaks in this wood. And because California Pinecontracts and expands butslightly even in extremes of temperature and moisture, interior trim made from this wood 'stays put.' No unsightly cracks or openings develop to mar the beauty or symmetry of design or enameled and painted finish.
"California Pine, in spite ofits dominant service-qualities and attractiveness, is not an expensive wood to use. Large stocks and continuous largescale production assure ample supplies at moderate costs.
"These are important reasons whyarchitects prefer California Pine, not only for interior finish, but also for construction throughout the building. It will pay you to talk with your architect and builder about the many advantages and economies of California Pine."

CALIFORNIA WHITE AND SUGAR PINE MANUFACTURERS ASSOCIATION
Also producers of california white pir, californta douglas pir, california incense cedar



\section*{Don't stand blindfolded when you build}

Everyone who builds a home should know the A B C's of building. Our free 48 page il-lustrated book "Pinc Homes" contains valuable homebuilding information set forth in simple, easily understood terms, with graphic illustrations of the various operations incident to construction; also many reproductions of attractive homes. An hour's time with this book takes the mystery out of building. If you are a prospectivehome-builder you will enjoy reading it.


Strect _-_

\footnotetext{
City \(\longrightarrow\)
}


\section*{@ariano Fortuuny}

\section*{A MODERN}

\section*{NECROMANCER}

In producing the lovely fabrics that bear his name Mariano Fortuny draws generously on the finest examples of the ancient weaver's art and on his own artistic inheritance. Yet to all this a dash of magic is added. Old designs can be-and are-reproduced by modern machinery. But to make stuffs which have not only the designs but the very richness and subtle color shadings of treasured antiques, requires the wizardry which only Fortuny has mastered.

Have you longed for a piece of old Florentine damask for curtains? Or a lovely old Genoese velvet for a wall panel? If so, you need go no further than the nearest decorator if you will be content with the effect of age.

Although band made and imported from Venice, the best interior decorators sell Fortuny Fabrics at moderate prices which are often belowe those of modern, domestic textiles. They will gladly show samples and quote prices even if your wish only a yard or two to make up at home.

\section*{FORচUNY of VENICE}

THE STORY OF ENGRAVED GLASS
(Continued from page 116)
(1479-1546). Among other early Italian crystal engravers were Girolamo and Caspare Miscroni of Milan, who received commissions for their craft from the Emperor Rudolph II.

The sovercigns of the 16 th Century in the north countries had an eye to things artistic, and crystal cups fashioned by the deft hands of Italian artist-craftsmen particularly appealed to them. Likewise, it came to be with beautiful objects in glass, for these same lords were not content with relying on the importation of art objects; they definitely gave continucd encouragement to home production, and their own artists did not lack in substantial patronage or the means of bringing their products to perfection.

Writing in 1675 , Sandrart, an early authority on glass, says that the art of cutting (engraving) glass was rediscovered by a German named Caspar Lehmann "Privy Gem-engraver and Glass-cutter to the Emperor." A patent of protection and "twenty marks in gold, fine alloy," were his reward. Lehmann did much to perfect the processes of glass-engraving. He died in 1622, but left a pupil and worthy successor, George Schwanhart, and under him the art of glass-engraving advanced with such strides as to win him praise on every hand, and his character was such as to bring to him the friendship of the most important people at court.

Sandrart refers to the somewhat clumsy apparatus which the early German glass engravers employed. "When we consider the big heavy wheels that they were fain to employ, turned by those flourishing weeds-their loutish assistants-we may well marvel at the work they turned out. . . . And yet these glasscutters of today, with all their ad-
vantages, might obtain from thei patrons still greater praise were they o devote themselves more to the prac tice of drawing and to traveling abou instead of marrying early and, as consequence, having to work in the kitchen."

The Venetians had engraved glas by the diamond-scratching method The Germans also used this metho before (and also after) Lehmann' wheel-engraving method. In Silesi engraving glass with the diamon point reached great perfection in th 16 th Century. But the first to "en grave" glass by means of acid appea: to have been Henry schwanhart, brother of the George Schwanhat mentioned above. He produced piece engraved with landscapes, views o cities and quite elaborate work. On shows a fine and correct view of th city of Nuremberg.

We may consider that glass-engray ing comes under five general heads engraving by scratching with a dia mond; engraving by means of a smal revolving wheel; engraving with cutting wheel aided by emery powde or like material; by means of a larg wheel (as used in the production what we call "cut glass") ; engravin by exposing surfaces to the fumes hydrofluoric acid, the only acid tha will attack glass

Glass engraved by the diamon point method has always exercised fascination and it is not without i romance. People of position-em perors, princes, nobles-tried the hand at it. The Emperor Ferdinan III is said to have learned the art. It Holland glass-engraving by diamon point was much affected b. ladies. the National Gallery at London hang a fine portrait by Jan Lievens of (Continued on page 140)

\title{
Now - a Rew Correctness evokes rare beauty of Jable Décor
}


An Authoritative New Book on Table Decoration and Etiquette

YoOU will be delighted with this attractive and informative book, which deals comprehensively with the etiquette and the smart decor of the table. With many illustrations of the table and its setting, it will help you arrange your table with charm, distinction, and correctness. Please write Dept. H-1, enclosing 25c. The Irish \& Scottish Linen Damask Guild, 260 West Broadway, New York City, N. Y.

Candle flames caught by crystal!
...Tall voluted glass! A flare of flowers carried outward by adroit ornament-a beauty released \(\ldots\) and suavely caught at each place by the shape of rare china, the clean lines of silver. This whole fragile impermanence of beauty caught and held together by a lovely expanse of soft patterned white.

How inevitable that the brilliant simplicity of this effect should appear on a Linen Damask! The sheen, the particular lustre, the associations of Linen Damask alonc could weave this spell of beauty.

The table covering has always been of first importance to the hostess. At a glance it implies her taste. Her choice in napery must be impeccable.

And here in the covering of the table, style has made a decisive gesture.

A pure white Linen Damask cloth appears everywhere in those homes where authenticity is intuitive.

At your store there is now available a variety ranging from the simplest cloths to the most elaborate.


Atable with clever ar-
rangements for smoking

A reproduction of an
exquisite Roman chair.
Back and seat of tooled


A cabine
requires
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uttle requires but uttle
space. The nanel has a
fashionable fashfonable shlt desten.

\section*{Decorative, Charming Moderate in Price}

Designed after Spanish peasant motifs, the dining group shown above reflects the newest trend of the decorative vogue

The characteristic beauties of Spanish design are delightfully emphasized in the hand-twisted iron stretchers, tooled leather panels, and the studding of antique brass nails. Altogether a most distinctive creation for the dining rooms of small homes and apartments.
Many Hastings dining groups and occasional pieces are on display at your dealer's. Among them you will find many happy suggestions for brightening your home at moderate cost.

HASTINGS TABLE COMPANY
Hastings, Mich.
Factory Sules Office and Display: Keeler Building, Grand Rapids, Michigan

\section*{HASTINGS \\ Ziviniture}

\section*{THE STORY OF ENGRAVED GLASS}

\section*{(Continued from page 138)}

Dutch lady, Anna Maria van Schueman, famous in her day as a member of literary circles. This lady engraved for her amusement many exquisitely wrought pieces of glass. The 17th and the 18 th Centuries found Dutch diamond point glass engraving carried to a perfection not reached before or after in any other country. A lover of old glass may still hope to pick up specimens of this work in unexpected antiquarian nooks and corners.

The Pointillé (Stipple-dot) method of glass engraving came greatly into vogue in Holland in the 18th Century. Frans Greenwood (who, from his name would seem to have had English blood in his veins) was one of the carliest of these engravers on glass by the Pointillé method of which there is record. Signed pieces by him are extant. Wolf, who worked at The Hague, was undoubtedly the greatest of the masters of the Pointille system. He was, however, one of the later glassworkers as he lived until the year 1808. His portrait is to be found in the Rijks Museum. Wolf was by no means the last of these Pointille engravers: his traditions were carried on and were handed down by Henriques de Castro who died in 1862.

The coming to London of Jacob Verzelini and other Venetian glassworkers in the 16 th Century naturalized the glassworkers craft in England. This culminated in the discovery of flint glass by George Ravenscroft about the year 1677 . Following the Treaty of Utrecht in 1713 and the accession of George I the year following, great quantities of Bohemian engraved glass were imported into London and soon became popular, and local glassworkers began to turn their attention to engraving. Of course this was not the first engraved glass known to the English, for Verzelini had, during the years \(1577-\) 1586 engraved goblets. But the introduction of decorative glass engraving by the wheel method awaited the arrival from Germany of the glassworker Haedy, or Haedius, who came to London about the year 1727. A the Excise Act of 1745 imposed a tax on glass according to its weight and not its value, great encouragement was thus given to engraving on glass, and the London glassworkers produced quantities of the so-called "curious" glass.
It seems rather strange that London retained the complete monopoly in England on engraved glass apparentiy until 1750. From this vear glassworkers migrated to the provinces. In

Ireland, it is true, Joseph Martin produced some engraved glass as early as 1735. But not until 1794 do we find glass-engraving locally practiced Manchester.

Diamond point engraving was not fashionable in 18th Century England, although Giles of York was engraving elass as late as 1750. Collectors of English engraved glass will find specimens engraved before \(17+2\) compar tively rare. From 1765 to 1800 the classical taste predominated in glassengraving and the pieces of this period have less merit in consequence. Then one must take into consideration that up to 1750 glass decoration was supervised by artists in the craft. The carrying of the craft of glass-working to the provinces naturally led to the production of quantities of indifferently engraved pieces, since there were not at hand in the provincial towns the trained artists to supervise work of the sort produced in London in the earlier years.

The French artist Emile Gallé born at Nancy, 1846, revived an interest in glass by his remarkable productions, cut and engraved with extraordinary kill. He sought all sorts of effects in colored and in plain glass and their combinations. Some of the best of the Gallé glass is wonderful and beautiful. Perhaps all of it is wonderful, although not all of it is beautiful. Gallé was truly a poet whose poetry was written in glass. In the Musće des Arts et Métiers, Paris, is a memorial collection of Gallé glass which everyone interested in the history of glass should endeavor to visit.
The next great French glass engraver is our contemporary, Renéc Lalique, an artist in every sense of the word. He, too, is a poet in glass, and gives us in his work a unique interpretation of Nature.

There was no surprise awaiting the visitors at the Paris Exposition des Arts Décoratifs greater than that found in the remarkable pieces of engraved glass by contemporary artists of Czecho-Slovakia, Austria, Belgium and Italy. Jaroslav Horejc-and Stefan Rath working in collaboration; Anna and Guido Stella; Fräulein Lotte Fink; Vally Wieselthier; O. E. Wagner; Carl Hisch and J. Beckert are the names of some of the artists in engraved glass which collectors of the future will undoubtedly prize highly and seek sighfully. At any rate, it is gratifying to see how immediate a recognition is given the truly fine engraved glass wrought by the artists of our own time. olove fine silver is an American tradition. Back before the 1800's happy brides and gracious hostesses treasured their few pieces above everything else. And well they might, for nothing finer in the work of Early American craftsmen is to be found than wrought by these old master silversmiths. But todaythe few pieces that remain are almost priceless.
It is directly to the two most famous collections of Early American Silver-in the Metropolitan Museum of Art, in New York, and the Boston Art Museum - that we have gone for the inspiration of our new pattern. Its name-the Early Americanis a tribute to the old silversmiths and a suggestion to the brides and hostesses of today, who want their homes to express the decorative spirit of early American days and ways. In such homes the Early American Style in Treasure Solid Silver is a final note of lovely harmony with all its surroundings. Every requirement of the most complete service has its matching piece - plain or engraved, as you choose. And the same precious metal through and through, as a gift, or for yourself, it is an investment in genuine beauty.

> See the "Early American" at your jeweler's, or write us for illustrated brochure.

\section*{Rogers. Lunt \& Bowlen SSIINERSMITHS 3 Ereenfield Nass 2}

\section*{20 South Norwood Street}


This quaint Japanese "Hiroshigi" design in various colorings, on grays, putties, olives or mulberry background, makes a charming hall, living room, or dining room wall.

\section*{Lloyd \\ Japanese Grasscloth}

\section*{a wall covering of unusual charm}

NHE ever-growing popularity of Lloyd Japanese Grasscloth is due to its beauty, coloring, and ruggedness. It is a hand made material unique in its manufacture. It is made from stripped honeysuckle vines woven by hand, backed with rice paper and dyed. The designs are then stencilled on by hand. The plain effects are also very popular and come in all shades.
Grasscloth on the wall brings into the home a touch of nature. The natural lustre of the honeysuckle vine will never vanish. The Lloyd collection of Japanese Grasscloth as well as English, French, Beigian and other wallpapers is the largest and most varied in America.

> Your decorator or dealer will show you Lloyd grasscloths and wall papers or, if none be available, we will gladly send samples if you will write describing the rooms to be decorated, the style of furnirure used, the color of draperies and color scheme preferred.

\title{
W.H.S \\ Lloyd
}

105 WEST 40th STREET NEW YORK
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570 Atlantic Ave.
NEWARK
Walnut Stree
FOR OVER FORTY YEARS IMPORTERS OF GOOD WALLPAPER
W. H. S. LLOYD COMPANY, 105 West 40th Street, New York Please send a sample of the Grasscloth illustrated above (Hiroshigi).


Healy
Bed plantings of Tulips are arranged with the bulbs set at regular intervals and in straight or curved lines. Careful attention should be given to the color effects. Plotographed in the garden of Hubert T. Parson, Elberon, N. J.

\author{
MAKING THE GARDEN OF BULB
}

\section*{(Continued from page 95)}

The size of the garden; whether is will be of the formal, informal, or naturalistic type; whether it will be a garden of bulbs alone, or of bulbs used in conjunction with other flowers -all these, of coursc, are questions which have or should have been settled before the actual making of the garden is begun. If, however, your ideas of just what sort of a bulb garden you wish are still somewhat indefinite and hazy, you will find that nothing will clarify them like putting down on paper a plan which shows dimensions and indicates the varieties and their relative positions. Before you actually start work, make a plan, no matter how small the garden nor how rough the plan.

With your starting point thus established, the next thing to consider is the matter of drainage. With a very few exceptions all bulbs require thorough drainage. And even the moisture loving species of Lilies and Irises, which the beginner is likely to think of as almost amphibious, will not survive when water stands in the soil about the bulbs.
There are several ways of providing drainage. If the soil is naturally heavy and wet it is best to plant on a slope, if possible, using the dryest spots for such bulbs as particularly prefer dry soil. If the natural drainage is insufficient, it can usually be remedied by thoroughly breaking up the subsoil. This can be done by digging out the surface soil over the area of the bed, placing it to one
side, and then thoroughly breakir up the sub-soil with a pickaxe. Ov wider areas, for instance where bul are to be naturalized, agricultur dynamite may often be used effe rivels, obviating the necessity of 1 moving the top soil.

Where the land lies so low th one cannot get rid of the surpl water by draining it down throu the sub-soil, artificial drainage \(m\) be provided. For beds of moder size this can be done without gre inconvenience or expense, either placing a layer of drainage mater under the surface soil, or by raisi the bed itself a few inches, or extreme cases several inches, abo the average land level. Raising a is extremely effective in providin good drainage, and by this meth bulbs may be successfully grown ground which might at first be sidered impossible for use.

In providing additional draina material, the soil should be dug of the bed as far as the sub-soil, latter should be thoroughly broken and pulverized, and if necessary moved to a depth of several inch and then a layer of the draina material placed in the bottom of bed. For this purpose sifted coal ders-neither clinkers nor soft ashes is better than anything else I ha used. If the domestic supply of th is not sufficient, they may usually had for the hauling from some near mill or railroad yard. Coarse gra
(Continued on page 146)


A good bulb bed cross-section shows (a) subsoil, (b) drainage material, (c) humus, etc., (d) loam, (e) winter mulch


Where the ground has a ten dency to be poorly drained the bed may be raised so as to lift the bulbs above the water line


Dining Room furniture must serve two masters. It must be sufficiently informal for the family gathering, yet possess a more dignified mien for the formal dinner. The happy combination of these essential qualities is to be found in a suite such as that pictured above. It is but one of the many beautiful sets now available at moderate prices.

\section*{W. \& J. SLOANE}

\section*{47 TH STREET AND FIFTH AVENUE NEW YORK}

IO CHALIAPIN, world-famous operatic genius, the Baldwin is more than an instrument of music. It is a versatile companion in the interpretation of his art.

The Baldwin brevet of distinction is surpassing purity and resonance of tone, responsive alike to the ex-
acting demands of the accompan ment and the solo.

In any Baldwin you will find a nev revelation of your musical dream Visit the Baldwin dealer near you BALD WIN Uprights, \(\$ 850\) and \(u t\) Grands, \(\$ 1400\) and up; Reproducin Models, \(\$ 1850\) and up. Convenien payments if desired.


A New-Style Kitchen as Arranged by Penrose V. Stout-Architect

\section*{A SMART NEW STYLE TRANSFORMS THE KITCHEN}

OUT of the chaos of old-time kitchen arrangement comes, now, a new simplicity of line. A new smartness. No more the up-and-down jumble of jutty surfaces; of irregular shapes. Gone, at last, is the most stubborn objector to room lines. Gone, is the rambling, old-fashioned gas range. Comes now, the new Smoothtop Gas Range. Its top is flat-an unbroken plane. Its burners-enclosed. Its lines are those of a console-straight. It perpetuates room lines. Not a lightdenying, line-destroying box, perched
in air, is Smoothtop's oven. But an unobstructive, built-in unit - gracefully lowered to convenient, table-drawer level....Smoothtop conforms. Fits in. Its surprising saving of floor-space is accompanied by a startling increase of cooking-surface....Architects and decorators, encouraged - even inspiredby Smoothtop are creating a new kitchen style. Six of these smart, new kitchens, as planned bysix prominent architects, are shown in the book couponed below. Wouldn't it be interesting to study them?

If you are not served with City gas, write us for information about portable gas service main tained by a nationally known producer of compressed gases. It is adapted specially for use with Vulcan Smoothtops. Standard Gas Equipment Corp., 18 E. 41 st St., New York City.


\author{
There is only one Smoothtop, a Vulcan \\ product. It is fully protected by patents \\ in United States, Canada \& Great Britain
}


\author{
An Entirely New Cookery Better-Easier
}

It revolutionizes cookery, too-this new Smoothtop Gas Range. Stews, soups, pot roasts are done by a new, savory simmering. Vegetables are finished with the new speed cooking; it retains all their precious mineral salts and vitamins. Entire meals kept hot till time to serve. All this with far less watching, less fussing, less cleaning.

Super
6 xander Vulcan Burner
This Smoothtop cookery has really been created by the Super-Vulcan Burner. Note the aeration plate over the gas port-holes. This creates the hottest, steadiest gas flame known. Yet, no more gas is consumed.


4 Cooking Zones
Each burner heats 4 distinct cooking zones. Speed, Boiling, Simmering, Warming. All without regulating the gas-jet. You cook with a graduated hot-plate. It's wonderful.

\section*{Oven}

Heat Regulator

\(75 \%\) of all cooking is done top-stove. But Smoothtop's equipment is complete, even to the little control wheel which gives oven heat regulation.
"How to Plan the New-Style Kitchen" Contains beautiful full color illustrations of 6 newstyle kitchens, as planned by 6 leading architects. Tells how to achicve the new kitchen smarmess, how to improve spacing, placing and lighting.
10 c in stamps.

\section*{"Smoothtop Cookery"}
is a cook book with a new viewpoint. Solves meal planning and work planning. Shows how to do more cooking with less trouble; how to use "leffited by Sarah Field Splint. 25 c in stamps.

Please check the coupon, and mail

\footnotetext{
Standard Gas Equipment Corp.
18 E. 41st St., New York
Please send me the books checked. I enclose stamps in amount required for each book checked.
The New-Style Kitchen", 10c
"Smoothrop Cookery", 25c
"The Book of Smoorthtop Gas Ranges", (Free)

\section*{Name}

Address.
}

\title{
G \\ I \\ 
}


In this delightful interior, Early American mahogany and pine are happily combined, a note of luxury being given by the overstuffed chair. The hangings, upholstery and bedspread are of the new Gilbrae Brocaded Toile in the Mount Vernon design in blue and silver gray.

\title{
rocaded Toile
} a woven toile de jouy


THE LATEST DRAPERY FABRIC
Again Amory, Browne \& Co. are introducing a new fabric-a smart Toile de Jouy woven as a brocade. This delightful material is figured with quaint genre pictures - landscapes, houses and people. Its popularity bids fair to be as instantaneous and widespread as that of the stunning printed American Toiles de Jouy brought out last season.

EOR many years the delightful old printed French Toiles de Jouy have been the joy of decorators, who have appreciated their colorfulness and their quaint charm. Yet brocades are the material par excellence for luxurious interiors, used for wall coverings as well as for upholsteries, draperies, bedspreads and cushions.

Now, in the new woven Gilbrae Toile, these two interesting fabrics have been combined-the weave is brocade, the design Toile de Jouy. It comes in mulberry, blue, gray, rose, gold, green and black, and is sturdy in weave and rich in texture. Like all other Amory Browne Drapery Fabrics, it is fully covered by the following guarantee: If any Amory Browne Fabric should fade, we will refund not only the full cost of the material, but also the cost of labor and trimmings.

Besides the Brocaded

Toiles there are sold under this same guaranteeWauregan Chintzes, glazed and unglazed, in flower effects and Toiles de Jouy; Indian Head Period Prints in a wide range of designs, including Toiles de Jouy; Gilbrae Shadowray, a semi-transparent Rayon in two-tone iridescent effects; Lancaster Casements and upholsteries, including Slip Cover Cloth - a gay, practical material for slip-covers; and Gilbrae Rayon

Damasks, Brocades and Roman Stripes. These are all sold under the same absolute guarantee.

Ask to see these new fabrics at your favorite shop.

If your dealer doesn't carry them, write us, and we will tell you where to get them.

To professional decorators: This complete line is being displayed by H. B. Lehman-Connor Co., Inc., New York, Philadelphia, Boston, Chicago, and San Francisco.

The Mount Vernon design illustrated here was inspired by Washington's home, one of the most charming of the Early American estates and a shrine in the heart of every true American.

\title{
Amory Browne Fabrics
}
62 Worth Street, Amory, Browne \& Cor \begin{tabular}{l}
48 Franklin Street, \\
New York, N. Y. Boston, Mass. \\
234 So. Franklin Street, \\
Chicago, Ill.
\end{tabular} Railway Exchange Building,
St. Louis, Mo.


Distribution of the bulbs in a naturalized planting can be lone best by scattering them free-hand. This results in a certain absence of formality in the placing zwhich is essential to the greatest effectiveness in a planting of this character.

\author{
MAKING THE GARDEN OF BULB
}

\author{
(Continued from page 142)
}
is also excellent. Broken stone, old lime rubbish, or anything similar, will answer. On the top of this layer of drainage material, three to five inches thick, either the original soil or specially prepared soil is laid. The first few inches may well contain pieces of sod or other rather coarse matter. The four or five inches on the surface, should, of course, be thoroughly pulverized. Where the bed is to be raised above the general surface, the same method should be followed, excepting that the sub-soil should not be removed and the sides of the bed should be held in place either by boards, stones or bricks, or sodthough the first is objectionable as it must be replaced after a few years. Irregular pieces of stone, such as are used for rock garden work, are both permanent and most attractive in appearance. Sod, which should be sloped at an angle of about \(45^{\circ}\), is in every way satisfactory. The diagrams on page \(1+2\) showing cross sections of a level bed and a raised bed show the construction clearly.

Where the entire garden is low and poorly deained, and there is a low point where it can be drained, it may pay to put in drainage tiles. This will improve the soil permanently, not only for bulbs but for anything else which one may wish to grow in the garden. Putting in tile drainage is not very expensive and is a permanent improvement, which will add much to the value of your garden.

And now as to the preparation of the soil.

Bulbs, like other growing plants, derive from the soil, for their development, food elements the absorption of which through their feeding roots is made possible only by an abundance of moisture and air in the soil.

With the general characteristics of a good garden soil the average amateur is familiar. It should, of course, be neither of heaw clay nor light, sandy soil and should contain an abundance of humus or decayed vegetable matter. If the soil is naturally heavy and lumpy, then sand, ashes, agri-
cultural lime or land plaster sho be added to lighten it and loosen it If it is light and sandy, the adding a layer of a heavier soil, preferal from a pasture or meadow, and addition of land plaster or agric tural lime, together with an abunda of commercial humus, leaf mold, ground peat will be of great bene

All of these things, of course, ha more to do with the physical con tion of the soil than with its richn from the point of view of actual pl food contained. Both the physi condition and the plant fool are, course, important. But in the grow of most bulbs in gardens the forn is, if anything, the more important have found that the great majority bulbs take very kindly to commere humus or peat. Whether or not \(t\) have some food value which chem analysis does not in licate, I do know. But I do know that I wo not think of attempting to mak bulb garden on new soil without of these materials. Two years ago had occasion to make a bulb garden raw, light, gravelly soil along edge of a steep bank-about as promising a situation as one co find. With the use of peat, humus bone meal and no other mater whatsoever, the result was a comp. success.
Having put the soil into the pro physical condition, the next conside tion is the plant food to use. So in our discussion of the preparation the soil for the bulb garden, recommendations made have not fered materially from the preparat of the soil for any other garden. right here we come to one import difference, and that is the use animal manure as a fertilizer. A of fairly fresh or even of half ro manure, upon which most shrubs, ennials, or annuals would thrive, prove quite disastrous to a plant of bulbs. Manure, and particul cow manure, makes splendid \(p\) food for bulbs; but this should used with discretion and never (Continued on page 148)


\section*{KING ALBERT-by the Master Craftsmen}

Simple in outline, with lovely decoration, you never will tire of King Albert's beauty. After years of association its charm is always new.

Your jeweler will be glad to show you King Albert as well as other creations by the Gorham Master Craftsmen.

\section*{GORHAM}

PROVIDENCE, R.I. 영 (CB NEW YORK, N. Y

Albert Schou, for 20 years a Gorham Master Craftsman at the Durgin Division, Concord, N. H., finishing a King Albert waiter.

\section*{KING ALBERT} PATTERN
in Sterling Silver
Tea Spoons
6 for \(\$ 9.50\)
Dessert Koives \(\quad 6\) for 20.00
Dessert Forks 6 for 20.00


\author{
MAKING THE GARDEN OF BULBs
}


\section*{Loom Woven Quality at Moderate Prices}

People everywhere admire the exclusive comfort, beauty and quality of Lloyd Loom Furniture. And invariably they marvel at the price.
This furniture is woven on the famous Lloyd Loom thirty times faster than possible by human hands. And no process is more accurate. The result is furniture individualized by a remarkably smooth and even weave-and by a price that is always amazingly low.

A steel wire center in every upright strand adds to the strength of the fabric-makes its beauty enduring.
Lloyd Loom Furniture is popular everywhere. Lends charm and good cheer to every room. Many artistic designs in all latest finishes. See Lloyds at your dealer's or write us for his name. Look for the name "Lloyd."

The Lloyd Manufacturing Company (Heywood-Wakefield Co.), Menominee, Mich. Canadian Factory, Orillia, Ontario.

\section*{Lloyyd \\ Furniture EBaby Carriages}
(Continued from page 1+6)
t is very thoroughly decayed. I have a quantity which I am planning to use in making a bulb garden next fall. It is already a year old but even so I am making a compost heap of it with sods and leaf mold which will be forked over two or three times during the summer, and then I shall put it through a coarse screen before it is put on the bulb bed. Under such treatment, I know from experience it will be perfectly safe to use. If only fresh manure is to be had, and there is not time for it to rot, it had better be omitted.

\section*{GOOD FERTILIZERS}

Among fertilizers, my preference for making a bulb bed is bone meal. There is a great deal of difference in the various grades of bone meal which you can buy. It is best to get genuine raw ground bone-not the "acidulated" which has been treated with acid in manufacturing processes. Get the raw "button" bone, or "knuckle" bone, if you can, and to this add finely ground bone "flour," in equal parts. The latter will give the roots a good start in the fall; while the coarse bone, which becomes available more gradually, will enable the plants to continue strong vigorous growth after they have bloomed in the spring, thus building up good strong bulbs to produce flowers the following year. For spring planted bulbs, such as Gladioli or Dahlias, the same advantages hold. A quantity of tankage or dried blood, one part to five or six of the bone, may be employed for hastening an early growth; or the tankage may be applied and worked into the soil before growth has started in the spring or early summer. The bone meal contains phosphoric acid and a reasonable amount of ammonia or nitrogen. The blood or tankage contains additional nitrogen. Nitrate of soda, which is an excellent stimulant for many flowers, is not desirable for most bulbs. As a source of potash, I much prefer wood ashes to any of the chemical fertilizers. The ashes improve the texture of the soil, as well as adding potash and lime.

Whether or not lime should be added will depend both upon the natural character of the soil from which the bulb bed is being made, and upon what is to be grown in the bed. Many bulbs, and particularly the majority of the hardy Lilies, prefer a rather acid soil. But the gencral run of bulbs, both early spring and summer flowering, will, if the soil is naturally quite acid, do better where a reasonable amount of lime is used say, ten pounds to each one hundred square feet of surface-when the bed is being prepared. With bulbs, as with other forms of plant life, no amount of plant food will be of any avail unless there is sufficient moisture in the soil so that the growing roots can absorb it. This they can do only when it is in the form of a liquid solution.

Although it is important that surplus moisture be carried off by thorough drainage, it is equally important that there should be sufficient moisture to make continuous and vigorous
growth possible. With bulbs, ordina ily, there is not the same opportunit to conserve the moisture in the so by surface cultivation and the main tenance of a dust mulch, as there in growing vegetables or flower Mulching the bulb beds will to great extent help conserve moisture but, if one wishes to be absolutel sure of results, a•means of supplyin water to the bulb bed during v dry weather should be provided. very often happens that the soil quite dry when the bulbs should planted in the fall; and occasionall as during this past year, in earl spring when the summer flowerin bulbs are being planted the same co dition holds true. If means can provided for keeping the soil tho oughly moist, for some time imm diately after planting, a vigoro quick root-growth can be started.
For my own beds, I use a sma portable irrigating system which co sists of a pipe line about twenty fe long, with regular irrigation nozzl -not a circular sprinkler, which do less effective work. This portable ou fit cost me but a few dollars and ca be set up anywhere in a few minute and used to water either a long na row bed or a border of any widt without wasting water where it is \(n\) needed. As the water falls in a fil mist-like rain, the ground can thoroughly saturated without in \(t\) least washing or packing it. With I can be certain that my bulbs ha actually started to grow within a fe hours after being planted, instead lying dormant in the soil for day as they sometimes do when they ha to wait for rain.
Some bulbs prefer a particular dry situation. These are, for the mo part, the small growing ones whi are suitable for planting in the ro garden. If a bulb garden is bei made, it will be well to provide f these by having one portion of particularly well drained, set asi for them. A rockery corner in bulb garden is not difficult to provi and will add the charm of variet Other bulbs which prefer a peaty acid soil and some shelter or grour cover, such as many of the Lili may well be provided for amo Rhododendrons, Azaleas, Laurels a other acid-loving plants, or in shrubbery border.

\section*{kfeping bulbs}

Sometimes, for one of a number reasons, it is not possible to pla bulbs immediately upon their recei If they can be so planted, so mu the better; but if not, we should to it that they do not become injure as easily may happen during the ti which must intervene before we them into the soil. In nature, bu have a dormant or curing period, the soil. It is not natural for them remain out of it; and so, when th must be taken from the soil, we shou be careful to give them suitable c ditions. The ideal way would be, course, to keep them in boxes buri in sand or soil. As a matter of fa this is the best way to keep many
(Continued on page 150)

FOR THE WOMAN WHO EXPRESSES THE EXQUISITE PERFECTION OF THE FASHIONABLE MODE IMPLIED IN THE WORD \(\varepsilon\{\varepsilon G A N T \varepsilon\), THE MOST ACCEPTABLE GIFT CANDY IS HUYLER'S. IT IS THE LAST WORD IN SMART PACKAGES OF DELICIOUS CHOCOLATES AND BONBONS \(\diamond\)


NEW YORK

\author{
MAKING THE GARDEN OF BULBS
}


\section*{Dignity and Beauty with American Gumwood}

These two perfectly matched panels of figured gumwood combined with surrounding plainer gumwood are an artistic triumph, and reveal the characteristic possibilities of this exquisite American hardwood.

Nature grows fantastic patterns in the grain of gumwood, sometimes subdued, often bizarre, which are continuous throughout the log, making possible ornamental details in panel work of great beauty and interest. The natural coloration is soft and delicate, further emphasized by a satin-like sheen.

\section*{A good wood for good furniture}

More actual value may be put into design, ornamental wood surfaces, and permanent construction of good furniture, when gumwood is suitably used for solid parts. Craftsmen who know the properties of woods endorse gumwood. Leading retail furniture dealers will gladly point out its many advantages.

\section*{Color finishes}

This twenty-four page illustrated booklet covers the accepted use of gumwood in furniture. It contains full-page color plates suggesting the decorative possibilities of this wonderful wood for paneling and i terior woodwork. F

GUMWOOD SERVICE BUREAU of the HAREWOOD MANUFACTURERS INSTITUTE Baak of Commerce Building, Memphis, Tcnn.
Please send me "Beautiful American Gumwood"
City.


Courtesy Berkey and Gay Furniture Co.
the tender flowering bulbs, such as tuberous Begonias, Tuberoses, etc.also the hardy Lilies, the scales of which dry out quickly; and fleshy roots, such as Irises or Peonies. Where it is not convenient to use sand or soil, sphagnum moss, sawdust or peat may be employed. Hyacinths, Tulips and other bulbs for fall planting should be opened and examined immediately upon receipt. If in perfect condition they can be kept in theif bags, provided these are well ventil ated; but they should never be kep in a closed, air-tight receptacle. Plenty of ventilation and a cool temperatur are the two essentials. Bulbs which are lightly dried out or shriveled when received, may be plumped up by covering them with moist sand, saw dust, moss or peat for a week or so.

There are two methods of getting the bulbs into the ground. One may remove entirely several inches of soil; place the bulbs in position; and then replace the soil over them. This method has some advantages. The bulbs can be placed exactly as wanted set firmly on the soil, and cosered to an exact depth.

The other method is to plant the bulbs in individual holes. In doing this, two things should be watched with extreme care: first, to get them in to the proper depth; and seconet to have the hole broad enough at the bottom so that the base of the bull will sit firmly on the soil and not be left suspended over an air pocket. A broad trowel, or, in very soft soil, a blunt stick, should be employed, rather than the narrow trowel or pointed dibble often used. With either of these, an inexperienced hand is very likely to leave an air space, or loos soil, just under the base of the bulb, where the first roots will be put out. If the soil is at all heavy, it is an excellent plan to have a pail of sand available, and to drop a handful where each bulb is to be sct. With the bulb bed itself properly prepared, however, this will hardly be necessary.

In planting in sod, either a cross cut may be made with a sharp spade or with an edger so that some of the sods may be turned back and then replaced ifter the bulb is planted. There are
special bulb planters for use wher large numbers are to be set. In plant ing in sod, or naturalizing in poo soil, it is always advisable to put handful of well enriched soil, mixe with sand, under each bulb.

As to the time of planting, a saf general rule is "the earlier the better. A few of the fall planted bulbs, suc as the Madonna Lily, autumn-flowe ing Crocusses, ete., should be got during August. The general run Narcissi are best planted in early Sep tember; October or even Novemb will do, but the later the planting, th less the root growth which will made before freczing weather-an upon this growth the quality of th spring flower-show depends. Tulip can be planted at the same time, bu will be less adversely affected by late planting, especially the late flowerin types, which have more chance to grov in the spring before flowering. Th hardy Lilies often are not availabl until late October or November; may even be necessary to keep the soi from freczing, with a heavy mulch ing of manure. Many of them mas if necessary, be planted in the spring
Details as to the depth of plantin and distance apart vary, of cours with species and varieties; also wi the type of planting. Most catalog give fairly complete information upo this point; as a general rule, the bu should be covered to from two to thre times its greatest diameter. This wi give four to six inches for Tulips a Narcissi; and six or even eight \(f\) Hyacinths; hardy Lilies require thre to four inches for some species, and much as ten or twelve for othe Tulips should be planted from fou to six inches apart, Narcissi a bit mor If at all possible, give the beds thorough soaking immediately afte planting. This settles the soil firml about the bulbs and induces quick ro action. Thereafter, nothing rema to be done but wait for the flowe to appear. A mulch of strawy manu or leaves may be put on, after the so is well frozen, but this is not gene ally essential if the bulbs are tho oughly covered. This mulch shoul of course, be removed as the plan appear in the spring.

\section*{One Park Avenue ~~New York}


From September thirteenth to eighteenth. A cordial invitation is extended to the public to attend the formal opening of the Almco Galleries - the most exquisite Lamp Showrooms in the world. ©Here are the latest Almco fashions in lamps in a series of gorgeous settings. And there are rare bronzes, handsome pieces of furniture, pillows, scarves, and tapestries from all corners of the world.


\section*{If you value the possession of Fine Art!}

\(T\)aHAT discerning eye which detects beauty in masterful painting or sculpture will revel in the glory of Fontaine. It is truly a masterpiece in Solid Silver-this beautiful design of French Renaissance inspiration.

To set a table with Fontaine is to set before one's guests a silver ensemble whose beauty knows no rivalry, not even in the silver masterpieces of other ages. The design, luxuriant in every detail. The deep modelling. The heavy
weight. All combine to make Fontaine an unsurpassed triumph in Solid Silver.

Fontaine is made, exclusively, by the master craftsmen of International Sterling's Fine Arts Division-and it is being shown, exclusively, by one of the important jewelers in your locality. You will be interested in our book, describing and illustrating the Fontaine service.

Send for it, addressing International Silver Co., Meriden, Conn.

\section*{International Sterling}


COLOR? It's the making of the room! Use color confidently, enthusiastically, and each room becomes all that you want it to be. In the living room there will be cheerful tints and rich, warm shades, blended in exquisite harmony, and with the vivid life in them that makes the room a friendly and interesting one.
What a fascinating range of color tones you have to work with in Kaltex! You can find precisely the right note for each setting, always. It's a real pleasure to choose.

With this graceful handwoven furniture you keep with you through the fall and winter months all the colorful splendor of
mid-summer. For the glorious beauty of Kaltex laughs at changing seasons.
Besides its unique beauty, you'll appreciate the virtues of economy and permanence in Kaltex. It costs so very much less than any other living roondurniture. And its loveliness is lastigg. The fibre is woven around a heart of steel that gives rugged strength to its lace-like lines.
Somewhere near you, there is a display of the latest Kaltex suites and single pieces - for the sun room, bedroom, and library as well as the living room. You must see this exquisite furniture for yourself. Please write to us for your dealer's name.

MICHIGAN SEATING COMPANY, JACKSON, MICHIGAN
- 1

HAND WOVEN FURNITURE


ALL the more advanced tendencies A of modern art - its interesting departures from the stereotyped and conventional, its spirit of freedom and individuality and, most particularly, its joyous use of glowing, exotic colorare contained in this superb tapestry.

Woven at Felletin, near Aubusson, specially for the Paris Exposition des Arts Décoratifs, it was exhibited there as a striking example of modern textile art. In design, it follows somewhat the theme of the romantic 17 th and 18th century French tapestries.
Yet its lofty mountain peaks, its luxuriant foliage, the picturesque gondola on its placid lake, its deep, beautifully beflowered border are all distinctly modern in form. And they glow with the rare colors beloved of Matisse, Picasso and the other modern masters. The car-

\section*{A TAPESTRY}

\section*{Modern in design} and fraught with the glorious
living color of L'Art Modeme
toon was painted by J. Van der Bilt, a Dutch artist who has lived in France since around 1910. Exhibitions of his paintings at the various "Salons" have attracted much interest and attention. Especially notable is his wonderful use of light and brilliant color.

This unique tapestry is but one of a group of Schumacher fabrics that follow the trend of out additional expense, have the ac vantage of a decorating service in furnishin your home is explained in the free booklet w have prepared, "Your Home and the Interi¢ Decorator." Write us for it.
F. Schumacher \& Co., Dept. E-9, 60 West 40 Street, New York, Importers, Manufacturers and Di tributors to the trade only, of Decorative Drapery an Upholstery Fabrics. Offices also in Boston, Chicag Philadelphia, Los Angeles and Paris.
\[
\mathscr{F} \text {-SCHUMACH\&R \& CO. }
\]

\section*{66 \\ Hfow I wish I had learned to play the piano"} YOU have probably said that to yourself time and time again. Most people have.
Childhood is the time to begin a mastery of music. And fortunate is the child who, in early life, is taught to play and to understand beautiful music.
Music teachers endorse the Brambach Baby Grand as a most valuable aid in developing a true love for music. Its rich, full tones thrill and inspire the child with their sweet resonances.
The Brambach is used by the best teachers because it is a beauti-fully-proportioned instrument of wonderful responsiveness and tonal excellence. And on account of its convenient size it is the ideal piano for the modern home or apartment.

Mail coupon below for further information and for a paper pattern showing the exact space requirements of this beautiful Baby Grand. The pattern will be mailed with our compliments.

Because of the enormous Brambach production, this remarkable grand piano is priced surprisingly low, \$650.00 and up, f.o.b., New York City. On convenient terms, if desired. Distributed by leading music houses everywhere.

\section*{Venetian Glass and Bassano Pottery \\ WHO does not know and admire the exquisite \\ are featured. Wines, champagnes, cocktails, tumblers,}
glass of Venice, the centuries-old product of the Island of Murano in the Venetian lagoon! In conjunction with Venetian Glass, we recommend the use of Bassano pottery because of its graceful Venetian 18th century models and its marvelous blending of colors which makes it one of the dressiest of Italian wares.
In the above illustration, a water pitcher, goblet, liqueur, and finger bowl from our new table series,
decanters, and dessert plates are also obtainable. A specialty is made of rose and gold, and green and gold, which colors have recently become so popular. The centerpiece and candlestick shown may be had in colors to match. At the left is pictured one of the newest and most graceful of vases.

Our pamphlets on Venetian Glass and Bassano Ware illustrate the many other colors and shapes available.


This little group above shows three interesting specimens, in Bassano, of reproductions of the antique, such as bowls, indented jugs, etc.

Centre: The brilliantly colored parakeet on a white stump is unusually attractive when arranged with flowers. A covered dish suitable for bonbons, marmalade, etc., is shown, and the urn has a quaint basket-of-flowers decoration.


This urn in deep cream color is one of the many shapes in Bassano adaptable for a lamp base. Also obtainable in solid yellow background with lines of mauve and green.

Our Lamp Booklet illustrating many really fascinating Lamps of Italian Pottery will be sent gratis to those who may be interested in having it.
\(\underset{\text { 350 Cangras St. Burume Man }}{\text { Carbone }}\)

Carbone Venetian Glass, and Bassano Ware and other Italian Potteries are on display at the better shops throughout the country. The name of the one nearest you will gladly be furnished on request


\section*{‘Never mind, we'll scrub it clean before Mother comes home"}
"It's good these shades are made of Tontine, little dirty hands. Soap and water will take off those naughty smudges in a jiffy!"
And what a godsend to modern housewives, so annoyed by poor shade service! For Tontine washes as easily as a window; it will soil, of course, like the perishable fabrics you have had to be satisfied with for years. But, unlike other shades, its original beauty is easily restored with soap and water.

> Tontine does not crack, or pinhole, or fray. It is sunfast. Its pyroxylin treatment (the same as Duco) adds years to its life and makes it WASHABLE. Its longer service makes it today's most economical shade.

This time, buy shades for the last time by making sure you get Tontine
E. I. DU PONT DE NEMOURS \& CO., Inc. NEWBURGH, N. Y.
Test it yourself! On request we will mail testing swatches and an interesting booklet, "The Window in Your Home.


\section*{IMONG THE WII,D \\ TULIPS}

\section*{(Continued from pase 15+)}
aken from the wild and not from hursery-grown stock, and may not all be of blossoming size.

There are a great number of these Tulip species but space permits me to offer only an enchanting handful that have grown in my garden and have given me infinite pleasure from year to year as well as an occasional disappointment.

Usually the first to bloom is the beautiful species from the steppes of Turkestan, T. kaufmaniana, commonly called the Waterlily Tulip. It is dwarf in stature but the blossoms are large goblets, glistening white, the outer segments flashed with brilliant carmine or bright yellow. In a good year this Tulip may come into bloom late in March, but it varies with the season's vagaries. The Waterlily Tulip makes a splendid show either in border or rock garden and may he relied upon as one of those that will endure and increase as the years pass.

\section*{of UNUSUAL Character}

Almost if not quite as early, a small sprightly species, \(T\). biflora, makes its appearance on a warm ledge and is not always recognized by visitors as a tulip at all. Its photograph on page 93 displays its quaint and unusual haracter. Its height here is about six inches though it is said to attain a greater, and it not only bears twe fowers on a stem but occasionally is so generous as to produce three or four. The blossoms, which are about the size of a five cent piece, are pale greenlue without and white inside with dark eye. This dainty creature is said to be an ardent lime-lover

While April is still young T. dasysteman and \(T\). polychroma fairly astonish the world with the unusual character of their beauty. The leaves of the first make a dark little tuft upon the ground from which arise large starry blossoms, golden at th heart in a gleaming white setting, on stems only about three inches tall From strong bulbs several blossoms are forthcoming, and I know of no more joyous spring manifestation than clump of these little shining flowers It is said that if the seedpods be no removed \(T\). dasystemon will seed itself.
T. polycluroma, a Persian, is upstanding in habit. Its blossoms arc cup-shaped on stems perhaps six inches tall, a charming tone of mauve without and much paler within, lighted by a yellow stain. It is a most lovel species. The photograph was taken last year when only one bulb bloomed, but this spring the whole colony ac counted for itself, some of the stems bearing two blossoms.
T. greigi is a magnificent scarlet flowered species (occasionally marked with yellow) with light colored leaves stained with a dull purplish color. It is for the border rather than the rock garden, for though dwarf as to stature the blossoms are so large as to be out of scale with the small folk that generally inhabit a rock garden. Scarlet one wants, however, when dealing in Tulips, and there are a number of most engaging species flaunting that challenging color and suitable in size
or the rock parden. 1. sprengert the last of all the Tulips to bloom sending up its pointed sealing-wax re plossoms often as late as the middle June on stems about eight inches high It is an Armenian species, hardy, an under satisfactory conditions increase with fair rapidity. It ripens plent of seed and blooming bulbs may raised in four years.

Those who enjoyed the Flower Sho in New York last March undoubted noticed the pots of a tiny, flaming re tulip with narrow wave leaves th were shown by one exhibitor. Th was \(T\). linifolia, a most delightf pecies which in my garden seems ave settled down to stay. It is sai o enjoy growing among other plan uch as Aubrictia and Arenaria mo ana through which it thrusts its leav and blossoms stronglv. It is fro entral Asia. T. montana, still anoth mall scarlet beauty, has a bulb coat with "wool" but this covering de not protect it from even a slight gree of standing moisture in the so which is most injurious to it. A hand ful of sand should be placed arour the bulbs of this mountain species and a well-drained situation given it. Th blossoms are a fine blood-red and th eaves are curiously waved or crimpe My favorite among the red Tulip however, is \(T\). pracstans, from Bok hara, that wears the most amazin high thin scarlet color known to mo The stems and leaves are slightl downy and often there are several o these dazzling blossoms on the wand like stems. It is a May-flowerin species and the height is somethin

The interesting blossoms of T. ac minata present a most charming blen ing of red and yellow-a sort suffusion. Many do not care for th bizarre type but others are enchante with it, and of these I am one of t most enthusiastic. The stems are lor and slender and the blossoms rath small; on a little height in the roc garden they are most effective. It said not to be a true species but obscure garden origin

\section*{YRLLOW TLLIPS}

Yellow ever plays a conspicuo part in the color scheme of the sprin and it is worn by no prettier flowe than the little wild yellow Tulip There are a number of these but thr of them are particularly lovely. sylvestris grows wild in orchards an other pleasant places in various pa of Great Britain. It is one of th most fragrant and gavest of blossom Butter-yellow blossoms that open o wide are carried on lissom stems a fo tall. It is a charming inter-plantin for clumps of Phlox divaricata. sylvestris has a fault, however. Whi it increases with great rapidity it apt under certain conditions to blo som sparsely. The finest I ever h were growing in a south border und a wall where the soil was very ri and where they enjoyed a light shelt provided by a great Scotch Briar Ro Here they bloomed almost unfailing But in the poor soil of the rock gard they have not done so well. There (Continued on page 158)

\title{
AN NO UN CI N G
}
... a newly refined
Advanced Six Series and Light Six Series
end

Now on display at your NASH dealer's


\title{
The right window makes the room
}

The right curtain rod makes the right window

WTHEN you re-drapeyourwindows, choose the right curtain rod. It helps to make your drapery and curtain problems easy.

Choose this better curtain rod, with its three new, exclusive features. It is the Judd Bluebird Rod. It comes in triple, double, single and sash rod styles.

It is easy to put up. A few taps of a hammer put the exclusive Can't-Fall Hook Hanger in place. Once up, it stays up. It will not fall or become loosened accidentally.
It holds curtains right. The exclusive three stiffening ribs in every

Illustrated below is the Judd Bluebird Double section of the rod actual width ( \(3 / 1 /\) inch) show.
ing the three stiffening ing the three stiffening
ribs that prevent sagging. ribs thatprevent sagging.
The smalle; rod is the The smalle: rod is the
sash rod style ( \(3 / \mathrm{s}\) inch sash rod
wide).

Judd Bluebird Rod prevent sagging.

The Judd Bluebird Curtain Rod is finished with a baked lacquer, found only in the Judd Rod. This lacquer is satin-smooth, and will not catch or "pull" the most delicate lace or silk. This baked finish is permanent. A Judd Bluebird Rod does not rust or corrode.

Ask for the Judd Bluebird Rod by name at department stores and hardware stores. Then you are sure to get the rustless, sagless, flat curtain rod with three new features that make it better. H. L. Judd Company, Inc., 87 Chambers Street, New York, N. Y.
ment window shown at the top of his adwertisement.

JUDD
"Bluebird" Curtain Rods

Above-
Casement window for a solarium, draped by
Mr. Richard Cecil Mr. Richard Cecil
Pond, Interior Pond, Interior Decorator, using Judd
Bluebird Sash Rods Bluebird Sash Rods
for cream point for cream point
d'esprit sash curd'esprit sash cur-
tains overdraped tains overdraped
with flowered with flowered
orange chincz orange chintz
on a Judd on a Judd
Bluebird Bluebird
Single Rod. Single Rod


a form, however, called \(T\). s. major, that is quite reliable in the matter of a yearly display. It is a little taller and heavier all through than the type. T. persica, from Persia, blooms almost as late as the scarlet \(T\). sprengeri, and is one of the most amiable and reliable of all. It is very dwarf and its leaves at their first coming forth twist and curl about upon the ground in a very curious manner. The stems are only a few inches tall and the blossoms, sometimes two or more to a stem, open out flat and starry from it bronze bud. They are sweet-scented. T. batalini with pale yellow pointed flowers, deliciously fragrant, is a fine sort but seems to have grown scarce and expensive of late.

Two more species remain to be mentioned, the sprightly little Lady Tulip, T. clusiana, and T'. primulina, a most desirable kind from North Africa. T. clusiana is fairly wellknown as it is forced in great quantity for the winter flower shows. But in this climate, at any rate, it is an uncertainty, though so lovely that one must be continually trying to suit it It comes originally, I read, from the northwest frontier of India, but has been widely naturalized in northern Italy and in southern France where
t must indeed present a charmin show, growing in grassy places an perhaps among the Olives. We m onclude, I think, that it is not real hardy in the neighborhood of N . York. A few bulbs come through b these in time disappear, worn probably by the strain of our seve winters. But nothing could be mo sparklingly fresh and gay than blossoms of the Lady Tulip. T pointed bud carried on a slender st is bright cherry red; as it opens, gleaming white interior with a da stain at the heart is disclosed.
\(T\). primulina is olive green bud and opens out pure white. It about eight inches tall and seems to one of the most willing and reliab species. With me it has not only r mained for several years but increase appreciably: The blossoms have th curious habit-unique so far as know with Tulips-of remainir closed during the heat of the day. The time for making up bulb orde is at hand. Do not miss the pleasu of knowing some of these wild Tulit If you contemplate making a choi of six, the following will give \(y\) pleasure: \(T\). kaufmaniana, \(T\). das stemon, \(T\). persica, \(T\). sylvestris maja \(T\). primulina and \(T\). sprengeri.

\section*{DEVELOPMENT}

(CAN you think of any room in the house which reflects the in its ideas of sanitation of comfort and of convenience during the last fifteen years more than the bathroom? Many changes have been made in the home during this period of time, gradual changes for the better from any standpoint; but none are more sweeping than the changes made in our bathrooms.

Contrast our modern bathroom with its older prototype and note the difference. The old tin painted tub enclosed by stained pine boarding has gone, never to return. Its place is taken by a gleaming white vitreous china or porcelain one, built into a tiled floor No more does th: paint chip off the inside of the tub at every bath. All metal fixtures for present-day bathrooms are non-corrosive. The toilets of today are noiseless and well ventilated. Showers hase solved the question of a morning bath in the minimum of time. No more is the bathroom itself a dingy closet with barely enough room for its fixtures and one small window. It now is given as much consideration in planning as any other room in the house. Plenty of space is allotted to its fixtures. The walls are either tiled or some sanitary fabric wall covering, that can be washed, is used in harmonious colors and patterns. Washable rugs are on the floor. The window is curtained in bright colors. The matter of decoration and color harmony is taken into consideration. It is now made
oto a pleasant and cheerful roo The small fixtures, holders and ca nets in the modern bathroom been given as much consideration the larger ones. Built-in receptac for soap, brushes and all other app tenances are in the necessary plac Each bathroom has at least one la closet and a smaller medicine cabin Lights are placed so that the may see his face distinctly in the mir while shaving.

Dressing tables have been duced into the bathroom to hold necessary toilet articles for the mist of the house. The Spartan simplic of the bathroom, until recently vogue, is slowly dying out. Inde in the larger houses, the most mod method is to treat the bathroom dressing room and not as a mere junct to it. The toilet is given a ventilated alcov: by itself which entirely closed off from the dres room. The bathtub is placed in view at one side of the room, shoved in a corner, and its exterio decoratively tiled. All furniture appurtenances are treated in a deco tive manner, and the bath accesso add rather than detract from the eral interest of the room. Mirrors plentiful and are set in the wall well lighted positions. The walls decorated in colorful patterns, perhaps tiled for part of their he and tinted or stenciled above. terior decorators have, during the few vears, made a study of the pr treatments for such bath-dres rooms.


\section*{A SEDAN OF COMMANDING BEAUTY for Men in Command of \(\mathcal{A l f f a i r s}\)}

The PRESIDENT
A Big Six Cuffom Sedan (Vor seven), broadcloth or
Chase Mobair upholfery

\section*{s2245}

Standard SixCustom
Sedan Big Six Custom Brougham . . . Prices f. o. b. faltory, ncluding 4 - wheel brakes, disc wheels and otho
equipment as

BIG business speaks to big business through The President-a Studebaker Big Six Custom Sedan for big business executives! The President is the Studebaker conception of the kind of car an executive should ride in - inspired in every detail of its lines with the vision of Big Business ideals-evoking both admiration for itself and respect for the man who owns it.
POWERED with the quiet Studebaker L-head motor, which recently crossed the continent in 86 hours and 20 minutes - six hours faster than the best time of the crack Limiteds!
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〔famous interior decorator\} Says \(\sim\) "Plain walls are the refuge of the artistically destitute"


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W. © J. Sloane, the distinguished Interior Decorators, will advise you without charge as to the proper floor covering for your individual rooms. Write today for blank form for use in submitting your rug or carpet problem. Address Mohawk Dept., W. © J. Sloane, 579 Fifth Ave., New York City.

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\section*{What Youll Gain by Screening Your Home c Vow....}

MANY people who complete their houses in the Fall put off screening until Spring. As a result, they incur the damage done by flies and other insects which are more of a pest in the Fall than at any other time of the year. They also run the risk of having their orders caught in the "Spring Rush" and considerably delayed.

Screens should be installed as soon as the condition of the building will permit. Don't delay. Finish the house now, for it is not complete until thoroughly, efficiently and durably screened.

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Hardy Candytuft likes sun, light soil and freedom from disturiance. Give it these conditions and it will open fragrant white flowers in June. It is a sturdy dwarf perennial ileal for the rock garden

\author{
CULTURE of MOUNTAIN PLANT
}
(Continued from page 98)

Also it is rare for the plants that we bring from the mountains to give us the satisfaction we have anticipated. The reason for this is easy to grasp. They are uprooted while in bloom, because it is at that moment we are struck with their beauty. When their charm disappears we no longer care to keep them, for after this rude upheaval, one can hardly recognize them. If you would move plants from the mountains to the lowlands with some chance of success, it is necessary to proceed methodically. First of all, transplant them while they are dormant. To do that you must learn to recognize them when their foliage alone distinguishes them from the surrounding plants. This knowledge is acquired quickly enough, and by instinct one very soon seizes upon the characteristics which differentiate one from the other.

When trying to carry a plant from one climate to another, it ought to
undergo for a time a special treatm in order to become accustomed, lit by little, to the new climatic conditio to which it will be exposed. To sor degree one must take into account in t period of acclimatization the previo conditions of existence, and advar little by little toward the new s roundings. In the great majority cases, the plants of the high mounta are easy to acclimatize, but there some to which we must give great ca

We have spoken of the rapid dev opment of vegetation at the momg when the winter carpet of snow appears from the high mountains, a of the short space of time allot to plants to complete the cycle of th annual existence. It is at the e of this period when the plant 1 bloomed, when it has ripened its see and when the sap begins to recede tl we may try to transplant it to lowlands. We must then remove fro
(Continued on page 164)


Daphne cneorum has proved entirely hardy in Ottava. Deep rosecolored flowers and dark, glossy leaves help to make it one of the most delightiful of low-growing shrubs for rock planting

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\section*{JANES \& KIRTLAND, Inc. \\ Established 1840}
its roots all the earth. This is an aid for it lightens the burden when carrying the plant. It is important to have the main roots and to preserve them intact. Of course these rootlets must be wrapped in sphagnum, or some substance, to keep them from drying. A good gardener will know very well how to manage with them as with other perennials. He will cut the ends of the roots with a sharp penknife and get rid of all that are injured and torn. He will plant each root well cleaned in the pots. These should be, if possible, narrow and deep, well-drained in order to prevent rotting, and they should be placed under a coldframe and as near the glass as possible. The soil provided for the first part of the transition will be light, sandy, calcareous for the varieties that like lime, and silicious for the others. The soil may be prepared with a layer of peat or turf, a layer of fresh earth and another of sand, granitic or calcareous, as the case may be. The bed should be shaded from the full sun and closed during the first few days. The watering should be moderate and the foliage ought to be sprinkled often.

Little by little the plants will become accustomed to the air, and when they have put out some good roots (one can ascertain that by giving the pot a light blow with the palm of the hand) you can take them from the bed. If the month of October comes before the plants have reached this state, they must be left in a coldframe during the winter. It is important during bad weather to keep them dry and water them very little. We will have to watch them on acount of the humidity and protect them from sud den changes in temperature. If they are kept under glass all winter, it is above all necessary to guard them against rain and humidity. You need not be afraid to give them plenty of air on days when it is not too cold. Then when the warm rains come in early spring, lift the cover and let them be well sprinkled with water. They must be accustomed little by little to the open air, and when they are well rooted, place them with othe:s that are already acclimated-that is to say we must place them in another bed quite in the open before setting them in their permanent places in the rock garden or in the border.

If we proceed in this way when transplanting the plants from the high altitude during their dormant state, we are almost sure of eighty percent success. We have taken in this way the most delicate plants from Canada, the Caucasus, from Siberia, from Norway, from Lapland and from the Rocky Mountains, and we have acclimatized them perfectly in our Alpine garden at Floraire. Afterwards we have sent them to the flower lovers of all countries. They generally succeed because they have undergone a real acclimatization. This system has many good points, most of all because, as we have seen, it is easy to transport uprooted plants without any eartin, The plants will send out shoots and,
heause nearly every plant will suceed, it will be necessary to remove ewer specimens from their nativ haunts. There is besides a point upon which we must lay emphasis, and that s, we will succeed better with fairly young plants (not too young and frail, f course) rather than with those which have large roots.

The plants with large tap roots are xtremely difficult to acclimatize. Such is the case, for example, with the Papillionacces, the Gentians, especially G. Lutea, purpurea, punctata, burser and pannonica, the Queen of the Alps (Eryngium) the Anemones of the rroup Pulsatilla, etc. Generally efforts are not successful unless we attemp to transplant very young plants. But, on the contrary, all these varietie germinate casily and are readily raised from seed. It is this last mean which is the best and most practical when one tries to acclimatize plant from the high mountains. We use seed by preference at Floraire, and is from it that we get our best resulis It is also the most reasonable way fo it is the means employed by Natur herself. It is generally thought the process is slow and difficult to follow That may be true in some cases, particular for the species of slo growth such as the Gentians, the Primulas, some Ranunculas, Ericas, th Vacciniums, and the Pyroles, but the majority of cases this method which is simple and at the door a veryone will give you strong plant at the end of two or three years. The Alpine garden of acclimatization, Floraire, has been established entirely with the aim of proving that we may instead of going to invade the mountains and despoil them of therr rich ray, prow their flowers from seed Our general catalog comprises t names of nearly 6000 plants, mo than nine-tenths of which have be raised from seed or by cuttings a are from this fact absolutely acclin ated to the air of the lowlands. seed is without doubt the most ration: and the most practical means of cul vating with ease the plants native regions of perpetual snow.

\section*{CONDITIONS FOR SUCCESS}

To succeed well, it is important observe the following conditio Have a light, sandy soil with j enough nourishment to give the ned sary elements to all the young plan We make it of one-third peat or s. composed of rotted turf, one-thi fresh garden soil, one-third of sa granitic or calcareous, according the affinity of the species. The m favorable time for sowing seed for a cold or snowy climate, at end of the autumn. That is to the end of November, and the beg ning of December. We sow them flats, boxes or pots, with a goo drainage. But we can also sow se n the springtime and in most cas particularly in the countries wh there is little snow, this method preferable to autumn sowing. O must be careful to cover the seeds b slightly and not bury them in soil. The pots or flats must be plac (Continued on page 166)

\section*{French}

Hand-Made Furniture \(\mathrm{F}^{\text {OR }}\) the furnishing of a new home, for The replacement of unsatisfactory pieces and for the occasional addition of a truly decorative table, stand or chair, you will find the greatest satisfaction and highest value for your money in this hand-made furniture of heirloom quality.
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\section*{A Prominent Lawyer Builds}

\author{
and see what flooring he chose -
}

SIDNEY L. HEROLD'S palatial residence on Jordan Street is one of the show places in the city of Shreveport, La. Being a lawyer, he carefully considered the merits of the leading brands of oak flooring.
His choice of "Perfection" was corroborated by Edward F. Neild, the architect. In this new home \(13 / 16 \times 21 / 4\) Clear Quartered White Oak was used.
Mr. Neild knew the inherent quality of "Perfection" Brand Oak Flooring. From wide ex perience, he knew how finely it
is milled, how honestly graded and carefully inspected.

As you see it today, the rich natural pattern has a beautiful lustre. The texture is such that generations from now, this same floor will retain its original beauty. Yet "Perfection" cost him no more than a number of other brands.

There's a size and grade of "Per fection" Brand Oak Flooring for every type of structure, new or old. For full information, write today

\author{
ARKANSAS Oak Flooring Company
} PINE BLUFF, ARKANSAS

\section*{PGERECTIONT \\ Brand Oak Flooring}


\title{
GULTURE of MOUNTAIN PLANT
}

\author{
(Continued from page 164)
}
in a coldframe which is dry and clean. From the time when the snow commences to fall, if it does fall, wc uncover them and let the snow make a heavy covering over the seeds. If you can, even heap up the snow upon them, and if possible sprinkle them before the cold nights so as to transform the snow into ice. The snow exercises no small effect upon the seeds. We have made conclusive ex periments on that subject. Seeds difficult of germination were sown at the same time and in the same condition, but while some were covered with snow, the others were kept from it. Those covered with snow all germinated together in the month of March in a most satisfactory manner while the others came up very irregularly and much later.

\section*{rtificial germination}

A pastor, W. Muller of Wurtemburg, who has made similar experiments has had equally interesting results. He prepared the seeds most difficult of germination by placing them for two or threc days in a basin of melting snow, then he sowed them in shallow flats, carried them down cellar and covered them with melting snow. When the snow had been well applied to the seeds he brought up the flats to a room heated to a temperature of \(70^{\circ}\) by day and to from \(50^{\circ}\) to \(60^{\circ}\) by night and up to the time of their germination the kept them covered with snow. "This cold application of snow," he said "must exercise an electric influence upon the seeds for it awakens the life in them rapidly. The colder the snow the more rapid the action upon the seeds." He has obtained by this means the germination of pansies and of the Asiatic Ranunculus in eight days, and that of Ixia, Primula obconica, aurt cula, etc. in fourteen dars. Besides this, he has found that by applying this method all the seed germinates and he hardly loses one
In a country which lacks snow, it is preferable to wait until March to sow seed, and to let as much rain as possible fall on the seeds. If the pots are well-drained, it can do no harm If one sows seeds later, as must be done in the dry countrics of the south, one must add a littl: powdered sphagnum in order to give the so:l a spongy, porous consistency, and at the same time help it to keep an even degree of moisture. The sphagnum plays here the part which the rocks play in nature. It absorbs the humbl ity, retains it then gives it out little by little to the soil which surrounds it. It is an equalizing element from a hyrometric point of view.

The species which first commence to germinate are those which belong on the family of the Cistaceae (Helianthemums, (istes); of the Crucifers (Draba, Erysimum, Aethionema, Alyssum, ete.) ; of the Leguminosae (Ox) tropis, Phaca, Astragalus, Genets, (ytises, Anthyllis, etc.). Then come the Compositaes (Edelweiss, Aster, Erigeron, Epervieres, etc.) ; the Crossulacees (Orpins and Houseleeks); the Saxifrages, Campanulas Potentil las, etc. The species that take the
longest to rerminate are the Gentiat specially unless the seed is very fre the Primulas, (Primula and Andr ace), certain Ranunculus, the Peonis ome Anemones, (above all the gro Pulsatilla), the Ranunculaceae, Aconites, the Ombelliferas (Eryngin astrantia), the Fraxinellas, which deed take two years to germinate us, some kinds of Berberidaceae, s Leontice and Jeffersoma, Liliaceae, Colchicaceae and Irises, Corydalis, cte. We have the habi thinking quite easily that a seed lost if it has not come up at end of some few months. We m never destroy them before a year least, and when one tries with fan ies or species enumerated above must wait two years before hop lost.

The germination of seeds is, we I most capricious thing. While sowings of Anemone alpina and thurea come up at the end of fr twelve to twenty days if they fresh, they will wait several month. sometimes even a year-when th are four or five months old. I almost the same with the Genti and the Primulas. Professor Michael Foster has shown me in superb garden, Shelford near C bridge, some Iris which did not ge inate until twelve years after sow the seed.
When the seeds have germinated when the little plants commence take on a little substance, we p them off. That is to say, we sepa them and plant them a certain ance apart in rows or "staggere Then when they are in a state to st quite by themselves, we plant th one by one in little pots, after w they can be place: in the open grou in the rock garden or planted in la pots and cultivated in jars or va

We increase our stock by cutt and by grafting, and we have fo it also a good way. However, m of the plants of the mountain \(f\) are herbaceous and have not branch roots. They cannot consequently divided. Cuttings from them made and placed under a "clo (a glass bell which, attracting warmth of the sun, hastens growth plants under it), or in a coldfr in sand. Grafting is practical, part larly in a species of the genus Dap for the Pomacees, the Salicinees, Acanthalimon, some Compositaes, Rhododendrons, the Peonies, etc

\section*{proper culture}

The culture of plants of the mountains is easier than their acel tization by transplanting them. A having studied the nature of the pine plants, and the conditions un which they exist in the glacial reg it will not be difficult for us to scribe the method of culture for frail plants.
We will divide the list of var introduced into several categories, cording to their nature, their n their special demands and their ner of growing. We enumerate groups of plants, distinguished their manner of culture.
(Continued on page 170)
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(7) OUR regular electric light wires will give you accurate time on the 2 Telechron, the only household timekeeper equipped with a sweep-
 A Telechron is always appreciated as a gift. Ask your local Jeweler or Electrical
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Philadelphia Office, r700 Walnut Street



Even more than faith in Wheary standards has inspired the growing preference for the Wheary Wardrola. Consider such definite advantages as these: A child's strength can easily roll it open; a touch will close it, protecting its contents from dust and "light fingers" when you leave your hotel room. There are no rumpled rugs; no marks on bare floors; no rollers exposed to damage in transit. Its solid base is a bulwark against breakage, sav ing repairs; prevents tipping; keeps out the dirt of baggage rooms. The net result of these advantages is complete clothes protection.
\(\left[\begin{array}{l}\text { See the new VACATION and VARSITY } \\ \text { SPECIALS }\end{array}\right.\) SPECIALS now on display by Wheary merchants. Also the WHEARY TRAVELTE
for automobile travel. Booklet on request
Wheary Trunk Company, Racine, Wisconsin The only trunk manufa acturer honored b)
memberstip, Rice Lader of the
Canare Manufactureres: M. Langmuir Mfg. Co. Lta., Toronto Canadian Manufacturers: M. Langmuir Mig. Co. Lta., Toronto

\author{
WAR,D R,OLA
}


THE TRUNK that Rolls OPEN


\section*{Pyorrhea seizes}

\section*{4 out of 5}

Remember that four out of five who pass the age of forty, and thousands even younger, contract pyorrhea through carelessness. These are dental statistics.
But you can be the lucky one out of five if you will exercise ordinary precaution. Let your dentist inspect your mouth at least twice a year and brush teeth and gums twice a day with Forhan's.

Pyorrhea steals upon you like a thief in the night. First come tender bleeding gums. Then gums recede and teeth loosen in their sockets. Poison seeps through the system, often bringing on neuritis, rheumatism or worse.

If you already have pyorrhea see your dentist for treatment and start using Forhan's. If you still are free from this scourge, brush your teeth and gums regularly with Forhan's as a wise precaution.
If used regularly and in time, Forhan's checks or prevents pyorrhea. It contains Forhan's Pyorrhea Liquid which dentists use in their treatment of this infection.

Forhan's firms the gums and keeps them pink and healthy. This pleasant tasting dentifrice cleans teeth thoroughly and wards off decay. Start using Forhan's at once. At all druggists', 35 C and 60 c in tubes.
Formula of R. J. Forban, D.D.S. Forhan Company, N.Y.


\section*{Forharis FOR THE GUMS}

MORE THAN A TOOTHPASTE . IT CHECKS PYORRHE


MATAWAN TILE CO., Matawan, N. J. MOSAIC TILE CO., Zanesville, Ohio NATIONAL TILE CO., Anderson, Ind.
OLD BRIDGE E. B. \&TILE CO., Old Bridge, N. J.

\section*{USE ASSOCIATION TILES}


\title{
Lasting beauty for the home setting
} Harfford-Saxony Rugs grow lovelier with use

A wide assortment of lovely patterns

Look for the name woven in the back

The name Hartford-Saxony is a true guide to lasting beauty. These lustrous, thick piled rugs come in a fascinating variety of patterns that insure harmony with any decorative scheme. The colorings are delightful! Soft, lustrous shades that an interior decorator loves to work with, colorings that give a room friendly, glowing warmth.
But most of all, Hartford-Saxony Rugs are remarkable for their service. They really grow loveleer with wear-just as fine linen grows more lustrous with the passing years.
Ask your dealer to show you Hartford-Saxony Rugs. Notice how the heavy body keeps the rug flat on the floor without slipping or curling. Stand on the rug
and see how comfortably the feet sink into the thick, deep pile! Take a corner of the rug in your hand and feel the weight. For every strand of yarn that forms the pattern on the surface, four others are woven into the body, besides the heavy binder and stuffer threads. Here is beauty that has no fear of passing years! Hartford-Saxony Rugs are exclusively the product of BigelowHartford, weavers for more than a century.
Our Department of Home Decoration will gladly cooperate with

Lustrous shades and luxurious, heavy pile

At your service, our Home Decorating

Department

\section*{稹igelour- Hartford}

RUGS
E
CARPETS


Choose hardware that never "runs down at the heels"
SOLID, gleaming brass or bronze! Finished to please the daintiest touch, yet strong to withstand the hardest of handling year after year. Rustless; smooth and quiet in operation; very definitely secure. That's Sargent Hardware!

Choose Sargent locks and hardware when first you plan to build. And do not stop with handle or knob and cylinder lock, knocker and push button for your entrance doors. It is most important perhaps that the Sargent kind be used here-as a guarantee against intrusion, against rust-stained woodwork. But you need the same flawless beauty and lasting fault-free service at every door and window in your home. Write for the Sargent Colonial Book and select appropriate designs with your architect. Sargent \& Company, Hardware Manufacturers, 31 Water Street, New Haven, Conn.


LOCKS AND HARDWARE



\section*{Before winter comes-} investigate house heating by GAS

Before the first chilling breezes of Autumn sound the warning that Winter is coming, let your gas company tell you how they can increase your Winter comforts.
Let them tell you how an Ideal Gas Boiler, automatically controlled, will keep your home evenly warmed all Winter long without the worry of fuel storage, ashes, soot and constant stoking of the furnace.

An Ideal Gas Boiler takes all the drudgery out of house heating-gives you a clean, convenient and reliable heating service without effort.

Your Gas Company will be glad to explain this new and modern way to Winter comfort. Consult themorwrite to us for illustrated booklet.

\section*{Heat your house with GAS}


Product of AMERICAN RADIATOR COMPANY
American Gas Products Corporation
376 Lafayette St., Distributor, New York City
Offices in principal Cities


\section*{Absolutely Sanitary}

\section*{-without a joint or seam to harbor germs}

EVERY housekeeper knows how ordinary wood toilet seats soon become hard to clean, how scratches, cracks and stains deface even the best and make them unsanitary.

Now science has changed all this A marvelous substance called Whale-Bone-Ite has been devised. A new-type seat built of it. In fine hospitals, in the leading hotels, in sleeping cars, this seat has been adopted.

Whale-Bone-Ite is brilliantly smooth. So smooth it literally cleans like glass! Nothing in or dinary use can destroy this smooth, polished surface. For Whale-Bone Ite is One Piece molded under tremendous pressure.
It has no cracks to harbor germs. No thin surface to wear through Non-inflammable. It can never
split or disfigure. Will last a life time.
The Whale-Bone-Ite Seat is jet black, gleamingly beautiful. It adds beauty to any bathroom. Architects urge this seat for homes. It brings new ease in cleaning, a new standard in sanitation, new attractiveness to the bathroom.
Your plumber can replace your old seat with a new Whale-BoneIte Seat in a few minutes, with out inconvenience.

\section*{Cross-Section of}

\section*{Whale-Bone-Ite Seat, FREE!}

To let you examine this amazing substance, Whale-Bone-Ite, we will send a little sample, an actual cross-section of a Whale Bone-Ite Seat. Also a leaflet showing beautiful examples of the new colorful bathrooms. Both free. Write today.


The WHALE-BONE-ITE Seat
Dept. 24-Whale-Bone-Ite Division H. G. 9-26 The Brunswick-Balke-Collender Co.
623 So. Wabash Ave., Chicago, Ill
Please send me a cross-section of a Whale-Bone-Ite Seat, and leaflet


Complete Oven Control


\section*{\(T W\) hat sincere pride} there is in owning anything as fine as human skill can make it. Such a possession is the Roper. It compliments the taste and distinguishes the judgment of value, in every woman who owns it.
For the Roper represents 41 years' devotion to the ideal of perfection. It is created out of the oldest experience in gas range manufacture. Judged by its convenience, its craftsmanship, its economy, or its beauty, it is finer today than ever in the fine history of the Roper name.
Thanks to Roper Complete Oven Control, woman is freed from her kitchen. Without a moment's attention, it not merely regulates but also distributes the heat in the oven. Thus it gives Complete control. In fresh air, moist and rich with oxygen, it bakes by a process which enhances the flavor; it saves time, saves food and fuel. Let your Roper merchant show you this and many other features -as well as the unusual choice of models and ssyles in the complete Roper line.
Geo. D. Roper Corpuration, Rockford Illinois Pacific Coast Branch: 135 Bluxome St., San Francisco, Cal.

The famous Roper Recifile
of indexed recipes will be \(\frac{\text { ROPER }}{\text { GASRANGES }}\) of indexed recipes will be
sent on receipt of 50 cents.

New Machine SCRAPES and REFINISHES Floors

With it you, yourself, can put your floorsin perfect condition and keep them so-costs but a fraction of one refinishing job.


ONE machine - yet it UNDERNEATH the old, unsightly varnish you may have beautiful floors. The Ponsell Floor Machine removes the present surface. It scrapes off the ground-in dirt, the dingy varnish or shellac. It brings back the hidden loveliness of the wood itself. Your floor looks "new-laid."
The machine sandpapers the floor, takes every bit of roughness from it, leaves it with a silky smoothness: Skilled carpenters, working many hours, could not improve upon its surface.

Next, the machine rubs wax into the floor. Here again it puts hand-work to shame. It rubs rapidly, with great power behind each turn of the brush. Under this friction the wax warms, spreads evenly. You use but half the quantity hand-work requires.

Then, with the same speed and vigor the machine polishes. Quickly it brings the floor to a fine, lustrous, non-slippery finish. You never dreamed your floors could glisten so, never imagined that old wood could look so new, could gleam so brightly.

\section*{Refinish Floors YOURSELF}

It costs money to have someone refinish floors for you by ordinary methods. Several hundred dollars, anyway. Yet, for a fraction of this cost you can do the work yourself and, when it is done, own a machine that will keep your floors permanently polished-that will go on saving labor as long as you live.
For the refinishing only needs to be done ONCE! A few minutes waxing and polishing once in a while, an operation absurdly easy, keeps your floors always looking as though they had been refinished the day before.

No special skill is necessary-no unusual strength. A child can operate the machine. And think what it means to avoid having workmen in the house-to avoid the mess-the danger of damage to your furnishings. Think what it means to be able to proceed leisurely, room by room, instead of having the whole house upset while you wait uncertainly for workmen to finish up.
scrapes, sandpapers, waxes, polishes and scrubs.

\section*{Good for ALL FLoors} Not only wood floors, bue linoleum floors are put in perfect shape by the Ponsell machine. It will scrub them without the least splashing to spotless cleanliness, then polish them until your face is mirrored. It gives linoleum a luster surpassing anything you have ever known before-a surface so immaculately smooth that dust and dirt have a hard time sticking to it. Tile, marble, mosaic, or rubbercork, terrazo or cement-no matter what the floor, this little machine wins enthusiastic praise for its results.
In thousands of homes, in all parts of the country, this machine has been quickly welcomed. "Greatest labor-saving device we have," says one woman. "Old neglected floors now in good condition," writes another. And still another declares "I have lost my dread of waxing days."

\section*{Branches in 24 Cities}

We have established branches in many cities for the convenience of our customers. We are ready and anxious to give you a FREE demonstration in your own home, or, if you are too far from our nearest branch, a ten-day FREE trial. But first, write to us for a description of what the machine does and how it does it. It is a most interesting story-a story that every home-owner should read. Writing for this booklet is the first step toward a vast improvement in your floors, toward greater charm for your entire home.
There is now no need to be satisfied with dingy, unsightly floors-within a day you can transform them. There is now no need for the back-breaking labor of bending and stooping, the wear and tear on your hands of water, soap, cleaning fluids, scrubbing brushes and wet rags-no need for wearing yourself out in rubbing, polishing, mopping and drying floors.
Mail us the coupon now while it is so handy and let us show you the way to avoid this labor and gain floors that your friends will envy and admire.

\section*{PONSELL FLOOR MLACHINE CO.
1)ept. \(19,220-230\) West 19 th St.. \\ 1ept. 19, 220-230 West 19th St., New York City}

Please mail me complete information and prices regarding your Electric Floor Machine This does not obligate me in any way whatever. Name.
Address
City

\section*{}

\section*{Engineered to a StandardBuilt Complete at the Factory}
"Engincered to a Standard." To do one job only-and to do it perfectly-to heat homes. To provide always, regardless of weather, just the right heat, at the right time. To operate without the expert supervision given industrial oil burners-but to be instead, wholly automatic. To be quiet, odorless, clean. To be unfailingly and instantly efficient. To be genuinely economical.

This, in Kleen-Heet, is both an ideal and an actuality. For not only is Kleen-Heet "engineered to a standard." It is also
"Built complete at the factory." KleenHeet's efficiency does not depend upon complicated installation. Nothing is left to artisans unskilled in the science of heating. In KleenHeet, everything necessary to efficient operation in your home comes in-built, according to engi neers' specifications.

That is why, through more than six years, Kleen-Heet has so remarkable a record of performance. In homes of every size-and in every type of heating plant.

Whatever the size of your home, Kleen-Heet offers you the same care-free comfort! For descriptive literature and name of KleenHeet dealer in your community, write

WINSLOW BOILER AND ENGINEERING CO. 208 South La Salle Street, Chicago

\section*{KLEEN~HEET ruith O il}

Tested and Listed as Standard by the Underwriters' Laboratories



Euonymus radicans carrieri can zeell be used as a low edging along a swalk. It is hardy as far north as Boston, and is better off for careful clitping and training

\section*{PLANTS TO MAKE HEDGE}

\section*{(Continued from page 93)}
bank, digging a ditch in front and protecting them by a fence placed about four fect away until they are sufficiently tall to ward oft animals.

Now as to material. Almost any kind of woody plant can be fashioned into hedges but those of twiggy habit of growth are most serviceable. As a rule one sort of plant only should be used, but mixtures such as Thorn with Beech and Hornbeam can be advaintageously employed. The first essential is complete hardiness, so the plants usable vary in kind according to climate; the warmer the region the greater the variety available. The desired height of the hedge is also a very important factor in determining material.

The two most popular hedge-plants in northeastern North America are Privet and Thunberg's Barberry, their popularity being largely due to the cheapness and readiness with which
material can be secured. For maki low broad hedges, Thunberg's B berry is rich in good qualities. It very hardy, withstands considera abuse and is good to look upon at seasons of the year, not least in win when strung with its scarlet fru The Privets have been favorites sin long past and are likely to remain Where they are fully hardy they ha much to recommend them for t purpose. For instance at Newpo Rhode 1sland, they thrive and Pri hedges are a feature on very ma estates. But in New England genera and regions with a similar climate so-called California Privet (Ligustr ovalifolium) is not hardy and the fore should not be planted. This Pri is native of the seacoasts of Japan a cannot withstand zero temperatu with impunity. Over a wide area America this plant is perfectly hap
(Continued on page 174)


Of taller habit is Euonymus patens, another evergreen member of this interesting family. It has broad ovate leaves and is sometimes sold under the name of \(E\). sieboldii

\section*{The Charm of Beautiful Walls}


Modern interiors, depending so largely upon fine plaster effects, need a dependable metal lath. Your choice can wisely be GF Herringbone Rigid Metal Lath.

THE walls and ceilings of your home must convey an impression of beauty, of taste and charm-they must be a decorative asset enhancing the fine qualities of your carefully selected furnishings. But they must also perform another duty, they must provide sound, fireproof, permanent construction.
And when you choose GFHerringbone Rigid Metal Lath you assure yourself of walls well fitted to perform their double duty. Not only is beauty of plastered surface given its utmost permanence over Herringbone Metal Lath, but firesafety, so important in modern building of homes, is greatly furthered by this Metal Lath of lasting Armco Ingot Iron. Interesting literature free on request.

THE GENERAL FIREPROOFING BUILDING PRODUCTS, YOUNGSTOWN, OHIO
Members of the National Council for Better Plastering Branches and Sales Agencies in Principal Cities

\section*{GF Herringbone Rigid Metal Lath}

\footnotetext{
GFHerringbone Metal Lath was the pioneer metal lath made of Armco Ingot Iron. This world-famous iron with its high \(H\) utmost durability in GF Herringbone Metal Lath
}

\section*{we need CHAMBERLIN Metal Weather Strips"}

> How often last winter was your house uncomfortably chilly because of the icy draughts that blew in around doors and windows? How often did you make up your mind that you would not go through such a winter again-but that next year you would have Chamberlin Metal Weather Strips? Don't forget now is the time to install Chamberlin Metal Weather Strips-now, before cold weather sets in again.
> Chamberlin Metal Weather Strips shut out draughts that blow in around windows and doors, and enable you to maintain uniform temperature throughout the house. They bar out the dirt, soot and rain that depreciates your furnishings, and cut yearly fuel bills from 20 to 40 per cent.
> Chamberlin installs its equipment, and guarantees and services it for the life of your building. Get the full facts now!

> CHAMBERLIN METAL WEATHER STRIP CO. West Lafayette Blvd., Detroit, Mich.
> 100 Sales and Service Offices throughout the United States


Chamberlin Metal Weather Strip Company West Lafayette Blvd., Detroit, Mich. Please send me literature on Chamberlin Metal an appro Strips and Inside Door Bottoms. Also home which has --...--windows and.-----doors. NameAddress. City-. State FC97


\section*{Is your bathroom ready for guests?}

Robably every woman, when she has guests coming, gives her baththese inspections are made, there are thousands who cannot help feeling disappointed, and who ask, "How can I make my bathroom look more attractive and up-to-date, without the expense of making the whole room over?'
Formerly, this quest.on, looked for an answer in vain. But quite reently, this has become no longer true. There is now a satisfactory answer, and a practical, inexpensive method that can be applied easily and quickly to any bathroom. Already,thousands of American homes have sed it and now enjoy the luxury of more attractive bathrooms than a few years ago were thought possible.

\section*{Now - a new beauty}

The discovery of this method came through a recognition of the principal ause of untractiveness in bathrooms. We now know that in 99 case out of 100 , unatturciveness is caused by the toilet seat. Nothing spoil the appearance of a bathroom so much as an old, dark-colored, cracked or otherwise unsightly toilet seat
Everywhere, following the lead, perhaps, of the newest and most uxurious hotels and apartments, old seats are disappearing. And in their place is being installed the new beauty of the modern "Church" Sani white Toilet Seat-white, smooth, handsome and durable as porcelain Quite likely, if you should inquire, you would find that a number of your neighbors have already installed them
The improvement made in the appearance of the bathroom is a surprise and pleasure to evervone. Its price makes it a luxury everyone can afford It stays permanently white-won't crack, splinter, chip, wear off or stain. Washes as easily as porcelain. You can install it yourself on any toilet in a few minutes. Obtainable at any plumber's.

\section*{Send for free book}

That you may see just what this Seat really is, send coupon below for Mrs. Mildred Stevens' sixteen-page book entitled, "An Easy Way to Make a Bathroom More Attractive," together with a free sample of sani-white sheathing. No obligation. Address C. F. Church Mfg. Co., Dept. All, Holvoke, Mass.

\section*{Church sani uhtic Seats \\ LOOK FOR THIS NAME ON UNDER-SIDE OF SEAT }
C. F. CHURCH MFG. CO., Dept. A11, Holyoke, Mass.
C. F. CHURC, men mart, please send me a free copv of your book. with fer sampe of Sani-white sheathink\(\square\) Booklet gladly sent in any all interested in considering the purchase of a Church Seat:

\section*{,}

\footnotetext{
-
}


ANOTHER day done; a day of pleasant memories or an outrage which reformers should have corrected long ago. Which is your fate -and why? If you have time to really live you have been thoughtfully provided with home conveniences, chief among which is modern hot water service.
A Hoffman Automatic Gas Water Heater is as necessary to the well-planned home as efficient heating/and/lighting methods. Opening any hot water faucet, at any time, instantly gives you all the hot water you want. That's all you heed do. Work is quicker and easier done. All previous annoyances are ended.
The Hoffman offers this wonderful service to every home for there are models and sizes for all. Low price, minimum operating cost and convenient terms remove every excuse for delay in owning itand it will helpyou to really live.
For the sake of a better home, write us for complete information or inquire of branch nearest you.

\section*{HOFFMAN \\ Automatic}

Gas
Water Heaters


The No. 45 Instantaneous Model, for small homes with usual hot water out- \(\$ 90\)
lets, is now only \(\$ 90\)

The No. 3, a slightly larger model for typical homes, is now priced at
only ... \(\$ 125\)

The No. 20-A Storage System ( 20 gallons capacity), for average homes, is
only \(\ldots 100\)\(\$ 10\)

The No. 40-A Storage System ( 40 gallons capacity), for larger
 homes, is
only \(\ldots 135\)

\section*{The Hoffman Heater Company 1701-15 Eighteenth St., Louisville, Kentucky}

NTA- 874 Peacheree st
FMORE- 877 N . Howard st . ON-37 High st, FALO- 1600 Maln St.
AGO- 122 S . Mlechigan Ave. AGO-122 S. Michigan Ave.
INATI-641 Main St. ELAND- 2536 Prospect Ave.
MBUS- 33 W . Long St.
MBU \(\mathrm{MBUS}-33 \mathrm{~W}\). Longe St.
\(\mathrm{AS}-1919 \mathrm{Main} \mathrm{St}\).

DETROIT-5521 Woodward Ave. FT. WORTH- 204 W . 11 th St.
HOCSTON- 1313 Texas Ave.
JACKsonvilLE.-1046 Park St. JACKSONVILLE- 1046 Park St.
JOHNSTOW - 146 Worth St. KANSAS CITY, MO- 225 W LORAIN, \(\mathbf{O}\). -1300 Oberlin Ave. LOS ANGELLES-1029S GrandAve. LOUISVILLE- 309 W, Chestnut St.
NEW ORLEANS- 750 Baronne St.

NEW YORK-441 Lexington Ave OAKLAND-16th and clay sts.
CHILADELPHIA-2405 Chestnut SAN ANTONIO-420 N. St. Marys SAN FRANCISCO-452 Powell St WASHINGTON


\section*{Good Buildings Deserve} Good Hardware


Attend to Hardware before you build if you would have it attend you after you build
FOR instance-this Corbin Door Holder, one of the many thousand "little things" in good hardware. A touch of the toe and it quickly, willingly serves you. Holds any door fast at any angle-releases it as easily.
A pleasant thing is hardware as long as it works well and looks well. If you would enjoy it after you build, think of these words before you build-
Corbin Hardware is Good Hardware
 The American Hardware Corporation, Successor
\[
\text { New York } \quad \text { Chicago } \quad \text { Philadelphia }
\]

176


\section*{BANISH THE} MENACE OF FIRE FROM YOUR HOME
EVERY three minutes an American home burns to the ground. Day and night the fire fiend threatens destruction. He lurks in trash piles, unemptied waste barrels, in your cellar and backyard. Banish him from your home once and for all with the Home Incinerator.
The Home Incinerator is the only satisfactory safeguard against fire. Its thousands of users keep their homes, from cellar to attic, free from all inflammable material, which they burn quickly and safely in this new home necessity.
The Home Incinerator disposes of all trash, refuse and garbage without smoke, odor or fuss. It is amazingly easy to operate and economical to use.

Your local gas company or dealer in Specialized Home Comforts has the Home Incinerator, and can install it in your basement without alterations to your present equipment. See him. Or send us the coupon for complete information. Models priced as low as \(\$ 95\).



\section*{On the road to Everywhere}

CLASS-snap-pick-up-and-go. Snug-low-easy riding-hammock-swung between the axles.
An amazing flow of velvet-smooth power at any speed-the steady pull that only an Eight can give. Silent, swift and economical.
That's the Jordan Observation Sedanwith the famous Line Eight motor-and
the new all-steel, all-vision, safety style body. Two in front-more behind if you want them-five ride with comfort.
The blue sky overhead-the green turf flying past-and a thousand miles of open road to Everywhere.
It's yours if you want it. Any Jordan dealer will tell you how.

\title{
Electric Refrigeration a Primary Necessity
}

\author{
Frank J. Forster, Architect, Looks Interestingly into the Future
}

Frank J. Forster, Architect, has attained eminence as a designer of Luildings throughout America. He is unique, in that he never attended an architectural school, but developed his art by actual manipulation of the tools of his work. In his designs for residences, the picturesque beauty of the exteriors is matched by the modern completethe exteriors is matched by the modern completeness of his interiors. Mr. Forster's work is shown
frequently in magazines of architectural interest.

ELECTRIC refrigeration? Well, it d took many a year for heating plants or water pipes to be considered an integral part of a building. Certainly, as time goes on, more and more people will become familiar with the electric refrigerator's amazing advantages.
"No one will think of the few extra dollars, compared to the relief gained. No one will consider living without the convenience of a constant ice supply and automatic control of temperature, or without the cleanliness and general comfort which these bring. No! If there is need for special economy, other factors of expense will be first eliminated."

Thus spoke Frank J. Forster.
"Besides," he continued, "the assurance of the electric refrigerator in the kitchen makes planning easier. It gives us more leeway. We can do away with the kitchen porch and its adjuncts. Sometimes, we can thus gain extra space in the kitchen, and round out its attractiveness. Furthermore, without the porch, the kitchen is a lighter kitchen; this should not be overlooked."
"What about the electric refrigerator, in remodeling of old buildings?" we inquired. "The fact that the refrigerator is 'at home,' in the kitchen, makes the remodeling less complex. We do not have to tussle with the old problems of refrigeration. The builder and architect are spared many a bothersome complication.
"Frankly, I believe that the electric refrigerator has far greater significance than was dreamed by its inventor."
© 1926, S. C. N. Y.


This kitchen is one of Mr. Forster's prides. By eliminating the ice-box entry, he has secured space for a charming breakfast alcove-and more light. The electric refrigerator (Servel, of course!) isfitted into "kitchen-cabinetrow. Mr . Forster says the excellent insulation of the refrigerator makes it practical to place it next the range

Which electric refrigerator? Many home builders have had competent engineers make investigations. They found: Servel has the coldest refrigerant used in domestic systems. Its motor starts and stops less frequently. Its temperature is automatically controlled by simple natural pressure. The result is lower operating costs combined with a more effective cold.

Facts, such as these, spread fast.

\section*{SEVEL}

Servel's growth in sales has been faster by several hundred per cent, than tha of any other electric refrigerator.
You can "Servelize" your present re frigerator at reasonable cost, or select fron 7 different complete models.
The Servel Corporation, 51 East 42n Street, New York. Branches in principa cities in the United States. In Lon don, England, Servel, Ltd.


\section*{The Maytag Will Sell Itself}

MERE words cannot adequately describe the Maytag. To really know the Maytag, you must try it in your own home, on your own washing.

That is the test that will prove to you whether the Maytag will wash collars and cuffs without hand-rubbing; whether it will wash a tubful of clothes in 3 to 7 minutes: whether its cast-aluminum tub will keep the water hot throughout an entire washing, and clean itself in 30 seconds after the washing is done. It will prove to you whether or not you can, after this trial, be satisfied with any other washer.

Phone any Maytag dealer-he will gladly arrange to do a week's washing free. There will be no obligation to buy. If the Maytag doesn't sell itself, don't keep it.
F. L. MAYTAG, Founder

THE MAYTAG COMPANY, Newton, Iowa

\section*{IIIartang}

Aluminum Washer


\section*{cook with the gas turned off!}

The woman who slaves needless, long hours in the kitchen, chained to an old-fashioned stove, squanders her precious youth and grows old before her time.
A marvelous development in modern cookery makes this unnecessary and brings to the housewife freedom from drudgery and waste.
The Chambers Fireless Gas Range is the most important forward step in household convenience in forty years. It brings to the housewife greater economies-money saved from the chimney to spend for pretty things she wants, and many more golden hours of leisure.

\section*{Gas bills cut in half}

The first tangible benefit a Chamber: Range will bring you is a lower monthly gas bill. You only burn half as much gas cooking the Chambers way, due to the Thermodome and the Chambers Insulated Oven.

Another important saving is made on food. For every full meal served in your home, a Chambers Range will prevent one to two pounds of shrinkage over old-fashioned methods.

The very food you put on your table will be more savory and appetizing because the Chambers features keep meats and vegetables from drying up and losing their natural juices.
But far more important to most women than the actual money saving effected by the Chambers Range is the freedom it brings from kitchen drudgery. Put your dinner on to cook and go away from home for the whole afternoon without another thought or worry. For after the gas has been turned on a short time it can be closed off and your meal will go on cooking without further expense, time or worry.
A valuable book for you
Write now for our free book, "Cook with the Gas Turned Off." It will be mailed gladly if you will fill out the coupon below.

MAIL THIS COUPON


\section*{Chambers}

\section*{DOBBY \\ SHOPS FOR WOMEN \\ "-}


\section*{Direct from Saris to} Robs Fifth Averne -come the brilliant-the gay-the new inspirations in women's smart attire. Dobbs Hats, Frocks, Coats and Sport Wear, Hosiery and dashing Sports Accessories. Clothes that set the pace for Fashion-exclusively Dobbs!

Only at Dobbs . . . in America can one secure the exquisite Leather Goods of HERMÈS, Paris . . . incomparable creations for Pocket, Travel, Sport -for

Men and Women.

\section*{Dobs er Co \\ 620 FIFTH AVENUE at \(50 t h\) ST. New York}

\author{
PLANTS TO MAKE HEDGE
}
(Continued from page 174)
ing hedges is \(E\). paten which is hardy as far north as Providence, Rhode Island. This has broad ovate leaves, rather more than \(1^{1 / 2}\) inches long, dark slightly shining green of leathery texture. It is sold by some nurserymen under the erroneous name of \(E\). sieboldii and is fast gaining in deserved popularity. For shore gardens in mild climates Euonymus japonica is a long standing favorite. Salt spray does it no harm and properly cared for it makes a dense and excellent hedge. There are yellow and white variegated forms of this lustrous leafed evergreen. Like others of its clan it is prone to scale-insects and to maintain it in perfect health requires spraying from time to time.

\section*{from south america}

Were Californian gardens bereft of Berberis Darzuinii they would lose one of their chief ornaments. This lovely shrub hails from South America and worthily commemorates the great naturalist who discovered it in 1835. Of compact habit, it grows fully twelve feet tall, bears rich orangecolored blossoms in racemes and is densely clothed with dark shining green, spiny sessile leaves. It makes a splendid hedge and bears abundantly plum-colored, oval pea-like fruits, the seeds of which insure the ready increase of the plant. A hybrid of Darwin's Barberry and another South American species (B.empetrifolia) is B. stenoplyylla, the loveliest of all the evergreen Barberries. This has arching whip-like branches, narrow blackgreen leaves and golden-yellow blossoms. Planted on top of a bank or at the foot of a low wall it can easily be trained into a beautiful hedge, requiring only to be trimmed emmediately after flowering. So trained it is mound-like in appearance with gracefully arching and hanging branchlets. California and the South should treasure this plant.

Much used in California is the comparatively new Box Honeysuckle (Lonicera nitida) which I discovered and introduced from the ChinoThibetan borderland in 1908. It is a twiggy bush of very rapid growth and easy propagation which bears clipping remarkably well. The leaves are small, lustrous dark green and Box-like, and the whole plant singularly neat and pleasing. The Escallonias with the white, red and pink blossoms and small shining leaves are excellent as hedge plants for California and the warm South. And in the same region for high hedges the Olive and various Live Oaks can be used. The Oleasters (Elaeagnus spp.) are hardier and well adapted for screening shore gardens.

On Cape Cod and various parts of New England the so-called Japanese Quince (Chaenomeles lagenaria) is a favorite old hedge-plant and when rightly trimmed is quite a success. Its thorns make it formidable and its brightly colored flowers starring the branchlets add to its beauty. Like all the great Rose family this Quince is partial to scale-insects and spraying is frequently necessary for its health and development.

Van Houtte's Spirea is much plant in the northern parts of this count and when young and wreathed in bl som is pleasing enough, but it d not grow old gracefully and requi continual attention. I do not th i that this or any other Spiraea good hedge-plant. Around Philad phis and elsewhere I have seen go hedges of the interesting spiny Mar Orange (Citrus trifoliata). This really a good subject for the purp and deserves to be more widely in temperate parts of this country. If the object of a hedge be to fo an unclimbable rampart of def against stock or vandals, plants arm with formidable thorns are best. such purpose nothing is better than Hawthorns, almost any of which serve. The marvellous net-work hedges that give so much character cultivated England is composed most entirely of Hawthorn or Qu (Crataegus monogyna). This plan cheaply and easily produced, is for dably armed, is amenable to persist clipping and very hardy. It is m used in northern New York State abundantly in New Zealand. Som our native thorns if started right kept trained are equally good none more so than the Cock Thorn (C. crusgalli) with its lustr foliage. A plant formerly much for hedges in New England is Buckthorn (Rhamnus catharticus) it is coarse in character and pro get bare and leggy at the base.

For a high hedge and wind on clay soil the European Hornbe (Carpinus betulus) is to be rect mended. The best way to plant Ho beam is to incline every two plea toward each other so that they sect in the form of St. Andrew's At the point where the main cross each other scrape off the and bind them together, a nat union by grafting will then place and the horizontal slam shoots form a living palisade yellow-brown autumn foliage retai throughout the winter.

FOR WARM DRY soIls
On warm dry soils there is moth so good among deciduous plants tall hedges as the European B (Fagus sylvatica). Planted closely aether hedges fifty feet high can had of this Beech and as a high w break and defense against cattle t is nothing better. Owing to its d branching habit it is easily fashic into a narrow hedge impenetrabl man and beast, retains its russet-br autumn foliage until spring, give sense of warmth throughout the ter, and, if properly clipped, it for centuries. In Europe, especial Belgium and Great Britain, hedges are common. The most fan Beech-hedge, probably, is that Meikleour in Scotland. It is clai that this hedge was set out in and that the men who were plan it left their work to fight at the of Culloden, hiding their tools the hedge, and never returned to them. This wonderful hedge is feet long and 100 feet tall.

\section*{\(\cos\) DICKE Y CHIMNEY TOPS}

\(\mathrm{A}^{\mathrm{R}}\)TISTIC ATTRACTIVENESS joins with serviceable value to make DICKEY Chimney Tops a worth-while addition to your house. These tops give quaint charm to the English type of residence for which they are especially suited. They add the finished touch of beautyThey are economical, efficient and will improve the draft of any chimney.

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\section*{IHE PLUMBING IN THE HOUS}

T
HE plumbing system of a house may well be called its watchdog of health. The need for a correct and sanitary installation therefore cannot be over emphasized. Dealing as it does with the supply of drinking water, and the safe disposal of waste matter, it should be carefully studied and carefully carried out.

The water supply for the house is of prime importance. If a municipal water reservoir is available, we need but to connect to its lines, and, in this day of popular enlightenment along lines of health, trust to the department of health for its purity. If we must provide our own supply we should make sure by competent tests of the water's suitability for drinking purposes. Springs, wells, and streams are often available, and, if the water is found free from infection, are good sources of supply. If the source is at is sufficient elevation, say fifteen feet or more above the highest outlet in the house, a gravity system consisting merely of a supply pipe and a tank in the attic, may be used. If the source is lower we must then install a pump or hydraulic ram. For this system a steel pressure tank in the cellar is best. The pump may be operated either by a windmill or a gasoline engine.
In laying out the supply piping system for the house here are a few points which it is well to observe carefully: All piping should be kept as far from outside walls as possible Where it is necessary to run through them or in other exposed places the pipes should be wrapped with some form of packing to prevent freezing. Long horizontal runs should be avoided as far as possible. A shut off
should be provided at the base of vertical supply line, and at each fi ture, and there should be a drain co provided at the lowest points in system so that the whole system may drained. In installing hot water pip care should be taken to have them least six inches away from parall cold water pipes.

There are two common systems installation for fixtures, the sing stack or vent, in which non-syphonab traps are used at each fixture with b a single vent stack, which also acts a soil line; and the back vent or co tinuous venting system, in whi ordinary S traps are used and whe each fixture is vented through a stad parallel to the main one, into which is connected in the cellar and ju under the roof. The former is cheap. and, where permitted by the loc building code, should be used. Sin most codes were written before perfection of the non-syphonable t the continuous venting system is usual required.
In arranging the plumbing in house the fixtures should be as near above one another as possible, so as climinate long horizontal runs additional stacks.

The hot water heating equipment usually located in the cellar. It can either gas, oil or coal burning. T last named is best for a large supp of hot water. There is a system installing coils within the fircbox, which the furnace can be made furnish hot water. If a coal range used in the kitchen, the familiar sy tem of boiler and hot-water back c be used. This should be avoided ho
(Continued on page 182)


This diagram shows a typical plumbing layout for a small house. If non-syphonable traps are used the piping shown in broken lines may be omitted


\section*{Celebrated Thatcher Tubular Furnaces Mean Health}

YOUR DOCTOR will tell you that health in your L home is largely determined by air, temperature and ventilation; that the air your family breathes must be thoroughly warmed and also well circulated, healthful and moist.

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Several models available. Approved by Good Housekeeping Institute.
Walker Dishwasher Corporation, 51 Walton St., Syracuse, N. Y. Please send booklet. I am interested in \(\square\) Sink. \(\quad \square\) Separate model (Please check). Name.

Street and No.
City and State

THE PLUMBING IN THE HOUS
(Continued from page 180)
\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|}
\hline \multirow[b]{2}{*}{Fixture} & \multirow[b]{2}{*}{Material} & \multirow[t]{2}{*}{Type} & \multirow[t]{2}{*}{Height} & \multirow[t]{2}{*}{Size} & \multicolumn{2}{|l|}{SUPPLY} & \multicolumn{2}{|l|}{DRAIN} & \multicolumn{2}{|l|}{VENT} \\
\hline & & & & & Mat. & Size & Mat. & Size & Mat. & Si \\
\hline \[
\begin{array}{r}
\text { Main Sup- } \\
\text { ply Link }
\end{array}
\] & Wrouglit Iron & & & \(1 \% "\) & & & & & & \\
\hline Wash Tube & \begin{tabular}{l}
Vitreous \\
China Soan Stone Slate \\
Cast Stone
\end{tabular} & & \(32^{\prime \prime}-36^{\prime \prime}\) & & \[
\begin{aligned}
& \text { Brass or } \\
& \text { Wro'gt } \\
& \text { Wron }
\end{aligned}
\] & 1," & Lead & \(2^{\prime \prime}\) & Steel & 2 \\
\hline \[
\begin{aligned}
& \text { Kitehen } \\
& \text { Sink }
\end{aligned}
\] & \begin{tabular}{l}
Vitreous China \\
Enameled \\
Iron
\end{tabular} & \begin{tabular}{l}
Hanging \\
Legged
\end{tabular} & \(36^{\prime \prime}\) & \(20^{\prime \prime} \times 1.12^{\prime \prime}\) & \[
\begin{aligned}
& \text { Brass or } \\
& \text { Wro'gt } \\
& \text { Iron }
\end{aligned}
\] & [" & Brass & \(2^{\prime \prime}\) & Steel & \(2^{\prime}\) \\
\hline \[
\begin{gathered}
\text { Dish Wash- } \\
\text { ing Sink }
\end{gathered}
\] & \[
\begin{array}{|l|}
\text { German sil } \\
\text { ver } \\
\text { Copper } \\
\text { Enameled! } \\
\text { Iron }
\end{array}
\] & \[
\underset{\substack{\text { Oval, Built- } \\ \text { in }}}{ }
\] & \(36^{\circ}\) & \(18^{\prime \prime} \times 36^{\prime \prime}\) & \[
\text { " } \begin{aligned}
& \text { Brass or } \\
& \text { Wro'gt } \\
& \text { Iron }
\end{aligned}
\] & \(13^{\prime \prime}\) & Brism & \(12^{\prime \prime}\) & Stecl & [13/ \\
\hline Vegetable
Washing
Sink & Porcelain
Enameled
Iron & Hanging & \(35^{\circ}\) & \(18^{\prime \prime} \times 36^{\prime \prime}\) & \[
\begin{aligned}
& \text { Brass or } \\
& \text { Wro'gt } \\
& \text { Iron }
\end{aligned}
\] & \(\therefore "\) & \[
\begin{aligned}
& \text { Brass } \\
& \text { with } \\
& \text { stand- } \\
& \text { pipe }
\end{aligned}
\] & \(1{ }^{\prime}{ }^{\prime \prime}\) & Steel & 15 \\
\hline Lavatory & Vitreous China Enameled Iron & \begin{tabular}{l}
Hanging \\
Pedestal
\end{tabular} & \(32^{\prime \prime}-36^{\prime \prime}\) & & Bras* & 13" & Brass & \(113^{\prime \prime}\) & Steel & 13) \\
\hline Bath Tub & \[
\begin{gathered}
\text { Porcclain } \\
\text { Enameled } \\
\text { Iron }
\end{gathered}
\] & Built-11 & & \(5^{\prime \prime} 0^{\prime \prime}\) & Brass or Wro'gt Iron & \(8 \prime\) & Leal & 1;" & Steel & 1 1 \\
\hline Shower & Brask & \[
\begin{aligned}
& \text { Non-splash } \\
& \text { if used in } \\
& \text { tub }
\end{aligned}
\] & & & Brass & \(8{ }^{\prime \prime}\) & Lead & 1124 & Steel & 13/ \\
\hline Water
Closet & Vitreous China & Double jet Siphon jet Siphon & & & Brass & ! 2 " & Lead & \(4^{\prime \prime}\) & Steel & \(4^{\prime \prime}\) \\
\hline Soll Pipe and Main Vent & Cast 1ron & & & \(4^{*}\) & & & & & & \\
\hline Back Vent & Steel & & & 2 & & & & & & \\
\hline Hot Water Boiler & Copmer & Vertical & & & & & & & & \\
\hline
\end{tabular}

The list above gives all the data necessary for intelligently ordering the necessary fixtures for household plumbing systems. Where alternate materials are named they are given in orider of preference
ever, as it takes up valuable space in the kitchen.
On the first floor are usually located the kitchen sink, vegetable washing sinks, dish washing sinks, ice box, and often a lavatory. The laundry tubs may be either here or, preferably, in the cellar. The ice box connection is particularly important, as any unsanitary condition surrounding it will contaminate the food supply. It should never empty directly into the main drainage system, but should be provided with a lead or zinc pan into which the water drips. From this there should be a drain line properly trapped and vented, emptying into the main drain or, if permitted by the building code, it can be carried outside the house into a drain well or gravel sump, or into the storm drain.

Bath rooms are usually located on the upper floors. These should be as near as possible immediately over fixtures on the lower floors, and, if more than one are installed, they-should be as near together as is possible. This makes for economy in pipe lines and equipment.

The disposal of waste is a most important item. As the main stack reaches the cellar it should be provided with a clean-out connection and then carried under the cellar floor. A house trap and fresh air outlet should
be provided, and the soil pipe carri out through the foundation wa which should be arched over to p vent settlement of the walls fro cracking it. The soil line should e tend outside the foundation for abo five feet, where it should join the t line to the sewer, cesspool or sep tank. This line should be at least inches in diameter, cemented at joints and laid at a minimum grade one quarter inch per foot. If a sev connection is available the disposal waste is a simple matter, but if must provide a disposal system should take great care that it is e ciently worked out and is not harm to drinking water supplies in vicinity. The septic tank and tile fi is the best system for sewage disposa It consists of an hermetically seal chamber in which chemical action co tinually breaks down the solid matt of the waste, rendering it soluble odorless. From this chamber liquids are carried out into a tile fiel laid with open joints, and there lowed to seep into the soil. The ce pool is practical only in a very poro soil and even then only for a limit number of years. Its uscfulness, hov ever, can be prolonged by addir radiating tile lines to it thereby creasing its seepage area.

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The Wade Shifflett home, Napa, California, illus trated on this page, was built 58 years ago, entirely of Redwood. It is still sound and liveable and repairs have never been required.
This home is not unique. One finds many such wit-


58-Year Old Home of Mr. WadeShiffletr,
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\section*{CONCERNING GATE}

WHAT was the origin of the first gate is beyond the capability of the present writer to recall. Perhaps the more or less human form that used to be attached to the Neanderthal Skull hit upon the idea as a means to reach his megaotherium herds at milking time without risk of their escaping from the pasture and trampling down the lithodendron bushes in the front yard. Be that as it may, the gate has for centuries served human-kind as a combined passageway and barrier, an An excellent example of decorative iron grille work in an arche.l brick wall

outdoor door whose convenience never be decried and whose appear: can and should be a source of plea to the cye and the imagination.

By one who considers gates obs antly they may be divided into general classes: those which unequ cally bar the stra out, and those w exclusive qualities mitigated by an spoken invitation least to pause and within. The first the snobs, the generous, the Marners of gated (Cont. on page 1

The well chosen serves as a barrier a needful without b obtrusive



- fuel bills \(\sim\) health

THAT warm glow of year round comfort some houses radiate is not a matter of chance. Certain definite things-and these alone - can guarantee freedom from cold, drafts and dirt.
To know what these things are, how best to use them, practically; to build warm, draftless houses, has long been the business of Ceco engineers.
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\section*{METAL WEATHERSTRIPS}

\author{
FREE: Cost Estimate
}


The Italian feeling is strong in a delicate little wall gate at Dixey Villa, Lenox

\author{
CONCERNING GATES
}
(Continued from page 186)

Gate construction should be the last word in endurance. If wood is used, whether in picket, bar or solid form, let it be of ample thickness, well seasoned and solidiy put together. Regular painting or oiling, for either wooden or metal gates, is of course essential to protect them against the weather. As a general rule, have the metal black or very dark green, and the wood white or green. Sometimes, for a very cottagey effect, a solid wooden gate of blue or yellow is excellent.

In virtually all cases gates should permit a view from the outside looking in, or vice versa. This is provided in the solid forms by having their tops below the level of the eye, and in the picket, grille and other open-
work styles by the spaces between uprights and cross-members.

All of these principles are dem strated in the photographs used to lustrate the present pages. As looks at the gates and their sett one gains a clear and instant imp sion of what lies beyond. Decora considerations are well comb with those of practical utility to duce features of really worthw quality.
Some of these designs are of E lish origin, and all should serve as ject lessons for us in Amer Whether we own city or cour houses we may find in them sug tions of design and surround which can be adapted or reprod in to:o.


The gate for a city house may be more than usually striking in design, for it cannot, as a rule, call upon the decorative assistance of much planting


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I frescoed wall in the home of E. P. Grosvenor, Washington, Conn. The Hart represents Hartford and the spread Eagle, the Whig party

\section*{I'WO EARLY AMERICAN FRESCO1}

\author{
Nancy Me(lelland
}

THAT the frescoed walls of Italian - palaces were sometimes the inspiration of our carly mural decorato"s is a fact that proves itself occasionaliy in unexpected fashion in old Colonial houses. Who would dream of finding frescoes in two 18th Century dwellings only a few miles apart in the littlo town of Washington, Connecticut: After seeing them one wonders why his method of decoration was not more generally used.

Evidently the two rooms were done by the same local artist. Either his palette was limited or he considered certain colors especially suitable to the style of these rooms, for the two dec-
orations are identical in tone. background is yellow ochre, the tern is painted in black, light gray two tones of Venetian red

In the "Red House", owned Mrs. E. P. Grosvenor, the designs supposed to be symbolic. The I represents Hartford, and the spi cagle stands for the Whig politic the original owner of the ho Trailing wreaths of Laurel enc these two alternating symbols in cir and arrange them in conventi stripes. The painted dado bears figure of America in the guise o Indian, under an arch.
(Continuel on page 198)


This wall is frescoed in a pattern similar to Early American avallpaper. The loome of William Hickox, Waslington, Comn.




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all you know you aren't.

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The architect has, in this large house, by taking adval:tage of the contour of the ground and by restraint in lesign created a simple cottage effect

\section*{THE HOUSE AND ITS GROUNI}

\author{
RUBY WESTLAKE FREUDENBERGER
}

THE house should fix the tone and the scale of its surroundings. It should be the dominant object of the picture, the one for whose support all of the rest are there. The grounds simply form the setting for the hous:; their artistic purpose is that of background to set off and complement the foreground object. Everything about the place should be subordinated to the house in such a way as to contribute to its effect, for this is the only purpose and reason for their being.

The word "effect" is used advisedly for houses that are not always what they seem. Small houses sometimes appear imposing, spacious or rugged, while large ones may seem modest and simple. It is the quality characterizing the house that should be taken as the key to the planting scheme. Stiff, formal and impressive garden results must be left for stately and classic architecture. With the modest cottage and the informal, rambling building such planting should be foregone, no matter how much you admire it. The size of the grounds must, of course, be taken into consideration, but it is the type of the house and its lines and masses that set the limits for the planting to be done around it.

The proper relation of the house and its surroundings is the first essential for a harmonious whole, as well as for securing the full benefit of the beauties of the building. The effect of the good proportions and intrinsic charm of many a house is largely lost by inadequate or overdone settings. One defect is as fatal as the other The masses and sweep of outline of the shrubs and borders should be set in scale by the masses and proportions of the house. The lines of the house should suggest the lines and direction of the main courses of the planting.

The size of the lot very often is a most difficult factor to control and its proper relation to the house size must sometimes be disregarded in order to provide adequate living quarters. Nevertheless it wreaks its vengeance, artistically. Many fine and attractive city houses are set upon hundred foot lots or less when they should be in the midst of five or ten acre tracts. They are crowded and elbowed by their neighbors so that they present only a flat, one-sided view to the world and the effective beauty of their mass pro-
portions is lost. This is unavoid because of urban conditions. But the contrary situation is times found, too, and without the tenuating circumstances. It is perf possible for a house, even a stately imposing mansion, to be overcom its grounds if the surroundings ar arranged with relation to the req ments of the building. Espec does this happen in the case of country home where the owner's dulum of desire has swung away the cramped conditions of a city he goes to the other extreme of ing elbow room, and concent effort and outlay upon spacious elaborate grounds without fitting to the house. Of course he may round himself by limitless acres wishes, provided he gives the hou proper area and sets this off by sort of enframement or indicated line.

On the other hand there is the lot loaded with an unbearable bu because there is no large plot avai to take it. All of the shrubs plants that the owner's unrestr adoration suggests and the nur man's zealousness includes in the orative scheme are imposed upon poor little patch. The owner never to remember that he must his expansive taste and fit his i gence to his space. In his enthu he gets some of everything and duces a jungle. A house, larg small, in a lot crowded and smot in shrubs and Evergreens is a st sight. And of course a house l a vast sweep of ground, bare or grown, is no more attractive. and setting must be properly rela each other.

The area of the lot or ground the planting arrangement must be sidered jointly in planning for ing results. A small plot simply not carry a great supply of gro things. The result when this tempted is a cluttered, restless fe The small place, in fact, needs more skillful handling than the one, just as the small house tax skill of the architect to the u Here every defect is mercilessly to full view and the supply of rial is so small that when a few takes have been perpetrated nothi
(Continued on page 196)

\section*{RECIPE for Cheerful Housekeeping}

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the whole
To the home add the homemaker, and stir in the energy. Then drop in Lewis \& Conger tools and utensils to suit, until work has diminished, and housekeeping is humming along efficiently and with little effort. Flavor with sense of humor, and serve blithely with a garnish of commonsense.
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\section*{THE HOUSE AND ITS GROUND}
(Continued from page 194)
left with which to achieve off-setting successful features. A large plot is almost fool-proof in that it is hardly possible to blunder over its entire area, and besides Nature has more chance there to aid and remedy. But on the small place, restraint, that priceless quality anywhere, is imperative.
In laying out the small plot you must choose only the plants that, when properly placed, enhance the effect already suggested by the house. It may be coziness, serenity, hospitality; it may be dignity, reserve, magnificence -indeed any one of the countless expressions that a building may wear. But be assured that if you are a flower enthusiast you will have to approach the problem of your garden in a sacrificial spirit, knowing that you must forego many lovely and beloved plants. You cannot have everything; you must choose, and with discrimination as well as with adoration.

\section*{Planting for fffect}

Among the first things that you must renounce are wide and high hedges. If your heart be set upon a hedge for enframement, keep it low and narrow-a mere line of defining green. Much indulgence in Evergreens is another thing to be avoided. It is true that any place needs, and will carry, some Evergreens to give life and color to the winter landscape. But Evergreens are too heavy in effect and too concentrated in richness to be imposed in large quantities upon the little place. Wide borders with deep indentures and large, heary shrubbery clumps must be omitted, too. Choose plants of the finer-textured foliages for your masses and keep them trimmed to the scales of your picture. Be chary of dotting specimens about over your space.

The vogue just now swings much more strongly to the side of overdoing rather than neglecting planting of all kinds. This is particularly so with Evergreen use. The demand for these has so advanced their retail price that they are now almost beyond the reach of the average home maker. The admirable interest in the care and beauty of the home grounds which has swept the country in the past few years as a result of the activity of Garden Clubs and other agencies for popularizing floriculture has no more than got well under way, and now there appears the need for a word of caution against indiscriminate zealousness in welldoing. It is merely a new application of the old advice, "Plant thick, thin quick." Apply the latter half to your zeal for quantity and variety.
With this should go the other admonition, "Use your own judgment and taste, keeping always in the mind the requirements of your problem." Do not pick up just anything you sec that stirs some sort of a response in you and blindly follow by copying that plan for yourself. It may not be suitable to your situation, and it may be bad artistically. It is not always artistic appreciation stirring you when you experience a pleasant sense at looking upon something new in landscape work. I am sure it was not this which has caused the prevalence of the sol-
dier-like rows of Lombardy Poplar stringing in senseless lines down stree about lots and along division lines certain sections of the country. think some planter in a moment temporary aberration set out the fil row, and someone, secing it in pas ing, felt a stirring of his sense of derliness and regularity, mistook sensation for admiration of beaut went away and copied the idea. Th was started a series of copyings whi has resulted in a wide-spread bl upon our landscape and the unwise of a tree beautiful and effective in proper place. As the upward-reac ing element in a mass of shrubbe the Lombardy Poplar is as enthralli as a church stecple rising from mass of its building.

The striking effects of the bizar and exotic in growing things also s responses which are not always pu artistic appreciation.
Yet they are often assumed to such. A determination to have the effects for one's own results in cop ing a layout quite unsuited to its ne location. You should be sure wh your emotions really are when vie ing strong and unusual effects befo giving yourself to unrestrained a proval and adoption. The fact newness alone is sufficient to impr and interest, so weigh well befo copying. Subject all proposed plaı ing plans to the test of their accor ance with the effect and scale of buildings.

If your house be diminutive simple, or a combination of small, 1 masses, you must forego enorm shrubbery clumps and foundati planting. Do not try to carry shrt heavy enough to balance the mass un of a gigantic structure. We can recall instances of inviting little tages overcome and subdued by panses of shrubbery sufficient to panion a public institution. forget that your scale is fixed, your house is built.

\section*{value of lawns}

Whether your house be large small and your grounds spacious a or a mere pocket handkerchief o vard, leave some vacant areas of sw for repose and dignity. Too m scattering about of specimens, grou and beds, too much cutting into p and patches, kills the charm of it al the restless, uncertain note produc Big healthy stretches of clean gr lawn are perfectly modest and resp able-there is no need to attempt conceal them as if they were so thing of which to be ashamed. T are as potent in giving serenity assurance to the outside effect as plain uncluttered areas of wall sp in interior decoration.
Do not surround your plac whether it hold mansion or cottag entirely by a screen of shrubs Evergreens and every sort of gr ing thing. Privacy and seclusion delightful and much to be sought, so is modesty, but extreme diffid has a blighting effect. Ample se sion can be obtained without pletely blotting out the house.
(Continued on page 198)


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「HE toilet bowl should be kept espeially clean in hot weather. Use bani-Flush! Even the trap, unreachble to any brush, is cleared of all ediment and foul odors. Just sprinkle Sani-Flush into the oilet bowl. Follow directions on the an. Then flush. All marks, stains, inrustations vanish. Sani-Flush leaves white, gleaming porcelain clean as
Sani-Flush cannot harm the plumbng connections. Keep it handy in he bathroom always.
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With the Hill Dryer you stand in one spot while 150 feet of clean. tight line comes to you. Just set down the basket once and don't lift it
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Keep Furs and Summer Serges Safe at Home
\(\mathbf{M}_{\text {Pro }}^{\text {orts thrive in heated rooms, but }}\) will protect thousands of winter fee and summer serzes this fall Hold marments odorless, moth-proof, ready-to-wear and immediately acecessible.

Garments Hang Unwrinkled \({ }^{\text {Pro }}\) Tex Wardrobes are 5 ft . high. Suphitly constzucted, compact and sturdy safe but deadly to active roth lavel Wt. 35 lbs. Quichly assembied without tools. Price complete \(\$ 12.50\). Ask your dealer to order for you, or send
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Paint your stucco house with Bondex

Don't think for a minute that you can't paint
cally. You successfully and economi Bonder Waterp quickiy make your home look Paint will new again. Bondex is not an oll paint although it is applled by brush or spray.

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To enjoy them together in your own garden next season

\section*{Plant §elling: Bulbs This Fall}

D
ARWINS and Cottage, single and double, early and late,-therif D lovely cups brimming with color and nodding a merry "good morning" to you every day for weeks-from early April to Junc in fact-How can you afford to miss them!

You can't have too many of them! Order now and generously. plant them this fall and we promise you a winter of pleasant anticipaplant them this tail and we promise yoll a delightful surprises and years of happy
Temories:- the joys of Tulip time to as many as possible we make the following very special offers, all bulbs guaranteed top size and very first quality.

Schling's Special Border Collection
of gorgeous Darwin and Cottage Tulips
\(\begin{array}{rrrr} & \text { Per } 100 & \text { Per } 1.000 \\ \$ 43.00\end{array}\)


\section*{DAFFODILS and NARCISSI}

FOR NATURALIZING and LAWN PLANTING
Our Old Dominion Collection in choicest mix
ture of airy and medium Trumpets, short
ture of airy and medium Trumpets, All first
100 cupped and lovely Poet suality bulbs grown in Virginia where their
Bulbs
Bulbs culture has flourished since Colonial days.
\(\$ 8.50\) tized and none better can be grown anywhere
\(\$ 82.00\)
The supply will not equal the demand. Order
Eight Splendid "Get-Acquainted" Offers
100 Single Early Tulips in 10 named varieties
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100 Darwin Tulips in 10 named varieties 5.50
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100 Breeder or Art Tulips in 5 rare named varieties. Won derful shades of Bronze, Buff, Orange and Ap 8. 50 100 Parrot or Orchid Tulips in 4 named varieties 6.50
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100 Bedding Hyacinths in 4 colors 15.00
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100 Bedcus in 5 named varieties, 1 st size bulbs
\(5^{\circ}\). Discount if cash accompanies order

\section*{Extraordinary Offer}

\section*{100 DARWIN TULIPS \\ \(\$ 4.00\)}

Choicest, first-size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest usually sold.

A \(\$ 6.00\) value for only \(\$ 4.00\), or, if you prefer,
A \(\$ 6.00\) value for oulbs for \(\$ 2.50\)
50 bulb
Send for our Fall Bulb List-many other enticing values offered and described

\section*{Sckincis Bulbs}

618 Madison Ave., Near 59th St., New York
there be an opening somewhere through which your house looks the world squarely in the face, meeting with unflinching eyes the gaze of all beholders. Haven't you had the tantalizing experience of driving along the highway beside a fine estate, craning your neck and squirming and twisting to get a full view of the house, only to catch a mere glimpse of a corner here or of a patch of roof there or of a group of chimneys at another point-the house always eluding your vision like a nervous or guilty person who never meets your eye? It is not fair to the house to keep it eternally shying behind the petticoats of grow ing things. Your place is a picture with the house as the main object; how senseless then to have flanges on the frame to cover the real subject of the canvas. Your house is something to delight in. Show it to the world.

But do have a frame for the picture, even though it must be the merest suggestion of an outline. It need not be a hard, rigid fence or wall. Do not set your mansion in the midst of a big field or park, no matter how beautiful the park, so that to the onlooker the house is a mere speck on the landscape. Shutting out stock is not the only purpose that yard fences serve on the farmstead. The painter of : picture puts his foreground object on the canvas and gives it a background, and the whole is enclosed in a frame before you hang it on your wall. You do not simply take the detached paint ing of his chief figure and impose it alone on your wall paper. This is exactly what you do when you se your house in the midst of a broad field with no immediate and intimate background for it and no enframement for the whole to cut it out from the rest of the earth's surface. Mark it off, emphasize it, so it will present striking and definite unit. No house can compete in interest with a whol landscape. It is overcome by the
grounds when dropped alone in th extent and the full effect of its bea and strength is lost, wasted, thro This is especially true if grounds are beautified and their int sting features developed, for th here are so many more attractions vershadow the house and detract erest from it. In order to be free nake the most of large grounds vell as to add to the charm of whole, it is especially desirable mark off for the house its particu wea.
Some of the loveliest landscape tures must be introduced with care is to be kept subordinated to the hou It is practically impossible to hav lake or pool in reasonable proxim to a building that lacks a definite y or garden without the water tak the major interest to itself. There no other one feature in landscap that holds so many clements of att fiveness as a body of water, and n so assertive in commanding inter It takes both a house and a garden balance it. The motion of the wa its sheen and glitter, the growth ut the banks of the pool and the reflection of the border objects ble ing with the mirrored sky in its dep combine in a challenge to notice no single object can successfully o come. And there are all the other sible dangers-a winding, pictures driveway, a great group of mag cent and unusual trees, some uniqu xotic treatment of the groundsnumber of individual features can easily dwarf the dominance of house itself.
In planning the arrangement of grounds, remember that the size style of this defined area must be fi to the demands of your house, sc o its measure and tuned to its thus forming a distinct unit which flend into the larger background satisfying harmony, creating effect of a well balanced composi

\section*{r'WO EARLY AMERICAN FRESCO}

\section*{(Continued from page 190)}

The other fresco, in the house of William Hickox, is more like one of the early wall-paper designs that were coming into vogue at the time. The house was built in 1778 and is believed to have been painted as soon as the plaster was thoroughly drybetween 1778 and 1800. The pattern is stencilled on the wall, while the design in the former house was done free-hand. Both paintings are in tempera.

Occasional decorations of this sort served to vary the monotony of whitewashed walls in the homes of our New

England ancestors. There is an e lent frescoed room in the hous Walter P. Magee in Lyme and a P peian room in the house of John Alsop, in Middletown, Connec painted by an Italian during Directoire period
From old letters and memoir know that the greater part of American frescoes were done by neyman artists, who went about country on horseback and rec their board and lodging in return the decorations which they lef the walls.

\section*{SOLVAY makes drives and paths DUSTLESS}

THE most attractive and desirable roadways for private estates and country clubs are those of gravel or macadam construction.
To enjoy them thoroughly, however, they must be dustless! Make them dustless and maintain them in perfect condition with Solvay Flake Calcium Chloride.

This white odorless material is spread on the surface, absorbs moisture from the air, retains it on the road, keeping it slightly moist, firm, compact and dustless at all times.
The Solvay-treated drive or path is cleanit does not track or stain.
Solvay is also used with great success as a surface treatment for tennis courts. The championship courts at Forest Hills, Longwood and Germantown are kept fast, dustless, smooth and weedless by Solvay Flake Calcium Chloride.
Solvay is sold in 100 lb . bags and 375 lb . drums from 75 conveniently located distributing centers.

The complete Solvay story will interest you. Write for Booklet No. 1357

THE SOLVAY PROCESS COMPANY

\section*{200}

THE favorite Lily of the old-fashioned garden produces strong, stiff stems, studded with a mass of pure, glistening white flowers that enliven the perennial Flower garden, or, for contrast with the beautiful green shrubs of the June garden, are unequalled.

Plant During Month of October
and enjoy a good crop of flowers next June, or pot up, store in cold frame, and force for early winter in the greenhouse or conservatory.
Our bulbs of this splendid Lily are grown in northern France, and are the true thick-petaled variety, which is much superior in habit and flowering qualities to that of the southern-grown bulbs.
First Size Bulbs.
Mammoth Bulbs
\(\$ 3.50\) per doz.; \(\$ 25.00\) per 100
Mammoth Bulb
\(\$ 4.00\) per doz.; \(\$ 30.00\) per 100
Jumbo Bulbs....... . \(\$ 5.00\) per doz.; \(\$ 40.00\) per 100

Our 1926 Fall Bulb Catalog lists the finest varieties of American, Dutch, French, and Japanese Bulbs for planting in your Garden or Home this Autumn. High
Quality Bulbs" has been our specialty for over twenty-five years. Sent on request.

\section*{Chmpp \& Cbalerlo \\ \author{
30 \& 32 Barclay St., New York
}}

RARE PLANTS FROM HICKS

\section*{"A ristocrats of the Garden"}

M ANY rare plants brought to America by Prof, E. H. Wilson, and other explorers, have been tested and propagated at Hicks Nurseries. Unusual native plants spread their foliage and flowers before the visitor; so-called common plants have been bred up until they are fit to hold a high place in the modern garden.

> Among these rare and unusual plants are Taxus media Hicksii, Meyers Juniper, Chinese Cotoneasters, Enkianthus, Potentilla, Sarcococca humilis, Pachystima, Barberries in variety.

For the next three months most of Hicks' rare plants can be moved safely from our growing-fields. Dormant plants will be carefully dug and securely wrapped; large Evergreens will have "platform and canvas," all will be packed so that they will reach you in good condition.

Write for our special list of rare plants suitable for autumn and early winter planting.

Hicks \(\mathcal{N u}\) urseries

\section*{A Dozen Yards of Tulips} to Deck the Garden with Color

Tulips are spring's most welcome flowers. Their brilliant blooms pive a radiance not obtained from other early flowering plants. This coliection a 0 bulbs, spaced the usual distance, will make a border 1:
Superb Darwin And May Flowering Tulips
Baron de la Tonnaye, clear carmine rose. 30 inches.
Dream, heliotrone with silvery llac margin. 26 inche
Faust, deep purple-maroon. 30 inches,
Ingtescombe Yellow, deep yellow, Mlobe shape. 23 inches
Pancrama, oranse-red Breeder. 26 inches.
Pride of Haarlem, briniant salmon orange, terra-cotta, edged orange. 25 inches

Five bulbs of each ( 40 bulbs ) for \(\$ 3\) postpaid. 0 bulbs of each ( 80 bulbs) for \(\$ 5.50\) postpaid. 25 bulbs of each ( 200 bulbs ) for \(\$ 12\) postpaid.
New Catalogue of Bulbs for Spring Flowers
Describes bulbs for the spring garden and for the house in winter. Perennials and
if you wish a copy please send your HOSEA WATERER, Seedsman and Bulb Importer 711 Chestnut Street Philadelphia. Pa.

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©tripes! \\ - in a window shade that will not sag or ruffle
}

\(\mathbb{N}\)EVER before has it been possible to secure a window shade like this! Stripes in a material that will not sag or ruffle. Self stripes woven right into durable Brenlin-a shade cloth that will wear and keep its beauty two or three times as long as the ordinary kind!
For Brenlin, striped or unstriped, is quite different from the ordinary shade. It has none of the usual brittle filling of chalk or clay to break and fall out and leave unsightly cracks and pinholes to glare against theoutdoorlight.
of rolling and unrolling, the jerking and snapping of the wind. Rain will not discolor it, as it discolors shades of inferior quality And its beautiful tints, applied by hand, resist fading in the sun.

Yet the cost of Brenlin is only a few cents more. Be sure to see the new Brenlin stripes before you select your window shade material. Compare it with any striped window shade you have ever seen. Samples free upon request. Write for them and for the name of the dealer nearest you. Address Cincinnati.
The Chas. W. Breneman Company "The oldest window shade house in America" 2057 Reading Road, Cincinnati, Ohio
632 Fifth Ave, Pittsburgh Pa 6th St. at Chelton Ave., Camden, N. J.

Strong and flexible, much like tightly, woven linen, Brenlin has weight and body enough to keep it always straight and smooth. It resists the constant strain



\section*{Three Conservatories Worth Considering}

YTou know full well that in spite of approaching Dog Days, Jack Frost's Days are just around the corner. That means, the season is near at hand for the joys of a conservatory, sun room, or glass-enclosed living room.

Here are three particularly good suggestions. That smaller one at the right costs so little as \(\$ 585\). for the complete materials.

You can adopt any of these three to your needs; or we will gladly design one specially.

In either case, we will furnish the materials and equipment complete, ready for erection by local mechanics. Or you can put the entire proposition up to us from start to finish. The frame work will be of steel and the wood of highest grade cypress. Everything just the best possible to give you life long satisfaction and pleasurements.

Do you wish further facts and photos of any of these three subjects?

\section*{FOR FOUR GENERATIONS BUILDERS OF GREENHOUSES} त्रत्र

\section*{Tord \& Burnham © \\ Western Factory: Des Plaines, Illinois}

Eastern Factory: Irvington, New York
\begin{tabular}{|c|c|}
\hline Irvington & New York \\
\hline New York & \(30 \mathrm{E}\). 42nd St. \\
\hline Phladelphia & Land Title Bldg. \\
\hline Chicago Con & nental Bank Bldg. \\
\hline
\end{tabular}

Boston Little Building
Cleveland 1304 Ulmer Building Denver 1247 So. Emerson Street ST. Louss 704 East Carrie Avenue

\author{
HOUSE \(\mathscr{F}\) GARDEN'S BOOKSHEL
}

The Practical Book of ChinaRamsdell: J. B. Lippincott Co.

THE novice in the study of ceram:
 puzzled by the seeming confusion, and almost synonymous use, of thi terms employed to indicate the two great divisions of the potter's produc: It generally takes a long time for th novice to understand clearly the dif ference between poreclain and earth enware; to know which, if either, of the two, may properly be called "china" or "chinaware"; and to use the word "pottery" in its correct sense. The dilettante probably never get that far. But he need not feel discouraged or ashamed; for it is largely due to the carcless and inaccurate use of these ceramic terms, by writers on the subject, that most people speak of "china" without knowing whether they mean porcelain or earthenware or both
For this reason I think Messrs Harold Eberlcin and Roger Ramsdel were not particularly happy in the hoice of the title for their book The Practical Book of Chinaware The volume deals exclusively with porcelains, but here and there in it fext there is occasional interchang of terms, and even a fow of the man excellent half-tone photographic illus rations are not of porcelain object:
The dictionaries iefine pottery as cobjects of clay molded into form while in a moist and plastic condition, and then hardened by fire". Thus the term "potters" embrase both "pore lain" and "earthenware", and eve includes "stoneware", the harder coarser product which we associat with cider jugs and cookie jars. Por celain is translucent. Earthenware opaque. "Chinaware" is synonymous with "porcclain". It is correct to u the word "china" when referring to porcelain, although the general puble has adopted the word as a reneri term, meaning any kind of glazed ceramic object. To the arerage citizen a Staffordshire dog is a "china figure" and a Chelsea shepherdess is also

\section*{"china figure"}
"Pottery" is colloquially used in the sense of "eartherware", generally with reference to the coarser varieties of clay products. This is incorrect, because the finest piece of famillo serte or the daintiest Dresden group, Is well as the lowliest flowerpot of drainpipe, are all pottery

Mrs. Earle's book on "China Collecting in America" treats much moro of earthenware than of porcelain. Dr. Barber's "Old English China With American Views" records, describes and catalogues the "old blue" Staffordshire earthenware, and gives but little space to porcelain. In the titles of their books, both of these authors use the word "china" as a generic term for all ceramic wares While this may be technically in accurate, common usage has unfortunately given to "china" an inclusive meaning embracing all the products of wheel and kiln.
It is for this reason that I fear many readers may be misled by the title of "The Practical Book of Chinaware", which contains nothing

\section*{about Wedgwood or Whielden}

Palissy, or Della Robbia.
Nevertheless the book contains
value and interest on the su of porcelains, and is very fully rated with color plates and p raphs of notable examples of ch are Of particular interest to student are the two pages showin tabular form the characteristic ours and the characteristic type decoration. The authors make rather broad claim that theirs is only work in one volume that c the chinaware of all countries". Albert Jacquemart or Mr. W. prime might resent this. How "The Practical Book of Chinaw is, in many respects, more detailed complete than the works of carlice writers. Furthermore, the ont authors, as they themselves out, have dealt only with such as the collector of average means expect to obtain, either by inheritance or by purchase. N is devoted to muscum rarities. are the rarer kinds of oriental lain considered. It has been the ain the authors to reduce their s to its simplest terms, and to \(p\) the essential facts in such order arrangement that all the aspects relations may be quickly grasped this they have succeeded fairly Thev discuss the porcelains countries. First comes the "china China, along with the Japanese p lain; in this division are treated types of oriental china which cised important influence on European design, as well as those ound their way to the West in quantities, to become well known tures of domestic possession in Eng and America. Next follow the p lain products of the different F can countries, such as Spain, manv, Austria, Holland and F Then comes the chinaware of En and America. America is take last so that the reader may see asily how far foreign influences affected the art, in the forms familiar to the majority of us.

The chapters devoted to the p ain manufacture in different cou are subdivided into separate d sions of the more important fact and each one of these subdiv contains a brief history of a diff establishment, with a statement peculiarity of paste, contours, gl and types of decoration. Frequ the more important marks are sh and almost invariably some exce pictures of representative pieces. illustrations alone help greatl visualize the progress and dev ment of the art.
The china collector will be ested in the short chapter in th ginning of the book which dis "china-mania". Here we learn the habit of drinking tea, coffe chocolate, which came in vogue the middle of the Seventeenth tury, gave the initial impetus general introduction of china and supplied the stimulus for its lar acquisition. So long as ale prevalent breakfast beverage in land, the most fastidious coul quite content with mugs and tan
(Continued on page 204)

National Gold Medal Peonies
 for your Garden
\(\mathrm{A}_{\mathrm{cth}}^{\mathrm{T}}\) the largest prony \(A_{\text {show of the world }}\) June 1926, we were awarded the Grand Gold Medal for the finest Peonies exhibited, in competition with other growers from all parts of the United States.
This is the highest honor that can be conferred on any Peony grower and is awarded only for Peonies of Unequalled Quality-Variety-Color -Form and Fragrance.
Roots which produced the Gold Medal Winning flowers will be delivered to our customers this fall and with the Big Value Collections we offer, you will have a Prize Winning Garden at a nominal cost.


Our illustrated catalog "Peonies for Every Purpose", a complete story of the finest varieties of double, single and Jap. anese peonies, mailed free on request.
The American Rose \& Plant Company Producers of Plants that Grow and Bloom
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\section*{COIT'S Creeping Bent}

\section*{Makes Lawns Like Velvet}
d in six weeks! A rich, velvety stretch of lawn that chokes it weeds before they can grow. Scott's Creeping Bent will oduce thicker turf than other grasses, meaning that it offers eater resistance to weeds. With proper care no re-seeding ever necessary. You'll have a deep, thick, uniform turf at's everlasting and

\section*{Kakes Your Home A Beauty Spot} reeping Bent-long recognized as the ideal grass for golf atting greens- is now producing Super Lawons. Instead of wing seed, you plant stolons or the chopped grass-and in few weeks you have a luxuriant lawn like the deep green pile of a Turkish carpet.


Read all about this unusual grass in our illustrated booklet "Bent Lawns" which will be mailed you upon request. We will also gladly give you any further information you may want about "Scott's Creeping Bent",

\section*{O. M. SCOTT \& SONS COMPANY}

506 Main Street
Marysville, Ohio


\section*{Tust a Talk about a Hobby of Mine}

AUIUMN is here and with it my opportunity to again address you on a subject that has been dear to me for more than a quarter of a century and which interest. me to-day more deeply than ever-The Peony

Each Spring, when it is brought home to them that roots should have been planted the previous Fall, many people express to me regrets that they must wait another year for Peony flowers, and so, lest you forget it again until too late, may I urge you to action nowduring September and October.

And my appeal to you on behalf of the Peony is not merely a commercial one. It is true that "Dearest" needs an occasional new bonnet, the "Seedlings" a new Sunday School outfit, and father-Oh well, never mind, almost any old thing is good enough for him. This phase of the business is, of course, a necessary one to keep in mind, but outstanding above and beyond all this, as so many now know, is my unchanging love for this flower.

If you knew the Peony as I know it, you would love it as I love it. The brush of a Corot, master of colors as he was, would falter before the modern Peony's wondrous range and delicacy of shades. De Longpré (whom I personally knew and frequently saw in action), the greatest flower painter of our time, threw down his brush in despair as he failed to catch the elusive tints-the wondrous sheen of the Peony.

And who can drink in the delicious perfume of to-day's varieties without wondering what a Roger \& Gallét-a Colgate would give to match what Nature gives us so freely in the Peony. And speaking of Nature, did you ever stop to think how you and Nature working hand in hand can produce living pictures of beauty, such as no Rubens, no Corot, no Angelo ever achieved?

\section*{Tnderstand?}

A very dear old lady, who herself gave most freely of her time and wealth to the betterment of humanity, once asked me if I realized how my own efforts were making mankind happier and more blessed.

Time passes-opportunity slips by. Soon it will be a year too late. Send to-day for a free copy of

\section*{"The Flower Beautiful"}
which tells you the whole story:

\section*{George H. Peterson}

\author{
Rosic and Peony Specialist
}

Box 30
Fair I.awn, N.J.

HOUSE \& GARDEN'S BOOK SHEL
(Continued from page 202)
of silver or pewter. But the new, exotic drinks required something different. Tea, especially, demanded the association of porcelain, both for the sake of the flavor and also on aesthetic grounds. It was natural therefore that these foreign beverages should be accompanied by vessels deemed appropriate to their serving in the countries of their origin. Tea came from China, and the first cups to drink tea out of were also brought from China. As these were of a consistency unlike anything previously in use in Western Europe naturally they were called "china ware".

Very soon there developed considerable competition among the wealthy, and those of high position, to obtain the choicest of ressels for their tea drinking. Thus china collecting began. Queen Mary was a sincere admirer and ardent collector of chinaware. It is also related that Nell Gwynne used to go down to docks and poke around in the cargoes of newiy arrived East Indiamen in order that she might have the first pick of anything that pleased her fancy. Horace Walpole, became a great collector. Louis XIV had a special room in the Palace of Versailles in which he kept rare pieces of porcelain sent to him by his ambassadors to the Eastern kingdoms.

This demand for chinaware soon inspired the European potteries to endeavor to imitate the products of the East, and thus developed that great industry which ranks now among the foremost. The development of the artistic side of the industry is followed and described in Messrs. Eberlein and Ramsdell's "The Practical Book of Chinaware", which, aside from being pleasant reading, is certain to find its place among china 'ollectors' books of reference.

Albert Lee
The Romance of Design. By Garnet Warren and Horace B. Cheney: Doubleday, Page \& Co.

THERE is need enough of this kind of a book, and its title, whether intentionally or accidentally, is happily of a sort to attract the general reader. Nor will the general reader be disappointed with the subject and substance of the book.
There are plenty of technical books on design and "historic ornament," from Owen Jones down (or up) to the present day, but their very technicality has kept the general reader from any inclination to read them. And even students have got, from technical treatises on design, more of the form than the feeling of design. A knowledge of the fashions in ornament that characterized different periods of art in different countries does not necessarily make a designer.

Since most people think of design somewhat as they think of patterna specific thing that they like or don't like, according to fancy or whim,
something of the inherent nature design must come to them as a rev tion. All art, including architect and painting, involves design, the pattern of a fabric or a w paper is only a specific instance.

Twenty-seven chapters traverse evolution of design from prehist to modern times, with exception well chosen illustrations. While essentially a book for the informa of decorators and makers of fu ture, it is of such definite value to artists that the publishers have wisely included it in their general stead of their special list of books
Produced in collaboration Horace B. Cheney, the splendid y of his house is brought to mind consistent and successful insistence the authenticity of the fabrics it duces, and its contribution to gen education and appreciation of authenticity in the remarkable s of advertisements widely placed the best magazines a few years As a sort of appendix to the b seventy-seven of these are printe a collection of exceptionally inte ing material which wouldbe extre difficult to assemble otherwise.
"The Romance of Design" is only a book, but a type of boo which we cannot give too much mendation, because it is this sort thing that most effectively insures present and future growth and semination of the good taste tha based upon knowledge and ap ciation rather than upon fad fashion.

The Culture of Perennials. Dorothy M. P. Cloud. New Y Dodd, Mead and Company.

THE aim, "essentially a prac one, dealing with the pris steps necessary for a successful pe nial garden, with the propagation nurture of the plants, and the m of combating their enemies," is tained with success greater that common. Selection, so crucial treatment intended for amateur unusually judicious. Most sen practices are set forth clearly. Am subjects, however, place is giver the Gladiolus and the Canna, the Tulip, the Narcissus and bulbous plants are omitted, and Rose, not conventionally to be cla as a perennial, is included. handling of this subject, though for a brief treatment, eminently cellent. But the names of vari always a ticklish affair in the cas species that in recent years have developing rapidly, would be cized by the specialist and even progressive gardener.
The makeup of the book, goo general, would be improved by ay ing, in the second part, the arbit and meaningless division into c ters, and some sentences woul easier to read if the punctuation accurate.


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FOR THE GARDENER'S SCRAPBOOK

That matter of quick results

THE world tells us that it is a national American trait to want immediate results. It seems that as a people we are willing enough to work and spend for the things we desire, but not to wait. We want returns, and we want them promptly.
However meritorious this attitude may be in material matters like the making of motor cars or the selling of house heating apparatus, it is a risky thing to apply to gardening. To a certain point only can one force the development of a planting; beyond it, Nature must be allowed to take her course, or we will he the losers in the end.

Perhaps the most flagrant horticultural example of the errors into which this eagerness for results leads us is found in the frequency with which the foundations of new houses are planted with evergreens wholly unsuited to such situations. Young White and Scotch Pines, American Arborvitae, Hemlocks and Colorado
Spruces-such things are planted merely because their immediate effect is impressive and quite regardless of the fact that in ten years they will be either dead or so large that the house will be lost behind them.

The rock garden is another place where a demand for immediate results is unsafe. Alpine plants are small even when fully mature, and to expect them to make much of a showing during their first year in a new home is unjustified. A trifle of patience in the beginning, on the other hand, will be richly rewarded, as those who have really fallen into step with the rapidly growing interest in the finer Alpine plants can bear eloquent testimony.
Rock gardening in America is in its relative infancy, but it is a healthy infancy that is moving fast toward maturity. Perhaps no (Continued on pag. 206)


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Contracts with the Holland growers specified largest sizes. Therefore in ordering you are assured the choice of their stock.
Plant bulbs in quantity this fall for a gorgeous display of radiant blooms next Spring. For your consideration a selection of a few of Name Color Drerce per Breeder Tulips are listed below.
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Paul L. Battey, Proprietor Box J. C. Glencoe, Illinois

FOR THE GARDENER'S S C R A P B O O K
(Continued from pagi' 205)
single phase of ornamental flower growing gives promise of greater popularity, for it is one which can be enjoyed in its perfection on the small plot as well as the great extent. Before it gains full momentum, however, we must realize that success with it cannot be won in a single season. It is for those who have discrimination, patience and a love for the most intimate and alluring of garden forms.

\section*{dormancy and transplanting}
\(\mathrm{F}^{\text {VEN under the best auspices, transplanting is more or less of }}\) a shock to trees and shrubs. Given their admittedly complex and interdependent construction, in which so much hinges upon the balance between the upper growth and the underground roots, it is obvious that any disturbance, particularly of the latter, must have its effect on the rest of the system. When the necessarily marked shock of transplanting is sustained while the plant is active with life and is putting its reserve strength into the production of foliage and new growth generally, its harmful effects may be serious.

It is for this reason that the must favorable time for transplanting is during the dormant or semi-dormant period which in most trees and shrubs extends from the time the foliage changes and begins to fall in the autumn until shortly before the new buds begin to swell in spring. While at other seasons the work may be carried out with fair success by taking certain special precautions, dormancy should be sought whenever possible.

As we look further into the matter we come to another influencing factor which narrows the ideal time still further: a plant
(Continued on page 207)


Quantities of Roses

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Faill planting assures quantitic of roses next Summer if you plant Star Roses-the roses that are guaranteed to live and to bloom Fall planting gives the roses time to become firmly rooted, to star slowly and naturally when Sprin comes, and to have the vigorous growth that enables them to withstand the Summer droughts. Every Star Rose is labeled with durable star tag. This tag give the name of the rose and is symbol of our guarantec. Sim ple and concise instructions ac company every order.

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\section*{Food for Sick Lawns}

After the severe heat of the summer, most lawns need encouragement to appear at their best next year. Close clipping, lack of food and insufficient moisture affect any lawn unless plenty of nourishment is supplied to strengthen the roots.

\section*{Peatmoss}
fects the grass roots from injur ious changes in temperature and by next spring will have greatly enriched the soil. Apply it when you sow grass seed in the middle of September for a rich, green turf next year.
Peat Moss is also invaluable for mulchmg tender plants, flower beds and greens-both Broad-leaved ases; Ever-bearingspacies-Flowerine Shd Con Trees. It gives full protection in sever weather and greatly improves soil weather and greatl
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At the top you'll find Achillea Clavenae, and last on the list is Viola bosniaca. Between these you'll find hosts of interesting rock garden ma terial, with flowers of varying colors and types of growth. If you are interested in the swiftly growing movement to ward finer rock gardens please write for my circular.

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Jamaica, N. Y

\section*{FOR THE GARDENER'S S C R A P B O O K}

\author{
(Continued from page 206)
}
should get into its new quarters long enough before the ground freezes for its roots to become well established. Winter is a hard season at best, and unless the newcomer has a month or more to become established it may suffer. Even though it comes unscathed through the cold weather, the shrub or tree that is moved just before the freeze-up will not be in a condition to take full advantage of spring's first growing weeks. The only exception to this is in the case of those things which are moved with a tightly frozen ball of earth around their roots which acts as a very efficient protection indeed.

Do most of your transplanting, therefore, within the next two months or so. And, unless rains are frequent, keep all newly set stock well watered artificially in order to help it get settled and, if possible, to stimulate it into making fresh root growth.

\section*{Concerning dwarf frutis}

ALL fruit trees have the distinction of being ornamental as well as useful, but these two qualities are exceptionally well combined in the dwarfs which are now available from several of the larger nurseries. For a time, several years ago, the supply was decidedly limited, but there is no excuse for depriving ourselves of these delightful little relatives of our regular orchard trees.
The dwarfs which we have specifically in mind are not of the "pleached" type which, trained flat against wall or trellis, are such a feature of English gardens. These are excellent in their way, but from the very nature of things they call for a special sort of setting. Much more generally useful and available are the Apples, Cherries, Pears and others which, without such training and shap(Continued on page 208)

RareOfferofPeoniesandTulips

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\section*{FOR THEGARDENER'S}

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ing, follow the form of standard trees on a miniature scale. They are, of course, grafted on wild root-stocks which keep them from attaining a height of more than \(10^{\prime}\) or \(12^{\prime}\) even if unpruned.
In most cases, three dwarfs can be accommodated in the space required by one standard size tree. They come into bearing at an earlier age than the large ones, and yield fruit of just as fine size and quality-indeed, sometimes finer because of the greater ease of keeping the trees in first-class condition. A considerable selection of varieties is available, so that a long season of continuous bearing can be arranged. Fall is the best planting time for most of them.

\section*{hee the rowe bei nom}

BECAUSE any piece of ground that has been freshly dur will continue to settle for several weeks, and because a reasonable lapse of time allows of a better distribution of the frest, plant food elements which it contains, the new Rose bed that is intended for planting this fall ought to be prepared now. Dig it at least two feet deep, see that it has fairly heavy soil but good drainage, and mix in liberal quantitics of bone meal, very old barnyard manure, and some lime to correct soil acidity.
If the surface of the bed is six inches above grade when you finish, it will eventually settle to the desired level. October and the first week or so of November are the best planting time. Should it be impossible to get the bushes in then, better wait until early spring. It won't hurt the hed to remain unplanted over the winter.
(Continucd on pag. 209)


\section*{Grow Rhododendrons}
successfully by reproducing conditions which these sensitive shrubs enjoy in native envi ronment. After exhaustive tests conducted at the famous LaBar Rhododendron Nursery, Stroudsburg, Penna., we offer

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FOR THEGARDENER'S S CRAPBO OK
(Continued from page 208)
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MOSS ON THE LAWN

POOR soil and inadequate drainage are the usual cause of mossy lawns, although in some cases the trouble lies in surface dampness and heavy shade. Where the upper layers of earth are impoverished and underlaid by rock or hardpan that comes close to the surface, moss is almost unavoidable.

The real remedy, of course, is to dig up the whole area, enrich the soil and, if necessary, put in sub-drainage. For the latter, a tile pipe system, properly sloped, may be used, or a corresponding system of trenches half filled with broken rock of good size.

A less drastic treatment for ordinary cases is to work out the moss with a sharp iron rake, sweep up and carry it away, and topdress with good loam. When all is properly graded and fined fresh seed is sown and rolled in.
The first three weeks in September are an excellent time to do this work, for the rains which usually come toward the end of the month will start the seed and give the new crops a good start before cold weather. If the area is rolled again in the spring as soon as the frost is out it should be a well-established lawn by June.

Another excellent reason for the planting of grass seed, espccially when making new lawns, at this time is due to the fact that most weed growth is through in the lawn by mid-September and for this reason, the grass will have a good chance to start besides getting an early growth sufficient to carry through the trials of winter. Unless the growth is sufficiently well started by the time
the really cold weather sets in, the consequent heaving due to the alternate freezing and thawing of the ground will either break the roots or leave so many air spaces that the insufficiently started ones will die of exposure.

\section*{12 2}

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Cyclone Fence .
Fiske Iron Fence,
Fiske Iron Fence
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Jackson Garden Furniture.
Jacksowee Stone Flagging
Page Fence.
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Gardening Miscellancous
Brooks Sprinklers.
Double Rotary Sprinkler
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Mettowee Stone. ........... \& Stepping
Olde Stonesfield Flagging \& Stones.
Solvay Calcium Chloride
Wilson's O.K. Plant Spray
Wilson's Weed Killer.

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Hall's China Teapots
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Mountind Hooked Rugs.
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Shoemaker Bengal Oriental Rugs

\section*{Furniture}

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Danersk Furniture
French Furniture.
The Furniture Shops. .
Hampton Shops Furniture
Harris Antique Furniture
Hastings Furniture
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Imper Furniture
Kensington Furniture
Khouri Objets d'Art
Kittinger Furniture.
Lloyd Furniture \& Baby Carriages

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Pooley Radio Cabinets
Pro Tex Wardrobes
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Widdicomb Furniture
Winthrop Furniture
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Fine Arts.
Lord \& Taylor Interior Decorations
Rorimer-Brooks Studios.
W. \& J. Sloane.

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Chambers Fireless Gas Range Hill Champion Clothes Dryer
Kitchen Maid Cabinets.
Lamneck Laundry Dryer
Maytag Aluminum Washer
Porce-Namel Kitchen Units
Roper Gas Ranges.
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Walker Dishwasher Super Sink
Whitehouse Kitchen Dressers
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Dolly Madison Bed Spreads.
Du Pont Tontine Window Shades
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Irish \& Scottish Linen Damask Guild Lewis \& Conger.
McGibbon Linens.
Sani-Flush
Wamsutta Percale-Shects-Pillow Cases
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Gorham................... Sterling Silver
International Silversmiths Guild
Sterling Silversm
Treasure Silver.
Treasure Silver. . . . . .
Wallace Sterling Silver.

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Lloyd Japanese Grasscloth.
Sanitas
Thomas Strahan Wall Paper
Wall Paper Mfgs.
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Black, Starr \& Frost
J. E. Caldwell, Jewellers

Marcus \& Co
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A-C Dayton Radio.
Baldwin Pianos..
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Radiola...........
Wurlitzer Pianos.
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Flo-Ra-Zo-Na
Forhan.. \(\qquad\)
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