# HOUSE \& GARDEN 

A Condé Nast Publication


NEW LOWER PRICES, now in effect, make the General Electric Refrigerator an even more outstanding value than ever. Substantial savings on all models. Newlow prices are as low as $\$ 187$ (f.o.b.). Convenient terms are available -with down payments as little as $\$ 10$. The General Electric Refrigerator requires no attention-not even oiling. The mechanism is hermetically sealed-insteel in the famous Monitor Top-out
of reach of dust and moisture. The sturdy All-Steel cabinet is lined with acid-resisting porcelain.
Never before have prices been so low for the accepted best in electric refrigeration. Select your General Electric now.

Write for a copy of our magazine "The Silent Hostess," it will be sent to you free. Each issue contains delightful recipes, household hints, health talks, entertainment ideas by noted authorities. Address, General Electric Co., Electric Refrigeration Department, Section K4, Hanna Building, 1400 Euclid Ave., Cleveland, O.

Join the G-E Circle. A special program for women every day at noon (except Saturday). On Sunday at
5:30 P. M. a program for the whole family. (Eastern Standard Time). N. B. C. coast to coast network.

## GENERAL 86) ELECTRIC

## ALL-STEEL REFRIGERATOR



## SCHUMACHER FABRICS add

 richness and color to this Chinese Chippendale scheme It is easy to account for the keen interest in Chinese Chippendale when fabrics like these are allowed to play their decorative part! The Schumacher eighteenth century damask with its fine Chinoiserie pattern which you may observe in the sketch, likewise appears in a distinguished room of the Boston Museum. The charming floral tapestry used on the side chairs is reminiscent of an Aubusson weave. And the warm, splendid tapestry panel above this mantelpiece is a reproduction of a rare antique made expressly for Schumacher. Schumacher Fabrics and the "seemingly seamless" carpet, illustrated, are sold through decorators, upholsterers and department stores. Offices at 60 West 40th St., New York. Also Boston, Chicago, Philadelphia, Grand Rapids, San Francisco, Los Angeles, Detroit.

## W. \& J. SLOANE $\bigodot_{\text {resents }}$ CELANESE TAFFETA

 In a New-Highly Decorative-Role
$\mathscr{H}$ and-decorated and plain Celanese Clairanese for draperies, and Celanese Chifonese for glass curtains, combine to create this luxurious boudoir setting, designed by the Interior Decorating Department, W. \&J. Sloane.

## CELANESE

 D.ecorative $^{\text {Jablics }}$N this hand-decorated version of Celanese Clairanese, W. \& J. Sloane introduces an interesting new decorative appeal to this luxurious fabric-a faille Taffeta weave. Small, restrained, florals, in self-toned effects, definitely suggest the graceful feminine setting typical of 18th Century elegance, and offer a charming contrast for plain walls. Celanese Fabrics have the enthusiastic endorsement of leading decorators, not
only for their outstanding beauty of texture and color, but for their very practical qualities. Pure dye-entirely free from loading-they are known for their exceptional service: they do not shrink or stretch . . . will not split or crack . . . and they dry-clean perfectly.

[^0]
## Auburn

## Repeats

Auburn's success is the result of being first with improvements-of giving a larger, stronger, finer automobile of greater value for less money. To maintain leadership in this, the industry's most competitive year, Auburn introduces a new Twelve. It accelerates faster-it runs faster and smoother-it climbs hills faster and easier-it has more Horse Power than any other Twelve-it offers advantages, including Dual-Ratio, obtainable in no other car! Those are some of the sensational claims made for Auburn's new Twelve. Claims that electrified the industry. Claims that amazed the public. Claims that have been investigated by car owners everywhere. As a result, the acceptance for Auburn today is the greatest in its history. Auburn offers a 5 -passenger 4 -door Sedan, with 133 -inch Wheelbase, 160 Horse Power 12.Cylinder motor, and many outstanding improvements including Dual-Ratio, for $\$ 1555$ less than the lowest priced competitive Twelve Sedan. The reason for Auburn's continued success is self-evident. Sedan. The reason for Auburn's

## Your upstairs bedrooms can easily be made $8^{\circ}$ to $15^{\circ}$ cooler this summer



$A^{\mathrm{F}}$FTER saving American industry over I $250,000,000$ a year through insulation, Johns-Manville has turned its experience to the heat-and-cold problems of the home owner Now your upstairs bedrooms can be cool and restful-even in sweltering weather!
What is J-M Home Insulation? "Wool" made from melted rock is blown through a hose into the empty spaces between studs and joists under the roof and between the walls-in just a few hours' time, weithout disturbance to your family or damage to your house.
The long, fine woolly fibres pack themselves into the empty spaces, forming an invisible wall 4 to 6 inches thick. A wall within your walls which successfully bars the hot rays of the sun. Rooms that once stored up the day's heat become uniformly comfortable.

Winter fuel savings average $30 \%$ In winter J-M Home Insulation keeps the
cold outside, the heat inside. Owners whose houses have been weather-protected this way report substantial fuel savings-they are paying from $20 \%$ to $35 \%$ less for fuel than before. The average is $30 \%$.
Made from rock, J-M Home Insulation is fireproof and vermin-proof. For this reason

it was chosen to protect historic Mt. Vernon and other national shrines.

## Write for free booklet

An illustrated booklet, "Now you can blow year 'round comfort into your home," will be sent you free. It tells in greater detail the remarkable story of $\mathrm{J}-\mathrm{M}$ Home Insulation and includes interesting experiences of home owners who have had it installed. Just mail the coupon.
$J$-M Home Insulation is blown into empty spaces between attic joists and between studs in side walls - without disturbance or annoyance to you

## JOHNS-MANVILLE

41st Street \& Madison Ave., N. Y. C.
I am interested in learning more about J-M Home Insulation. Please send me your free booklet.

## Johns-Manville <br> リM Home Insulation

Name $\qquad$
Street $\qquad$
City
State

## Beauty... <br> that grows with the years

Now....kitchen sinks have

## $\mathcal{M o d e r r}^{\mathcal{C}} A_{\text {peal }}$

- When you see the rich lustre of the new Mosel Metal Sinks, you will find it hard to believe that such bright beauty can be permanent. But as time goes on, you will find that Monel Metal's beauty grows . . . actually inproves with use. Time gives it the soft, glowing mellowness of fine family sterling.

While your eyes tell you that the new Monel Metal Sinks are beautiful, your pocketbook echoes that they are economical, as well. They last for a lifetime! Your experience will prove that they are chip- and crack-proof...durable as anyone could wish. They won't rust and they resist stains and corrosion. Repeated cleaning will not injure their gleaming surfaces. Monel Metal's silvery neutral tones


MOUES METAL
MODERN AS TOMORROW


The International Nickel Company, Inc., 73 Wall Street, New York, N. Y Gentlemen: Please send me booklets checked below -
$\square$ "A New Sink for the Kitchen Beautiful".
$\square$ "Nickel's Worth" - a booklet on Nickel by Floyd Gibbons
Name
$\qquad$

## "Stop Rusty Hot Water where it starts"



You can now obtain water heaters with rust-proof tanks at reasonable prices!

The ordinary water heater tank of rustable metal is a prolific rust producer. Hot water hastens the formation of rust. Every time you wait for the hot water to "run clear", you are not only delayed, but you also waste the fuel used to heat the water.

You can avoid this annoyance and expense by making sure the storage tank is made of metal that cannot rust. Copper and Bronze are rustless and highly resistant to corrosion. Many well-made Copper tanks are still sound after forty years and more of continuous service. Comparison of such service as this, with that given by tanks of rustable metal, clearly reveals the economy of heaters with rust-proof tanks.

Recently, a number of leading manufacturers of storage water heaters have adopted Everdur, an Anaconda alloy composed of $96 \%$ Copper,



Kumfort Gas Water Heater, made by The Lovekin Water Heater Co.
silicon and manganese. This Copper alloy combines the cor-rosion-resistance of Copper with the strength of steel. The ease with which it is welded makes Everdur the ideal metal for rustproof tanks of welded construction.

Water heaters with tanks of Everdur or Anaconda Copper and range boilers of these metals are now available at surprisingly moderate prices. Products of
leading manufacturers have been subjected to exhaustive tests and can be relied upon to give dependable service.
Further information can be obtained from your gas or electric company, or plumbing contractor. We will be glad to furnish you with a list of heater and tank manufacturers using Anaconda metals. Address The American Brass Co., General Offices:Waterbury,Connecticut.

## KOHLER HAS STYLED THE BATHROOM WITH MATCHED SETS ... PRICES LOWEST IN YEARS

Compare Kohler quality - compare Kohler style and beauty - and compare Kohler prices. . . . Then you'll agree there's no reason for accepting plumbing fixtures or fittings of unknown origin and dubious merit. For now you can buy Kohler quality products from your plumbing dealer at the lowest prices in years.

And now Kohler presents to you the latest development - Matched Sets plumbing fixtures purposely designed to match and harmonize. With the Metropolitan Set (illustrated), and with other similar sets, Kohler has created new beauty and new practical advantages for your comfort. The flat surfaces accommodate toilet articles without tipping or slipping. The square corners, beveled edges, recessed panels - are modern and pleasing.

If you are planning to build -if any part of your plumbing is causing trouble - if you need another bathroom, downstairs washroom or a new kitchen sink consult your plumbing dealer. You will be agreeably surprised how little it will cost to have an all-Kohler job.

When you specify all-Kohler, you make sure of better lines, smoother surfaces, softer and clearer colors. The metal fittings have fewer and heavier working parts, more accurate casting and cutting, finer finish.

The name Kohler on every piece identifies genuine Kohler products. Look for this mark on every piece before installation. It assures you of highest quality. Those who take advantage of today's prices of Kohler products are getting more value for less cost than any time in years.

Write for an interesting new Kohler booklet on modern home plumbing. Kohler Co. Founded 1873. Kohler, Wisconsin. Makers of Kohler Electric Plants.

11 POINTS OF KOHLER EXCELLENCE 1 . Kohler designs are decorative, significant, correct. 2. The enamel is smooth, hard, fused with an everlasting bond. 3. The vitreous china has a lustrous, lasting glaze. 4. Kohler colors are soft, pleasing pastels. 5. The fittings match the fixtures, in character and in quality. 6. Materials used are the finest-workmanship most careful. 7. Kohler is first with new ideas in plumbing. 8. Kohler quality extends to kitchen and laundry. 9. Kohler quality costs no more and saves money later. 10 . Kohler products are handled by qualified plumbers. 11. They are backed by an entire community-beautiful Kohler Village.


METROPOLITAN MATCHED SET
The "Westchester" lavatory, above, has a wide table-top rim, concealed overflow and anti-splash edge-features not usually found in enameled units. Another new and exclusive point is the vertical, pillar-like pedestal. . . . The "Downing" syphon-jet closet has the same modern motif and several new refinements-flat surfaces and bevels, smooth bowl without projecting edge, streamlines from front to base. . . . The "Metropolitan" bath, left, has a wide, flat rim for toilet accessories. Notice the recessed panels, parallel lines and perfectly balanced proportions. . . . Other units in this set are available, also other sets-to suit any home and every need.

[^1]Please send me your illustrated new booklet, A-4, on Modern Bathrooms.

## KOHLER

U.S.A.

## * Celotex Insulation Products

The most cheerful activity this Spring can bring is a widespread resumption of building. Costs of building materials are amazingly low-lower than for many years. This is the first great source of savings calling for action.
The second great source of savings is graphically illustrated in the picture above-the savings that Celotex, the cane fibre insulation, and its allied products make possible in construction in the city and on the farm.
Costly heat escapes through roof and walls that are not effectively insulated. Celotex retards this leakage of heat, wherher it be used as sheathing
for side walls, as a lining under roof rafters, as a plaster base, or as an interior finish. Its heat resistance cuts fuel bills as much as 20 to 30 percent.
Its use means also a smaller heating plant, reduced radiation and, of course, a much cooler interior in summer. It increases structural strength, but adds little or nothing to building costs, for it replaces other materials.
The Celotex dealer in your community is an experienced lumber or supply dealer. Consult him about these double savings before you build. He is "Insulation Headquarters", for the Celotex line includes every form of in-
sulation material required by every type of construction and every geographical location. Perhaps your problem will best be solved by the use of Celotex alone. Or it may require a combination of Celotex with Ozite Building Blanket, or Lanite Insulating Blanket, or other Celotex products. The Celotex dealer is "Insulation Headquarters". He will know. Get the facts from him, or from your architect or builder. Profit by these two great sources of savings-lower building costs and lower fuel bills.
The Celotex Company also supplies bighly efficient insulation to 28 leading manufacturers of bousshold refrigerators.


Celotex is as useful for remodeling as in new building. Often less than \$50 for Celotex will convert waste attic space into a useful extra room-reducing fuel bills and making the entire house warmer in winter and cooler in summer.

## CELOTEX <br> \section*{insulatinc cane board}

The word Celotex (Reg. U. S. Pat. Off.) is the trademark of and indicates manufacture by The Celotex Company, 919 North Michigan Avenue, Chicago, Illinois. Sales distributors throughout the world.
The Celotex line of insulating and structural material, distributed by lumber dealers throughout the world, includes: Celotex Building Board-Celotex Sheathing - Celotex Lath-Ozite Building Blanket-Lanite Insulating Blanket
-Orange Label-Blue Label and Green Label Wallboards. In Canada: Alexander Murray E Co., Ltd., Montreal.


## Chrysler's Finest Motor Cars

Take the Wheel. . . enjoy the most unforgettable ride you've ever had

The new Chrysler Imperial Eights are everything the word "Imperial" signifies . . . as the dictionary says, "fit for an emperor; magnificent; imposing; superior in size or quality."
Styled, appointed and engineered for those who want the finest-and only the finest motor cars-these new Imperials have a "luxury" of performance heretofore unknown in any motor car at any price.
In these cars you get the last word in up-to-date engineering. We promise you a new sensation. We promise you the easiest, silkiest, quietest ride to be had on wheels.
Floating Power engine suspension works a seeming miracle in performance. Creates an altogether
new feeling in motoring. Wipes out power tremor completely at all car speeds. Eliminates all sense or suggestion of engine effort.
Even if you have a chauffeur, you'll want to do most of the driving. For these cars have an Automatic Clutch that is absolutely automatic. They have the latest and finest in Free Wheeling. They have a new Silent Gear Selector-enabling an instant, silent change to a higher or a lower gear at any car speed with no more effort than moving a lead pencil.

They haveOiliteSqueak-Proof Springs-patented springs that never need lubrication, and never squeak. And Chrysler's world-famous Hy draulic Brakes for quick, positive, cushioned stopping-with new Centrifuse brake drums of steel with a lining of cast iron fused perma-

nently to the steel. Resulting in cooler brakes. Safer brakes. Longer-lasting brakes.
The new Chrysler Imperial Eight with 125horsepower engine may be had in two chassis sizes-a 135 -inch wheelbase, carrying Chrysler's All-Steel Bodies, and a 146 -inch wheelbase, carrying custom bodies by Chrysler and Le Baron.

A new Chrysler Imperial Custom Eight, six body models, $\$ 2895$ to $\$ 3595$; a new Chrysler Imperial Eight, three body models, \$1925 to \$2195; a new Chrysler Eight, five body models, $\$ 1435$ to $\$ 1695$; a new Chrysler Six, five body models, $\$ 885$ to $\$ 935$ (Automatic Clutch and Oilite Squeak-Proof Springs on all Sixes at slight extra cost). F. O. B. Factory. Duplate Safety Plate Glass standard on Custom Eights. Obtainable on Six and Eight Sedans, \$17.50; on Imperial Sedans, $\$ 20$; all 2 -passenger Coupes, $\$ 9.50$.


## WALLS of Richness and Beauty



RICHNESS combined with simplicity gives delightful charm $\mathrm{R}_{\text {to th }}$ this French Provincial living room. Here is a friendly, livable room - with carpet and furniture, draperies and wall coverings in perfect harmony. And in this quaint Wall-Tex Toile de Jour pattern you find a richness of fabric texture that makes the room more lovely and beautiful. When light plays on the textured surfaces, here indeed is subtle charm.
For rooms of every style - for every room in the home - there is a wide variety of Wall-Tex patterns. Plain pastel colors if you prefer. Or distinctive patterns in color combinations of ingescribable beauty - created under the supervision of Virginia Hamill, internationally known designer.

Wall-Tex, the modern wall covering, retains its original beauty for years. It is easily cleaned with a damp cloth -or mild soap and water may be used without harm. The fabric backing also has distinct advantages. It strengthens the walls, helps to prevent plaster cracks, and conceals them if they should occur. Moreover, after years of service, it provides an excellent foundation for redecorating.
If you are going to build or redecorate, canvas your walls with these beautiful fabric coverings. The enduring beauty of Wall-Tex means true economy - and Wall-Tex prices are lower than ever before. Ask your decorator or dealer to show you the newest Wall-Tex patterns - or mail the coupon for samples and illustrated booklet on interior decoration: "More Charm in the Home."

WALL-TEX fabric weal coverings of enduring beauty
 Pattern 3224A.

# Make your Yard your Own 



# with this Fence of Enevuna raxe 

TO help you protect your children, your garden, and your privacy, we have designed a number of simple, beautiful fences that can be built at reasonable cost with Shevlin Pine.

In the folder, "Fences of Shevlin Pine," you will find photographs and detail drawings of these dignified, enduring fences together with a list of material estimated for each one hundred lineal feet. If you will mail the coupon we will send you a copy.

These charming fences of pine are neighborly and considerate. They enclose your property strongly yet no neighbor will object to them. In fact, these quaint fences add beauty and charm to your home and to the neighborhood.

Instead of being a separate alien feature
such as metal or rough saplings they form an artistic, harmonious frame for your residence while marking your property in a friendly, well-bred way. Leading architects and landscape designers recommend the well-designed fence of pine.

Shevlin Pine is produced by an organization which has specialized in pine for more than forty years. The lumber for the fences illustrated in our folder can be obtained from any retail lumber dealer who carries Shevlin Pine. Ask him about Shevlin Pine Knotty Finish and Shevlin Pine Log Siding also.


#### Abstract

Measured drawing of this living-room in Shevlin Pine Knotty Finish with list of materials for estimating will be sent you for 10c. Do you know that walls of Shevlin Pine Knotty Finish are not only beautiful in the long run? Just use the coupon and send for this Plan.




You can build a fence of Shevlin Pine in a style to blend with the architectural scheme of your home. Among the designs in our folder are:

CAPE COD: A simple, low picket fence with square posts similar to the fence illustrated.
CALIFORNIA: A lattice garden fence protecting flowers and vines and assuring privacy.
LONG ISLAND: A dignified post and rail fence for the suburban yard or country home.

- SEND for this folder

Shevlin Pine Sales Company,
Executive Offices Dept. 924
900 First National-Soo Line Building, Minneapolis, Minnesota.
Please send without charge folder, "Shevlin Pine Fences" $\square$ We are planning to fence: (State nature of enclosure).

## Location:

Size
Enclosed find 10 c . Please send Plan of Knotty Pine Living.
room
Name:
Address:
City: $\qquad$
State:
(Mail this coupon to our executive offices or to your nearest branch office)


SCREENS THAT RUST . . . require frequent painting.


UGLY PATCHING . . . further adds to your expense.


AND FRAMES . . . must be rescreened every few years.

# Why Spend Money on Screens Year after Year... 

... when Screens of Anaconda Bronze Wire cost only 50 cents more

I
TF your home has rustable screens, you 1 know all about the annoyance and expense that rust causes. This spring, why not do away with painting and patching, by rescreening with Bronze cloth?

Bronze screens cannot rust. They withstand weather and wear. With ordinary abuse, they remain taut and firm, new-like for years. And they are not expensive. Bronze screen cloth retails for about 50 cents more per window than rustable screening.... and lasts many times longer. Isn't this extra cost a trifling amount to pay for freedom from rust . . . for lasting screens.

Leading weavers of screen cloth use Anaconda Bronze Wire which, woven 16

## The Utmost In Screen Value

When your screen frames are also of Bronze, you have obtained the utmost in screenvalue. Bronzeframesneverrequire painting...never rot or warp... and, of course, never rust. Moderate in price now, their first cost is their only cost. Bronze screen frames fitted with Bronze screen cloth provide lifetime service.
meshes to the inch, weighs not less than 15 lbs . per 100 square feet. Such cloth meets all requirements of most communities.

Other Uses for Durable Metals Other Anaconda metals provide economy
and comfort throughout the home. Water pipes of Anaconda Brass, forever immune to rust, cost for the average home only about $\$ 60$ more than pipe that merely "resists" rust for a limited time only.

Gutters, rainpipes and roof flashings of Anaconda Copper give extra years of expense-free service. Solid Brass and Bronze hardware retains its rich beauty indefinitely. And well-made water storage tanks of Copper or Everdur (strengthened Copper) stop rust at a troublesome source.

For a copy of ourbooklet, "Copper, Brass and Bronze in the Home," address The American Brass Co., Waterbury, Conn.

## "A development which gives the Architect

 an opportunity to effect new quality and character in roofs . ."Julus crecory
## folin alegry



Ayear or two ago, if you had been planning to purchase a new roof, you or your architect would have been handicapped by the limited choice. Especially if your requirements were for a fireproof, everlasting roof which would be in harmony with, say, an English or Early American type of house.

Today it is possible for you to select from among Salem Roofs one which harmoniously combines modern fireproof and everlasting qualities with traditional design.
Salem Shingles are deep-textured, authentic in design, full of the character of roofs weathered by time. The soft New England grays and greens are especially suitable for the Early American house; the warm reds and browns for houses of other periods. Made of asbestos fibres and Portland cement, Salem Shingles protect your home from the dangers of fire, and effectively resist the wear and tear of years.
Your architect will assist in selecting the Salem Roof for your home-or write to Architectural Service, Johns-Manville, Madison Avenue, at 4 ist Street, N. Y. C.

## at left

Drawing of house showing use of Salem Shingles Yulius Gregory, Architect

## JohnsManville



Roofs

## DIRECTORY

the clearest of fine crystal wears bands of gay but cleverly harmonized enamel
colors; greens, orange, yellow, mauve, all tones used in combination, cordials 7.00 doz. bottle 3.00 each.
pitt petri, importer

378 delaware ave. buffalo, n. y.
waldorf-antoria hotel, new york city




- These lovely crystal vases, copies of old Georgian glassware, would be effective complements to an airy scheme of decoration for summer. In sunlight, each facet in the cutglass sides sparkles like a miniature sun. These vases are 7 inches tall and 6 inches in diameter, and are priced at $\$ 5$ a pair. Separately, $\$ 2.50$ each. A smaller size is also available that is 5 inches tall and costs $\$ 1.25$ each. Madolin Mapelsden, 825 Lexington Ave., N. Y

- Brer Rabbit and Mrs. Rabbit desire to secure an attractive summer home for themselves and their family. While they have expressed no preference regarding the architectural style of the house, it is essential that there be a spacious garden where little Miss Rabbitt and Master Rabbit may take their airing. These bunnies, of composition stone, are residing at present at the Erkins Studio, 255 Lexington Ave., N. Y. $\$ 4.50, \$ 4, \$ 2, \$ 1$.

- The intriguing title of the stiff little wooden flower at the right is "tea-spike." Spiked into the lawn beside an out-of-doors easy chair it holds an individual iced drink or tea cup. $\$ 2$ each; sets of six. Stems and leaves are bright green; different colors decorate each flat-topped blossom. 18 inches tall. Janet Hurter, 128 E. 10th St., N. Y. Chair in the background, of natural rattan, from the Grand Central Wicker Shop, 217 E. 42nd St., N. Y. $\$ 32.50$.
- Bottles of milky white, opaque glass with spired tops like tiny minarets in an Arabian Nights tale are delightful accessories for a dressing table skirted with white organdy. Bottles and powder jar, \$2 each. Margery Sill Wickware, 38 E. 57 th St., N. Y. Use the small mirror, framed in maple, on a chest of drawers or dressing table. A drawer keeps cosmetics in order. Glass, 12 x 16 inches. $\$ 13$. Smith-Campbell Co., 91 Bank St., Newark, N. J.

- In the bare and homely rooms of the early American settlers the hooked rug with its warm colors and fanciful designs was a saving grace. Today, relief from drabness and lack of color can be found in this same floor covering. The rug, of which a portion is shown, is a copy of an old flower design in lavender, mustard, deep red and purple on beige. Mercerized cotton and wool mixture. $\$ 11.90$. Laura Copenhaver, Rosemont, Marion, Va.

- Who wouldn't be enthusiastic about gardening when it gives one an opportunity to don a swanky pair of gloves like these? The red calico cuffs trimmed with yellow bows give them a frivolous appearance that belies the workmanlike character of the washable, white leather hands. These and the pair of red-handled scissors come in the little straw envelope decorated with a red flower, $\$ 1.75$. Lewis \& Conger, 45 th St. and 6th Ave., N. Y.


CHILDREN'S FURNITURE


Children's rooms completely decorated in Colonial, Peasant, Modern and other styles.

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CHILDHOOD.INC.
32EAST 65TH STREET


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is written by people born and bred in the traditions of which they write. It tells not only the outward rules of behaviour but also the underlying reasons that prompt them. It catches in its 571 pages the spirit of graciousness that actuates every courteous act. Send for this book today. $\$ 4.00$, postpaid.

The Condé Nast Publications. Inc.

1930 Graybar Building Lexington at 43 rd New York City

## DIRECTORY



## GALLOWAY POTTERY <br> Enduring as well as beautiful,

 Galloway High -fired Terra Cotta brings new interest to the Garden, Sun Room or Interior Send 10 c for illustrated brochure. 3218 Walnut Street, PhiladelphiaVogue's Book of Smart Service

For the hostess who wishes to have her table set in a beautifully arranged design...for the mistress who expects the finest work from her servants . . . for the charming lady who requires distinction in every detail of her serviceVogue has published

Vogue's
Book of Smart Service
\$1 Postpaid
Greenwich, Connecticut
 We also supply wrought iron, cabinet and building hardware
as well as fireplace fittings in as well as fireplace fittings in
special and traditional designs.

## DISTINCTION

WITH eagle perched regally on a graceful urn, this side light symbolizes the spirit and traditions of the Federal period. Designed and made by Sack craftsmen in solid pewter and in silver or old gold finish.
In addition to reproduction and classic pieces we create lighting fix tares to fulfil any special decorative needs. Your decorator will be pleased to show Sack fixtures in your own home.

- At the right, nine little black and white china birds are preparing to welcome Spring with songs and dancing. While members of the chorus find their places overhead, those below form a ring and await their music. These feathered men-ry-makers would be a gay theme for a Spring luncheon or child's party table. Circle group, $53 / 4$ inch dimeter, \$6; group of two, \$3 single bird, $\$ 1.50$. Rena Rosenthal, 520 Madison Avenue, New York

- Like so many of the newest and smartest accessories, this wastebasket is black and white. An interesting and unusual combination of materials gives it additional dis-tinction-white oilcloth top and black leather for the base. Three slender bands of gold are accents on the black. Black paper, watered to give the effect of shirred taffeta, is the lining. Equally effective in a Modern or Neo-Classic setting. \$15. Futura, 136 E. 57 th St., N. Y.



Many other fixtures, lamps
and lanterns and lantern
are shown in are shown in
our brochure
"Home Light ing through the Years." Sent on request. Fact 85 Charles St., Boston

572 Madison Ave., New York
/
sack
Y


- The modern desk set illustrated at the left is thrice virtuous-smart appearance, smallness and efficiency combine to please the penman Within its small area are contained a blotter, penholder, compartment for stamps and, in the bottom, a shallow drawer. Those with a fondness for leather things will be completely taken in by the trim, brown and green covering of calfskin and morocco. Price, \$30. From Pola Hoffman, 340 E. 57 th St., N. Y.

- This new compote dish is so simple in design that it depends entirely for its effect upon its delicate proportions and the cool, gleaming beauty of the chromium of which it is made. Fruit arranged upon its two shell-thin, shallow plates immediately acquires a fresh, modern outlook upon life. Upper tray, $73 / 4$ inch diameter; lower, $115 / 8$ inch. Height, over-all, $43 / 4$ inches. The price is $\$ 16.50$. From Wm. H. Berri, Inc., 500 Lexington Ave., N. Y.


GARDEN FURNITURE Pompeian Stone, Terra Cotta, Marble, Bronze, Lead Galloway Terra Cotta on Display An illustrated catalogue sent for 100 THE ERKINS STUDIOS 253 Lexington Avenue at 35th Stree New York City

## sTUDY INTERIOR DECORATION AT HOME SIX WEEKS PRACTICAL TRAINING COURSE

Authoritative training in selecting and assembling period and modern furniture, color schemes, draperies, lamp shades, wall treatments, etc Faculty of leading decorators. Personal assistance throughout. Cuttural or Professional Courses.

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NEW YORK SCHOOL OF INTERIOR DECORATION 578 Madison Avenue, New York City
 See them at your Decorator's or Dealer's

## THE SCHOOLS OF HOUSE

 GIRLS' SCHOOLS MISS BEARD'S SCHOOL Recommended for College Preparation by the Lead-ing Colleges for Women. Separate classes and expert guidance for college preparatory students.
Broad. well balanced educational program for girls not going to college. Courses in Fine and Ap plied Arts, Music, Drama and Household Arts.
Clty ani country advantazes, (iround equipment City and country advantages, Ground equipmen
for all sports, Address: Miss Luice C. Beard, Headmistress, Orange. N. J. ST. JOHN BAPTIST $\begin{gathered}\text { School } \\ \text { For } \\ 6 i r l s\end{gathered}$ Thider the curre oftry Boarding School (Episcopal Church). College Preparatory, Music. At and General Courses. For Catalog Address
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mate tuition you expect to pay. HOUSE \& GARDEN'S SCHOOL BUREAU, 1930 Graybar Building, Lexington at 43 rd ,

Reader Questions and Our Answers

Q. Our daughter, age fifteen, wants to drop her high school course to devote herself to art. for which her talent is unquestionable? What would you advise?
A. The general educational background should never be sacrificed. Your daughter will stand a much better chance of becoming a fully developed, happy woman, as well as a successful artist, if she finishes her high school training. She should find lots of time outside of school hours to pursue her art. If she leaves school now she will regret the step when it is too late.
Q. How shall I go about selecting a preparatory school for my son? There seem to be so many types.
A. There are three main types of preparatory schools for boys. One type, the church school, is usually small in enrollment, conservative in its views and strict in its discipline. Another type, usually not a church school, generally has a large enrollment and gives the boy the responsibility for his actions a part of the time. Still a third type of school aims at striking the medium between the other two. With your own knowledge of your family tradition and your son's temperament, you should be the best judge of the type to select. However, we are mailing you a copy of Vogue's "Book of Private Schools" and Vogue's "Choosing the Private School" both of which you will find helpful.

The questions reviewed here are always typical of groups of questions. Many questions connected with the private school education of boys or girls are answered by the literature of the fine schools advertised here. We suggest that you write to the schools first. The mere fact that they advertise here is your assurance that they are fine schools of their respective types. But House \& Garden is glad to help a reader whose case needs special attention, without obligation, at any time. Address: House \& Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd, New York.


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## Looking Forward with Junior

"Of course, father, I know why mother doesn't want Junior to go away to school. He's the last of us, now that I'm working here and sister is married. But she'd pack him on the next Pullman, if she could look five years ahead and see what she's doing to him by keeping him hanging around home, with only a high school to go to, and second rate fellows to spend the evenings with. Lots of it was my own fault, but I often think I would never have flunked out of college myself if I had had a regular prep school. I don't mean just the studies, though that's a lot. Most of all, I mean the habit of discipline and study, and the self-reliance and democracy of private school life."

This letter is from life. We hope a certain mother reads it . . . and many others. Ask some of the boys' schools listed in these columns for information. Or, in case your problem is a special one, address: House \& Garden's School Bureau, 1930 Graybar Building, Lexington at 43rd, New York.

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Have you ever had the feeling that the unusual and distinctive wedding present or bridge prize or graduation gift was just behind your left ear, and, worse luck, likely to stay there? The Shoppers' \& Buyers' Guide of House \& Garden is a little Blue Book of select shops and services. Consult it when you are looking for the smartly exceptional. You will find that it saves time, money and trouble and at the same time enables you to say: "Therethat's just what I wanted."


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## TRADE LITERATURE REVIEWS

BUILDING MATERIALS
House Building Materials

1. Copper, Brass and Bronze in the Home. This book emphasizes the impor-
tance of building for permanence with coptance of building for permanence with cop-
per, brass and bronze. The American Brass Co., Waterbury, Conn.
2. Flexwoon. Folders describe this wood which is made as pliable as canvas. Illustrations show interiors finished in Flextrations. Samples are enclosed. The Fiexwood Co., 4413 West Division St., Chicago, Illinots.
3. Plans. This company offers free of charge floor plans and elevations, together with the cost of constructing a living room paneled in Shevlin Pine. A plan, a list of building material, and cost of erecting a log cabin are sold for ten cents. Shevilin Pine
Salus Co.. 900 First National-Soo Line Sales Co.. 900 First Mation

## Heating \& Air Conditioning

4. The Bryant Dualator. A folder de scribing an air conditioning unit, which is adaptable either to straight air conditioning or a combination of air conditioning and radiator heating. A sectional view of the Dualator is shown. The Bryant Heater \& Mfg. Co., 17826 St. Clair Ave., Cleveland, Ohio.

House Building, Misc.
5. Hopason Houses. Catalog G2 illustrates charming portable houses. All of which are built to harmonize with the landscape.
E. F. Hodison Co.. 1108 Commonwentir E. F. Hodason Co... 1108
Avenue, Boston, Mass.

## Water System

6. Water in Abundance. A catalog describing and illustrating the various water systems manufactured by this company. Types suitable for homes, farms and country estates. The F. E. Myers \& Bros Co., 105 Orange St., Asmland, Ohio.

GARDENING

## Fences

7. The Border Patrol. Several illustrations of Page fences appear in this booklet. Both the chain link and wrought iron types are shown. Page Fence Association, 520 N. Michigan Avenue, Chicago, Ill.

## Lawn Mowers

8. Coldwell Lawn Mowers. A booklet illustrating the many types of lawn mowers made by this company, suitable for difterent requirements. Coldwell Lawn Mower Co., Newburgh, N. y.

Seeds, Bulbs \& Nursery Stock
9. Roses. A group of new American and foreign Roses is introduced in the 1932 edition of this valuable booklet. Full page color illustrations show the beauty of the flowers. Bobbink \& Atkins, Rutherford, New Jersey.
10. Bristol Nurseries. A wide selection of perennials is offered and lovely color illustrations show new hardy Chrysanthemums. The Bristol Nurseries, Inc., Bristol, Conn.
11. Burpee's Annual Garden Book 1932. This year's catalog lists a wide selection of vegetable and flower seeds. Several of the illustrations are in color. W. Atlee
Burpee Co., 121 Burpee Bldc., Philadelphia, Pa.
12. Star Guide to Good Roses. A booklet listıng almost 200 varieties accompanied by several color illustrations. A num-
her of novelties are introduced. CosakDPyle Co., West Grove 322, PA.

EACH month there will be briefly reviewed here a number of the new brochures, pamphlets and catalogs which have been issued by House \& Garden's advertisers. Address the concerns direct for this literature or indicate by number on the coupon below the material in which you are interested . . . mail it to House \& Garden's Reader Service Bureau, Greenwich, Connecticut, and we will have these booklets sent to you at once. Where a nominal payment is mentioned please enclose your remittance in stamps.
13. Dreer's Garden Book. This long in dispensable manual for gardeners feature a number of worthy new plants in its 1932 dition. Supporting these is a wide range of dependable flowers, vegetables, shrubs, vines and aquatics. Henry A. Dreer Dept. K.. 1306 Spring Garden Street Philadelphia, Pa.
14. Glen Brothers Nurserx, 1932. Ex ellent color illustrations in this catalog show the beauty of the flowers, fruit, fo lage and trees supplied by this nursery glen Brothrrs, Inc., 1763 Maln Street, Rochester, N. Y.
15. Everything por the Gardin. Con tains a wide selection of vegetable and fower sceds. Several color illustrations, A 25 c rebate slip is sent with the catalog Peter Henderson \& Co., 35 Cortlandt
16. Hill's Evergreens. Illustrations in color and information on Evergreen group. ing and planting. Costs 25 c , refunded with first order. D. Hill Nursery Co., Box 301, Dundee, Ill.
17. Johnson Water Gardens. The offerings of plant material and fish, are varied and chosen to meet the requirements of everyone interested in this sort of garden ing. Johnson Water Gardens, Box H2, Hynes, Calif.
18. Kunderd Gladiolus Book, 1932. An attractive catalog describing and illustrat ing a number of Gladioli. The "collections" belp in ordering. A. E. Kunderd, 300 Lincoln Way West, Gosien, Ind.
19. Fine Orchids. An extensive, priced ist of choice Orchid plants for amateur and expert, many of them new varieties and hybrids. All guaranteed to description. Orchidwood, Inc., 830 Pelhamdale Ave. New Rochelle, N. Y.
20. A Book for Garden Lovers. The 1932 edition of this book contains several at tractive novelties. There are effective color illustrations. Price 35 c , deducted from the first order for $\$ 3.00$. Max Schling Sredsmen, Inc., Madison Ave. at 59 th Street, Mew York City.
21. Sutton's Amateur's Guide. The position of English horticulturists is strengthened by this catalog of one of England's greatest plant seed organizations. A 35 c charge. Sutton \& Sons, Ltd., Depart ment C, Reading, Eng.
22. Growing Orchids in Your Home. A description of the moderately priced, ardescription of the moderately priced, ar-
tistic "Little Orchid House" that provides tistic "Little Orchid House" that provides
the proper atmospheric conditions for the proper atmospheric conditions for
growing orchids indoors or on the porch. growing orchids indoors or on the porch.
Thomas Young Nurseries, Inc., Bound Thomas You
Brook, N. J.
23. Water Lilies. Descriptions and colored illustrations of Lilies, aquatic plants ared fancy fish for your water garden. Wm. Tricker, Inc., 2207 Brookside Ave, Tricker, Inc., 2207 Brookside Ave.,
Saddle River, N. J.

Insecticides
24. Insects and Their Control. A concise account of various insects likely to infest gardens, shrubs and trees, and how to control them. The price is $\$ 2.50$. A
drew Wilson, H2, Springrield, N. J.

HOUSE FURNISHINGS

## China \& Glassware

25. Wedgwood. An interesting booklet discussing Queensware, Bone China and lasper pottery. Josiah Wedgwood \& Sons,
Inc., 160 Fifth Avenue, N. Y. C.
26. The Glass of Fashion. Beautiful color illustrations in this booklet show table settings for all meals, using Fostoria glass ware throughout. Fostoria Gilass Co.,
Dept. HG 3, Moundsville, West Va.

## Floor Coverings

27. Home Decorator's Idea Book. Visualizes for you color schemes suitable for practically every room in the house. In each case the floor is covered with Arm strong linoleum. Price 10 c . Armstrong Cork Co., Floor Div., 950 Mulberry St., Lancaster, PA.

## Furniture

28. Children's Furniture. A portfolio of loose-leaf sheets describing and illustrat ing several pleces of children's furniture Childhood, Inc., 32 E. 65 th Street New York City.
29. Charlotte Furniture, Illustrations of reproductions of Early American pieces also English, French, Italian Provincial and Biedermeier. A brief history of each period is given. Price 10c. Charlotte Furniture Co., Charlotte, Mich.
30. Colonial Furniture. A wide selec. tion of reproductions of Early American Colonial bedroom furniture in mahogany, maple, walnut, cherry, and American gumwood. Price 15c. Wheeler-Okell Co. Fatherland Street, Nashyhle, Tenn

## Wallpaper

31. Decorative Suggestions. Beautifully colored illustrations show Birge wall papers as the background for several dec orative schemes. M. H. Birge \& Sons Co., Buffalo, New York.

MISCELLANEOUS

## Auction Sales

32. Amertcan-Anderson News. Announcing forthcoming auction sales and exhibi tions of furniture, works of art, books, etc A typical illustrated catalog of a specific sale will be sent on request. American Art Association-Anderson Galleries, Inc. 30 E. 57 th St., N. Y. C.

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## Beauty Culture

33. Facial Beauty Culture. A booklet containing helpful beauty instructions of interest to young and old. Kathryn MurChicago, Ill..

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34. My Three Nicrst Parties. The menus and programs of entertainment for three amusing parties are given in a folder. This concern offers to assist you in planning partics. Wis.

## SCHOOLS

35. Choosing the Private School. Any of the 331 schools recommended in this booklet will send descriptive literature on request. Specific advice on individual problems can be obtained by writing this bureau. House \& Garden's School and
Camp Bureau, 1930 Graybar Bldg., N. Y.C.
36. Success in Landscape Gardening. A catalog describing the method of teaching landscape architecture through correspondence. Scveral testimonial letters are reproduced. Amprican Landscape School,
8 Plymouth Bldg., Des Mornes, Iowa.
37. N. Y. School of Interior DecoraTron. A general catalog of the courses given by this school. A home study course is offered for those who cannot come to
New York. New York School of InNew York. New York School of In-
terior Decoration, 578 Madison Avenue, New York City.

## TRAVEL

38. Southern California through the Camera. The beautiful photographs in this booklet depict typical scenes of Southern California. Postage 4c. All Year Club of Southern Calif., Ltd., F3. 1151 S. Broadway, Los Angeles, California.
39. Africa. An attractive booklet on South Africa contains photographs of its natural beauties and native scenes. General information and suggested itineraries are given. American Express Company, 65 Broadway, New York City.
40. Intourist. General booklet M2 describes the tours and the places of unusual interest to see in Soviet Russia. Intourist, Inc., 261 Fifth Ave., N. Y. C.
41. Mediterranean and West Indies Cruises. Booklets describing the many cruises of long and short duration by famous transatlantic liners of the International Mereantile Marine. International Mercantile Marine, 1 Broadway, New York City.
42. France. Brochure illustrating and describing the important and picturesque French cities, that can be visited through the medium of the Railways of France. International. Wagons-Lits, 701 Fifth Avenue, New York City,
43. Matson-Lassco Line. Descriptive literature on tours to Hawaii, Australia and New Zealand on the ships of this line. Matson-Lassco Line, 535 Fifth Avenue, New York City
44. N.Y.K. Mail. Discusses various tours to the Orient, around the world and through the Pacific. Information is given on the various ports of call. Nippon Yusen Karsha, Dept. 6, 25 Broadway, N. Y. C.
45. Death Valley. An illustrated catalog showing the natural beauties of Death Valley where one can either enjoy a quiet rest mins, Room 178, Union Pacific System, Omaha, Nebr.
46. Caribbean and West Tndies Crutses, Literature describing the Gireat White Fleet and its cruises. United Fruit Co., Pifr 3, North River, New York City.
47. Gardens To See In Travels Abroad. Includes lists of gardens in France, England. Holland, Belgium and Spain that you should see on your trip to Europe. This booklet will be sent free of charge ivaton Ayevere Y Y C

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## READER QUESTIONS AND OUR ANSWERS

(CONTINUED FROM PAGE 20)
somewhat toward the nose.
Some people are of the opinion that Siamese kittens are difficult to rear successfully. But experienced breeders have proved quite clearly that if the kittens are allowed full liberty for exercise they reach maturity with complete development. This breed is further characterized by smartness, activity and amusing ways. Most of the Siamese will train to lead.
The long-haired breeds of cats were at one time distinguished as Persians and Angoras. Today they are all called Persians.
The glory of the Persian is its coat, which is long, silky and further prolonged into a ruff or frill. The eyes are large and full, varying in color with that of the coat, and set wide apart. The ears are small, tufted, carried fairly well forward and not too close together. The nose should be short -almost "snub," in fact. The forelegs short, with strong bone, and the feet compact.
The Persian's colors are black, bluc, brown tabbies, creams and fawns, orange, silvers, chinchillas, shaded silvers, silver tabbies, smokes, tortoise-shells, whites and coon cats. Each shade and color has its adherents who claim that particular one to be the most
beautiful and therefore the most desirable. Any question about this in your mind can be decided quite easily by attending one of the numerous cat shows held throughout the country
In closing it might be interesting to note two anatomical peculiarities of the cat. One is the tongue, the upper surface of which is covered with short, horny projections directed backward, for the thorougli finishing of a bone or other food too large to be crushed by the jaws, and for cleansing and combing the coat, so to speak. The other is the cat's wonderful power of vision. The pupil of the eye has unusual power of expansion and contraction, giving its owner acuteness of vision in varying degrees of light or darkness. It seems that this contractile power is greatest in young cats and becomes less noticeable with advancing age.

- Is it customary for a female to lose a good part of her coat after whelping a litter of puppies?J. D. S.
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## MISCELLANEOUS

Readers' questions pertaining to the selection, purchase, or care of dogs will be answered without ob ligation by The Dog Mart of House \& Garden, Graybar Building, New York City. See pages 19-21.

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antiquated stagecoaches of the "Past"! Thedesign cametoStrahanfromthe home of one of the first California pioneers, through the courtesyof hisgranddaughter.


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\section*{HOUSE \& GARDEN}

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Mrs. Louise Tiffany Taylor, associated with Mrs. Seth Low in the firm of Taylor and Low, has not only charming taste in decoration but the courage to launch new ideas, the latest of which will be divulged in our next issue. She has also abundantly proved that budget rooms can be smart-a point worth noting in these careful times

\section*{Contents for April, 1932}

\section*{Decoration}

FOR SHEER GRACE A CIRCULAR STAIRWAY, Taylor \& Low . . . . 34
DECORATION THROUGH THE CAMERA'S EYE, Robert E. Locher . . 35
EXCITING CENTERPIECES ..... 38
A TABLE AT WHICH WASHINGTON MIGHT HAVE PLAYED HOST . ..... 42
the glittering jewelry of the table ..... 43
ITALO-AMERICAN ENTENTE OF POTTERY .....  44
MODERN THOUGHT IN WINDOW TREATMENTS ..... 46
WHERE DECORATORS WORK OUT THEIR IDEAS ..... 52
NEW WALL PAPER DESIGNS ..... 60
COUCHES BY DAY-BEDS BY NIGHT ..... 66
OSTRICH FEATHERS AS A DECORATIVE THEME ..... 68
Gardening
GARDENS ON PARADE, Richardson Wright ..... 40
THE LILY ARMIES MASS THEIR COLORS ..... 41
WHEN DESERT PLANTS SPRING UP FROM SEED

Mrs. Cecil Baker is the head of Thedlow, designers of a window Thedlow, designers of a window
treatment illustrated on page 47 in this issue. Working magic with this issue. Working magic with
color in her delightful schemes, she has also a decided flair for 18th has also a decided flair for 18th
Century decoration, going abroad every year collecting antiques in England and on the Continent for her lucky clients here in America


Mrs. Seth Low is the other member of Taylor and Low, designers of the distinguished entrance hall which appears on page 34 . This youthful firm was very quick to grasp the decorative value of the Biedermeier style, both ashore and afloat, doing a model residence entirely in this interesting manner, as well as Mrs. Charles A.Stone's yacht

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\section*{THE}

\section*{BULLETIN BOARD}

Last words. Our scouts come panting in with the last words on what's new in the stores and decorators' shops. The country, due to George Washington's celebration, is going hectic over red, white and blue. Papers and fabrics are dizzy with the national colors. You can positively hear the eagle scream. . . . There's a new screen made of white satin folded to represent organ pipes. . . . The demand for shaggy materials continues-shaggy rugs and shaggy curtains and upholstery fabrics, in whites, oyster and beige. . . . Decoration will probably pay off the mortgage on the old plantation this yearcotton is being used universally.

Furniture that's seling. Just to find out what furniture is selling these days, we asked some direct questions of forty-eight nationally known decorators. Their answers, boiled down into neat little tables, show that the most popular style today is 18 th Century English Georgian. The greatest increased demand is anticipated for related 18th and 19th Century styles-Biedermeier, Regency, 19th Century Italian and Victorian. There is a decided trend toward smaller and lighter scale adaptations of period designs, to use in apartments.

The buyers said. What the decorators said about popular furniture styles was confirmed by department store buyers with these additionsthat Colonial American is still high in favor, especially for bedrooms, Tudor and Jacobean for dining and breakfast rooms with Federal American and English Georgian as close runners-up. For living rooms the demand is divided between Colonial, Federal American and English styles. Walnut and mahogany are the woods most in demand, with maple and oak trying to nose in. Tapestries are the most popular furniture coverings. Plain fabrics are slightly ahead of figured. Greens and rust shades lead.
\(\mathrm{G}_{\text {astronomic gem. They have a saying in }}\) Tuscany to the effect that you should never tell the peasants how good cheese and pears are together or you'd never get any pears. This combination is a favorite with Florentine gourmets. A slice of ripe pear and a nibble of cheese! For the exact gastronomic nuance you should use either bel paese or Pecorino, the native sheep milk cheese. The latter, when about a year old, is in its perfection.

The ascendency of Junk. Had we tears to shed, they'd be spilled over the junk being offered the public these days. Our shops are filled with penny-catching doodabs and gadgets. People hitherto bought good, solid, lasting merchandise. They'd demand: "Is it well made? Will it last?" Then came the rage for style. Manufacturers began "styling" their products. Workmanship and lasting qualities were for-
gotten. Everyone asked, "Is it fashionable?" Today we can take the style for granted, but isn't it about time we looked into quality and workmanship again?

A future for suburbs. We are led to believe that when the world has finally passed through this vale of depression we shall see an increased countryward movement. Depressions settle in cities as gas settles in valleys. The suburbs will probably take on a new lease of life due to people calmly deciding that life is too short to be lived in cities.

APRIL WELCOME TO A TRAVELER
Here are the quiet fields again
Too unassuming to be grand,
Walls that were built by lonely men
Who knew the stones and loved the land;
The Willows puffing into green,
The hesitant and lovely Elm,
Acting as hostess to the scene
Which charms but does not overwhelm;
The open gate of pasture bars,
The racing of a hundred rills
Which glisten like a thread of stars
Entangled on the April hills . . .
I've looked upon magnificence
Of mountains beautiful and proud, But here's a gray, New England fence And there's a white, New England cloud!

\section*{-Martha Banning Thomas.}
\(G_{\text {Lass by }}\) streets. The observing New Yorker will find, by studying the glass in lower front doors of many of our brownstone houses, that the style of glass depends on the street. Evidently the builders of bygone times divided the city into those sections that should have glass with etched grapes and those with etched Greek temples, to say nothing of which should be white glass and which colored.

\section*{KENNEL MOTTO}

A wellbred Dog should bear in mind The foolishness of Men, but seeing How well they mean, should still be kind To every poor dumb Human Being.

\section*{-Arthur Guiterman.}

Tufted walls. Fabrics continue to claim a place on the walls and sometimes they spread themselves luxuriously. Quite by accident the other day we barged into (and fled from precipitately) a dressing room, of which the walls were tufted white satin. The dressing table was built effectively of glass.
\(G_{\text {ardens of colony and state. Justly tak- }}\) ing its place beside those two great garden histories, Lady Amherst's A History of Gardening In England and Marie Luise Gotheim's A History of Garden Art-now comes Gardens of Colony and State. This first volume is half of a monumental task undertaken by the Garden Club of America to set down the history of gardening in Early America. The work has extended over many years and now attains completion under the able editorship of Mrs. Vincent Lockwood and a capable board of assistants. The scope in this volume is the upper half of the Atlantic seaboard and the gardens of the Western Reserve and of early Michigan under the French. Standing out from the great mass of research and description is a lengthy tour-deforce by Miss Alice Brayton on the gardens of Rhode Island. Would that the entire book were written with as sprightly and entertaining a style! Not that the book is dull. It is a magnificent and comprehensive job, illustrated with such a lavish hand as to make this volume the last and only necessary word on the subject.

Albertus magnus. Garden clubs, in search of an interesting personality to discuss, might select Albertus Magnus, the mediaeval scholar, who is said to have operated the first hothouse of his time. He is soon to be made a saint, we understand, and can then join the other two patrons of gardening-St. Dorothea and St. Fiacre.

Stakers and herbs. In the first decade of the last century the Shakers, members of the United Society of Believers, were the leading factors in the business of cultivating and preparing medicinal herbs for drug stores. The physic garden at Mount Lebanon, New York, occupied 50 acres and the annual output of herbs was 8000 pounds. At the Harvard commune 10,000 pounds of medicinal herbs and roots were produced each year.

Hints on paper. There never was another man to write such letters to his wife as Richard Steele. One would think he'd had enough of writing, with his contributions to the Spectator and the Tatler. But if she was only in the next room, he'd scribble her a note and send it in by a servant. Or if he chanced to imbibe too much at a club, it would be a laconic, "Dear Prue, Sober or not, I am ever yours." All of which facts are by way of preface to wondering why some manufacturer of writing paper doesn't give us a series on great letter writers.

Dude ranch decoration. Someone has asked (spare the thought!) what kind of decoration one should have in a dude ranch house. We answer promptly and with set jaw, "None." Aboriginal furniture carved out of native logs, Indian blankets and pottery-these are enough. But it gives us (and would probably give the ranchers, too) a grim shudder to imagine what would happen if these rancher houses were invaded by what the lady from Virginia called "curtain crimpers."

Those gardening blushes. A couple of years ago there arrived in this country one of Britain's favorite horticultural writers, with the serious intention of finding out if we had any gardens here. She came, she saw-and she wrote a book, Gardens In America. Being a frank and observing person blessed with a sense of humor, this author (who is Marian Cran) has said precisely what she thought about scores of our gardens and their owners. Of course everyone is going to read the book-and most of us will be blushing a deep tomato red.

\(C_{\text {URVIES }}\) color contrast, and classic details distin-
For sheer grace a circular stairway wins

\section*{DECORATION THROUGH THE CAMERA'S EYE}

An inventor's life is not a happy one. He perfects a revolutionary device or works out a fresh use for an established product. Then along come middlemen, anchored to the past, who present the new thing in terms of the very one it was designed to supplant. This compromise-period passes in time, but, while it lasts, we find such anachronisms as the automobile with carriage lines, the skyscraper with traditional details, the linoleum floor in carpet design. Lacking the courage to stand on its own feet, the newcomer seems an apology rather than a portent.

Just this affliction befell a recent arrival in decoration's field-photography as applied to wall decoration. Instead of being actually modern, the first cautious experiments showed, in the main, a purely imitative quality. We had old prints enlarged, to rival antique scenic paper. We were advised to color them by hand, invading the domain of the mural painter. Even when we set up original compositions for the camera, these usually reflected yesterday rather than tomorrow. Instead of the stimulus of the brand new, we found merely a different way to get the same old results by photographic means.

Now comes the second phase of the camera in decoration-giving the lens its


PHOTOGRAPHIC DESIGNS ON SMOKING ACCESSORIES
head, unencumbered by tradition to begin with, and unembellished afterward. Exit the fuzziness, heaviness, muddiness and general fumbling that resulted from compromise. Enter a new clarity and delicacy, a whole new feeling for walls. Sharp, singing tones that have all the color in the world, even though black, white and an infinite series of grays make up the gamut. Exactness of line never before achieved even by the postgraduate craftsman. The speed, the very stab of light itself, crystallized for walls as modern as the buildings in which they stand.
We've discovered that simple, direct forms work out much better than those elaborate in themselves. In the shadows of these forms, cast by modern lighting and picked up by the eye of the camera, we get a new and satisfying kind of pattern. But great care must be taken in the lighting. Just because the lens is so much keener than the naked eye, our initial experiments are apt to be disappointing unless we're camera-minded to an unusual degree. An arrangement that seems entirely right from the onlooker's standpoint turns out to be too irregular, too insistent, or too dark when the print comes through. An over-emphasis on dramatic lighting can easily turn a good composition into farce comedy. The same thing is true of the colors of the objects to be photographed. Even when these are kept high in key, many deeper values are discovered on the master print than appeared to the master photographer. White against white discloses the fact that white is merely a rela-


\author{
By Robert E. Locher
}
tive term, depending for its exact meaning on texture, lighting and placing.

The illustrations in this article are from master prints by Drix Duryea, Thurman Rotan and the Whiting-Salzmann Studio and show some of the uses to which they may be put. Unlike wall paper samples, these prints are elastic. Whether they come in strips with running patterns that repeat, or in sections complete in themselves to be used as architectural details, they have no fixed dimensions, over-all or inside. The crystal objects photographed on mirrored glass and crystal shelves, shown on page 36 , make an entirely original and very decorative mural for a bath-dressing room where the end walls of the bath tub niche are papered with the motif in reversed prints to make matching pairs. The niche is then covered with plate glass and the center space between the photographs is mirrored. In this case the object that is ten inches high on shelves five feet high can grow to an object twice the size on shelves twice as high if the proportions of a room suggest a change of scale. The crystal rods and discs on gleaming white flutes suggested for murals in the small bar shown on page 37 can expand side-

> A smoking table and cigarette box decorated with appropriate photographic prints. From the Julien Levy Gallery. Suitable for curtains in a modern office is the striking pattern above, made by repeating at small scale a dramatic photograph of the News Building in New York


CRYSTAL SHELVES AS MURALS


SKYSCRAPERS ON THE FLOOR
be limited to rooms of any particular type, it seems most appropriate to those for which we have no precedent in the pastthe game room, the bar room, the bathdressing room, the foyer or elevator entrance of an apartment, the entrance or the reception room of a business man's office in a modern building.
Taking the last case and supposing our man to be a manufacturer, we might hang his walls with a photographic mural showing a continuous design composed of the various machines employed in turning out his product, the prints projected to a large scale to give full emphasis and force to the subject. Nothing is more effective than these machinery forms and nothing more effortlessly dramatic than the way their sleek and shining surfaces take the light. The floor in such a room might be inlaid in conventionalized geometric patterns related to the forms appearing on the wall. The indirect lighting should reflect from a pure white ceiling. Metal furniture should be used and color details that carry out the machinery idea in dark reds, browns and black.

Or-to take (Continued on page 82)


\footnotetext{
PHOTOGRAPHY AS ARCHITECTURE
}


NEW MURALS FOR A BAR

\(C_{\text {Rystal reds and discs, above, to be }}\) used in a running pattern as complete wall covering, or as panels placed herringbone-wise in a small bar. Glass fish tanks topped by chromium book-ends were photographed to make simplified columns for architectural details in a circular foyer. Opposite are photographs of crystal objects on glass shelves used as murals in a modern bath-dressing room, and a skyscraper photographic decoration suggested for a floor

\section*{Exciting centerpieces-}
some fresh ideas for the
hostess' table wardrobe


These five unusual arrangements for the table were selected and composed by Mrs. Parmelee McFadden of Chicago. She has taken antiques and enlivened them with gay modern touches. The graceful 18th Century Austrian pewter epergne above is set on gold mirrors and the dishes are filled with red marzipan cherries and strawberries and green cabbages. It makes a charming luncheon centerpiece

No dinner could be dull with a centerpiece of Dresden pottery with brightly colored birds surrounded by gay artificial fruits and silver leaves. Every clever hostess knows that her table decorations are as important as interesting menus and good cooking. Her table wardrobe is collected over a period of years and a place is built to keep it in. Some of the pieces are brought out only on special occasions
\(D_{\text {ainty }}\) white figures of 18 th Century Strasbourg faïence with Nymphenburg and Ming porcelain, on a silver and black mirrored plateau give this arrangement a modern twist. Collecting rare porcelains and potteries and assembling them for centerpieces has now become a hobby with smart women all over the country. In Santa Barbara recently, a group even held a competition for such settings

A delightrul center for a summer dinner table is one using a painted tin Empire basket filled with red, white and blue flowers and green leaves. Combined with the rustic figures of opaque Baccarat glass on a mirrored base, it makes a cool and informal grouping. The advantage of reserve is aptly illustrated in the arrangement of artificial Calla Lilies in the modern metal bowl

Eugene Hutchinson


\section*{Gardens on Parade}

\(\mathrm{T}_{\text {HE }}\) South evidently thought of it first. Possessed of many beautiful and historic gardens, it decided to share their beauty and ancient association with the public. The world and his wife began to hear of the famous gardens around Charleston-Magnolia Gardens and the Middleton Place and the moss-festooned trees of Oak Alley. Recently another has been added to this roster-the Cypress Gardens wherein a swamp has been turned into a dream of unbelievable spring felicity.
Those who enjoyed beauty in gardens soon made a beaten path to these gates. It's a poor garden-lover today who hasn't seen them. Life still holds much for her to enjoy.
The second parade of gardens came with the hospitality of Virginians. The Garden Club of Virginia persuaded the "Plantation Ladies" along the James River and in other parts of the state to open their gardens for public visits. A fee of fifty cents per person was charged and if the visitor craved a view of the inside of the house another fifty cents was asked. This project met with amazing success.
From the half dollars that poured in, the Garden Club was able to undertake the restoration of Kenmore, the home of Col. Fielding Lewis at Williamsburg. Mrs. Lewis was Washington's only sister. This beginning gave great impetus to that town-wide restoration that Williamsburg is now enjoying. Then its attention was turned to work at Monticello, Jefferson's home. That task well under way, it has devoted its energies to restoring Stratford, the home of Robert E. Lee. This year the week of April 25 th has been set aside for garden visitors.
For the second time the Garden Club of Lexington, Kentucky is offering a "Pilgrimage to Notable Estates of the Bluegrass". Over fifty estates, many of which have great historic interest, may be visited from May 19th to the 22nd.
Following the example of the South, garden owners in Westchester County, New York, and on Long Island have, for the past few years, opened their gardens to visitors, the money being turned over to local charities.
\(\mathrm{T}_{\text {HESE }}\) facts are set down by way of preface to a movement that House \& Garden would gladly sponsor.
In practically every section of the country, we have long since passed the frontier stage. There is scarcely a suburb or area of countryside but can now boast its gardens that are worth seeing. Some are small, some are large. Some have been professionally landscaped and many are the gardens of flower specialists who have done their own designing and directed, or themselves did, most of the work. No two of them are alike. They are as individual as the people who made them. They are filled with ideas for those who are planning gardens, or garden lovers generally who never are content with what they have and are constantly making changes and improvements.

The gardens are available. The next step is getting there.
It is becoming more and more the custom among Americans to tour the country. Whole families of Middle Westerners and Southerners migrate to New England each summer. And in other sections there is a like weaving in and out of people seeing their own country. Invariably they seek places of historic association. Any father is happy to point out to his children some building or spot that marked an event in our country's past.

For these Americans on tour there are ample directions to historic spots. Why should not other sections of the country learn from the South and Westchester County and provide gardens to see and directions for seeing them?

Let us suppose that Blankville, a suburb of splendid homes, has twelve really good gardens worth seeing. Suppose the owners could be induced, for the sake of some local charity, to open their gardens to public visitors. Suppose one day each week should be set aside for these visits.

Mr. and Mrs. Jones plan to take a tour this spring which will bring them to Blankville in April. According to directions supplied them, Blankville has two gardens open each day of the week for public visits. The Red Place, which has excellent Iris and Peonies and the Blue Place, which has a good rock garden, will be open on Tuesdays. It so happens that Tuesday is the day the Jones expect to reach Blankville. Here are gardens ready for them to see.
\(I_{\mathrm{N}}\) order to make this plan feasible, it would be necessary for local garden clubs to turn into their state officers the names, locations, nature and best season of bloom and preferred days for visitors of the gardens in their neighborhood. These facts, assembled, could be sent to the national organization, which would arrange and issue information for travelers. In this work the garden clubs could easily find support from other local organizations and would probably find national business which is devoted to motors and motoring only too glad to lend a hand.

Some garden owners may protest that they don't want the public tramping all over their garden. The experience in Virginia is that the public is better behaved than these fearsome souls suppose. They may also protest that their gardens were made for their own enjoyment, not for the gaping of every Tom, Dick and Harry. True, but most of us can stand gaping one day a week, especially if it is helping along some pet charity.

These ideas are only a sketchy notion of what could be made into a great national movement. The benefits to be derived are beyond anyone's telling. Men and women everywhere would become conscious of garden beauty, would want some of that beauty around their own homes, and their homes would be richer and happier for possessing it.
-Richardson Wright


With trumpets poised on stiffly military
stems the Lily armies mass their colors

Most famous of Bermuda's flowers, the Lilies spread great sheets of green and white across the island's fields while March still blusters in the North. This is the species known to botanists as Lilium longiflorum eximium and is identical with the Easter Lily florists force in greenhouses and sell as flowering plants in early spring


A patriotic table inspired by the Washington Centennial is set with modern Spode in the blue butterfly border which occurred on the Society of Cincinnati Lowestoft china made for President Washington. Plates with plain centers, or decorated with your coat-ofarms, and sapphire glasses, from Macy's. Damask cloth in Colonial weave tinted gray-blue to match the china, with cross-stitch letter in darker blue. Mosse. French porcelain urns and basket of red fruits make a charming centerpiece. Mrs. Bruce. Adam candelabra. English Antique Shop; flat silver in the Empress pattern of International Sterling. Lord \& Taylor
\(\mathrm{R}_{\mathrm{ED} \text {, white }}\) and blue Venetian vase opposite, from Benello \& Pillori, surrounded by Early American thumb-print Heisey glass, Bloomingdale's; Edmondson Warrin striped glasses, Torlotting sapphire and crystal glass, Ovington's; balloon Dunbar design, Gimbel's. Right of blue Pairpoint bowl (Ovington's) is ruby Cappellin goblet matching ruby finger bowl; Fostoria topaz glass and Bryce goblet, Macy's. Left of bowl: red and crystal goblet, Plummer; Sloan glass, Macy's; Bryce goblet, ball stem, Plummer. Blue Corning glass finger bowl, fork, spoon, Altman's; hobnail glass liqueur set, Pavel; E. Warrin cocktail glasses, Ovington's


The glittering jewelry of the table


THE festive pottery on this page is a product of the Lenci Studios in Turin. Madame Lenci, well-known for her entrancing dolls, is blessed with humor, rare color sense and a distinctly modern point of view. The bowls above, delightful bits of color and form, would cheer up any country house interior. Revelers in vivid yellow, henna and brown costumes careen across the upper bowl, forming a handle. On the bright yellow cover of the green, yellow and blue dish is a collection of brilliant fruit. Carbone, Inc.
\(W_{\text {Hile }}\) more sedate in treatment than the bowls, these charming Lenci figurines are also conceived in a lighter vein. The group at the bottom-yellow, blue, green and pink, is as colorful as love's young dream. Benello \& Pillori. A cream, yellow, mauve and black frock is charming on the beautiful lady holding a dove. Carbone. The figure bending over a tiny bird is sheathed in cream sprigged with spring flowers. Thedlow. The top figure is brown, black, green and pink. Benello \& Pillari


Betow is a group of new vases including Rookwood in a modern abstract design of blacks, tans and deep reds; two brilliant black holders that are most attractive when used in a skyscraper flower arrangement, and the graceful curved bowl at the end of Roseville pottery which shades from soft gray to pinky beige. Altman. The graceful white vase with its decorative feather motif also comes in black, green or maize, Charles Hall


Modern thought in window treatments expressed by four clever decorators


Charming curtains for this day of elaborate windows hang on an exposed pole, with valance looped through black and gold rings. Designed by Diane Tate \& Marian Hall

Painted shutters, plants, and a bird cage are gay alternatives for curtains in the cottage window below. Closed, shutters make vivid notes against the walls. Pierre Dutel


The problem of casement windows is delightfully solved in this treatment of Venetian blinds, needlepoint valance and red and pink color scheme. Thedlow, decorators

Contrasting colors and fabrics are new notes in the window below, which has curtains hung in an effective manner. Valance is damask over horsehair. Jones \& Erwin

Turting in shades of blue on white makes the unusual curtains below. Blue mirrored trim and the decorative aquarium add immeasurably to this scheme by Jones \& Erwin



\section*{When desert plants spring up from seed}

Progressive steps in growing Cacti from seed begin on the opposite page with: 1, placing broken crock over the drainage holes in pan. 2, smoothing the soil mixture composed equally of leafmold, peat and river sand. 3, firming soil. 4, sowing after soil has soaked up water from below. 5 , pressing down fine seeds and covering the larger with a little compost before placing glass over the pan to check evaporation. 6 , six weeks after sowing; ventilate daily, water every second day. 7, first transplanting. 8 , transferring to individual pots after six months or a year. At the right, on this page, an indoor Cactus garden. Directly below is a case for young plants


\section*{A French château on a Polish estate}
\(I_{\mathrm{N} \text { irs }}\) heyday one of the gayest capitals of Europe, with charm and vivacity that combined the spirits of Paris, Vienna and St. Petersburg, Warsaw has lost much of its esprit through many vicissitudes. The smartest Polish families now live, for the most part, on large estates in the country, where life goes on in a manner that is almost extinct for our age; estates that are managed on a practically selfsupporting feudal basis.

Of the great families who still own and operate these large tracts of land, the Potoscki clan is probably the most famous. While their huge holdings of pre-war days in almost every part of Poland have been severely diminished, they are still quite extensive. An example of the degree by which such Polish property-owners have suffered from the war and its ensuing treaties is furnished by Count Roman Potoscki, whose estate on the Russian frontier has been cut from 100,000 acres down to 6,000 .

Another member of this patrician family, the Countess Joseph Potoscki, has

\(\mathbf{J}_{\text {UST }}\) after turning into the estate of Countess Joseph Potoscki, the ruin of this Greek temple comes into view. Although built at the same time as the château, it was purposely erected to be a picturesque ruin. (Right) While the country residence of the Countess is really very small in size, the scale has been so well worked out that it gives the impression of being much more spacious

\title{
This country home near Warsaw still retains the
}

\author{
spirit of the old régime - By William B. Powell
}
leased her city residence, the famous Potoscki Palace, one of the show-places of Warsaw, for the American Embassy, and here Ambassador and Mrs. Willys live. Priceless objets d'art which have been in the Potoscki family for centuries lend to the dignity of the interiors.

Since the Embassy has occupied the palace, Countess Potoscki spends most of the time at her beautiful villa just outside of Warsaw, pictures of which are shown. Although only seven miles beyond the city limits, this villa, which in tribute to its feminine grace and beauty has been named Natalie, gives the impression of being quite far out in the country-an impression heightened by the length of time it takes to reach it from the city, due to extremely poor roads that make the drive a tedious one. In the early spring days these roads are said to be practically impassable by motor car.

The approach to the villa is made along a wide driveway which winds through acre after acre of thickly wooded virgin forest. Just after leaving the entrance gates behind, the ruins of a small Greek temple, so perfect in appearance that it might well have been transplanted direct
from the Acropolis, come into view at the right. This, it is interesting to know, was built at the time the château itself was erected-toward the end of the 17 th Century. It was, however, a ruin even in its early days, in fact was purposely built as one. Even to the extent of growing moss up its steps and obscuring its sides with closely grown trees has the simulation of age been carefully carried out.

Drawing up to the entrance of the little French château it might be thought that there was a party going on. Due to the garlands of Laurel that are festooned over the façade, the residence has a most festive air. But these Laurel ropes do not signify a special occasion-they are always there, and though they would seem too fussy upon most houses, appear quite appropriate for a villa having such a bijou air. Closer inspection of this façade discovers the fact that the central, shuttered window above the doorway is not real, merely painted in place-an excusable architectural artifice that finds much precedent in both France and Italy.

The opposite face of the villa is indented with a semi-circular loggia whose richly ornamented domed ceiling is upheld by Ionic

columns of classic proportions. Looking off from here a glorious panorama unfolds to the eye. Flower-dotted lawns stretch out two hundred yards to a promontory overlooking a scene that is as romantic as the villa itself. The site of the residence is very high for Warsaw-in fact, it is the highest spot in the countryside for miles about. Directly in front is a valley such as Corot would certainly have loved to paint. In the center, a peaceful Willow-lined stream ripples its way through lush meadows where cattle graze. The dense woods at either side of the meadows have been cut through to allow sight of the narrow valley. This is the view which guests have from the loggia while the Countess Potoscki pours tea.
Though small in size, the house is a real gem of its type. Besides the owner's bedroom, a hallway and a tiny writing room, it contains only a dining room and a sitting room.

There is a separate building for the use of guests, and another for the servants. Like many another place, the villa went entirely to pieces during the Great War, having at various times been occupied by Russian and German soldiers who had little appreciation for, or consideration of, the exquisite reliefs on the walls, the carved marbles and the fine old pieces of furniture. Countess Potoscki, being a dauntless and energetic woman, has gone to work with a will and little by little she has restored Natalie well along toward its original high state of perfection.



The classicism of i8th Century design is interestingly reflected in the interiors of the Potoscki château. Cornices, niches, door casings, wall plaques, all exhibit the rather ornate but magnificently executed detail of the period. Most of the furniture and the objets dart have been in the Potoscki family for centuries
\(\mathrm{A}_{\mathrm{T}}\) the left is the entrance front of the chateau, with the Countess Joseph Potoscki, who makes it her home during most of the year, shown before it. Although damaged through its occupation by troops during the World War, this building has since been brought gradually back to its original condition by the Countess' untiring efforts

\section*{Where decorators work}
out their bright ideas


MARGERY SILL WICKWARE

The melustrations on this and the following two pages prove the fallacy of the old saw that farriers' mares and shoemakers' children go unshod-at least so far as interior decorators are concerned. For it is evident from even the most casual study of this group of five offices of prominent New York decorators that these artists fervently believe in practising what they preach. Each of the settings shown is exciting decoration, characteristic and individual in design and treatment. Yet, though differing markedly from each other, and ranging from the subtle 18th Century French schemes shown on this page to the dramatic modern interior of metal and glass opposite, all of these offices are rich in suggestions which may easily be adapted to the private house or apartment. And not the least arresting feature of these photographs is that they reveal, in surroundings of their own making, the talented originators of so many successful decorative projects.
In these very offices have originated many of the provocative ideas which it has been our privilege to present from time to time to the readers of House \& Garden, thus helping in no small degree to make present-day living infinitely more charming.


ROBERT E, LOCHER
\(M_{\text {rs, wickware used subtle, frag- }}\) ile colors in her French office. Grayblue taffeta curtains with Empire leaf border in antique white hang against walls the same cerulean shade. Chairs are in softly toned chintz and ivory damask; plum rug
\(\mathrm{I}_{\mathrm{T}}\) IS most fitting to find wall paper in Miss McClelland's office as she is largely responsible for the great interest in papers today. Louis XV panels, blue-gray and pinks on terra cotta walls, inspired the colors of curtains and Aubusson rug

IN THIS modern silver-gray, black and mirrored setting Mr. Locher develops his brilliant designs. Exciting notes are the gray, white and black floor, mirrored ceiling and white leather furniture. Accessories are of chromium metal

MR. ERWIN's office, done entirely in skin colors, has walls grained the creamy beige tones of the calf skin used to veneer the desk. Textiles are sand-colored corduroy, cream tufting and beige calf skin. The darkest note is the cork floor



Here Diane Tate and Marian Hall conceive their engaging schemes

Miss tate foreshadowed the vogue of dark walls by having the background of her office painted in deep bluc. Pink moiré curtains and old scenic paper panels stand out as brilliant notes against this interesting ground. Miss Hall plans her smart schemes in a French room adjoining, done in beige and old whites

\section*{Sane surgery to help the flowering shrubs}
\(\mathrm{T}_{\mathrm{HE}}\) cycle of the seasons once again brings sunny days, swelling buds, early flowers and the unmistakable invitation to come out into the open. This invitation may be construed in different ways. It may suggest an automobile ride, a walk through the fields or the ever-interesting spring cleanup of the home grounds. The latter phase is sure to be followed at one time or another, so a few words regarding an important part of the work involved may be helpful here and now.

Pruning of the shrubs about the ground is a subject on which there is a great deal of ignorance and consequently much lack of intelligent practice. Each spring the butchery of the flowering shrubs is repeated both by untrained gardeners and by well meaning folk who regard trimming as a great and supposedly necessary part of the spring work. In consequence of this a great deal of harm is done every year and

Temper your pruning shears with wisdom if the
patient is to benefit • By Francis Hastings Gott
the quantity of flowers which we might enjoy is greatly reduced.

It is true, of course, that some shrubs do require pruning in the spring, but they are in the minority. The greater portion of our flowering shrubs suffer each spring because of a firmly rooted but misguided theory that they, like fruit trees, should be trimmed in the spring.

The general rules governing the pruning of shrubs are so simple that ignorance of their principles cannot be condoned. By adhering to them you can improve and increase the quality and quantity of flowers produced. If you do this work yourself

\section*{A pruning chart for deciduous shrubs}
\begin{tabular}{|c|c|c|}
\hline Botanical nami & COMMON NAME & Notis \\
\hline & MARCH & \\
\hline Amorpha fruticosa & Indigobush & Cut to ground \\
\hline Berberis thunbergi & Japanese Barberry & Do not cut back \\
\hline Berberis vulgaris & Common Barberry & Do not cut back \\
\hline Buddleia in variety & Butterflybush & Cut to ground \\
\hline Hibiscus syriacus & Shrub Althea & Cut back severely \\
\hline Hydrangea in variety & Hydrangea & Cut back severely \\
\hline Ligustrum regelianum & Regel Privet & Trim sparingly \\
\hline Lonicera (fruited vars.) & Honeysuckles & Trim sparingly \\
\hline \multirow[t]{2}{*}{Rosa-Hybrid Perpetual
Rosa rugosa} & Hybrid Perpetual Rose & Prune by 15th. to \(15^{\prime \prime}\) \\
\hline & Rugosa Rose & Prune to keep in form \\
\hline Rosa rubiginosa & Sweetbrier & Remove old wood \\
\hline Spiraed Anthony Waterer & Anthony Waterer Spirea & Cut \(1 / 2\) last year's growth \\
\hline Symphoricarpos racemosus & Snowberry & Remove old wood \\
\hline Symphoricarpos vulgaris & Coralberry & Remove old wood \\
\hline \multirow[t]{2}{*}{\(V\) iburnum (fruited vars.)} & Viburnum & Leave unpruned \\
\hline & APRIL & \\
\hline \multirow[t]{2}{*}{Rosa-Hybrid Tea} & Hybrid Tea Rose & Prune before Apr. 15th. \\
\hline & suty & Leave 4 to 5 eyes \\
\hline \multirow[t]{2}{*}{Chionanthus virginica
Cornus in variety} & White Fringetree & Shorten stray shoots \\
\hline & Dogwood & Remove old wood \\
\hline Cydonia japonica & Japanese Quince & Trim to preserve form \\
\hline Deutsia in variety & Deutzia & Trim sparingly \\
\hline Exochorda grandiflora & Common Pearlbush & Trim sparingly \\
\hline Forsythia in variety & Forsythia or Goldenbell & Trim severely-1st. to 10 th. \\
\hline Kerria japonica & Kerria & Remove dead wood \\
\hline Laburnum vulgare & Goldenchain & Shorten stray shoots \\
\hline Ligustrum ibota & Ibota Privet & \\
\hline Lonicera fragrantissima & Fragrant Honeysuckle & \\
\hline Lonicera standisht & Standish Honeysuckle & \\
\hline Magnolia in varicty & Magnolia & Trim sparingly \\
\hline Malus in variety & Flowering Crab & Cut back when young \\
\hline Paeonia moutan & Tree Peony & \\
\hline Philadelphus in varety & Mockorange & Remove dead wood \\
\hline Prunus triloba & Flowering Plum & Cut budded plants severely \\
\hline Prumus persica & Flowering Peach & Cut budded plants severely \\
\hline \multirow[t]{2}{*}{Prumus padus Rhodotypos kerrioides} & European Bird Cherry & Cut budded plants severely \\
\hline & Jetbead & Remove dead wood \\
\hline \multirow[t]{2}{*}{Ribes cureum
Spiraea billiardi} & Slender Golden Currant & \\
\hline & Billiard Spirea & Remove old wood \\
\hline Spiraea prunifolia & Bridalwreath & Remove old wood \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Spiraea vanhouttes \\
Syringa vulgaris
\end{tabular}} & Vanhoutte Spirea & \\
\hline & Common Lilac & \\
\hline \multirow[t]{2}{*}{\begin{tabular}{l}
Syringa persica \\
Viburnum (flowering vars.)
\end{tabular}} & Persian Lilac & \\
\hline & Viburnum & \\
\hline Weigela in variety & Weigela or Diervilla & Trim sparingly \\
\hline \multicolumn{3}{|c|}{GENERAL RULES} \\
\hline \multicolumn{3}{|r|}{\begin{tabular}{l}
Trim early flowering shrubs just after they bloom. Trim late flowering and berrybearing shrubs in the early spring. Study the need of each shrub and trim to satisfy \\
the condition. Always try to maintain the natural shape of the shrub. Have your tools sharp. Cut cleanly. Do a thorough job. After trimming clean up brush and burn
\end{tabular}} \\
\hline
\end{tabular}
be sure that you are right and then proceed. Do not prune simply because your neighbors are doing it or because some unknown man appears at your door and tells you that your shrubs need pruning. Your neighbors may be mistaken and the wouldbe trimmer may be much more in need of a job than your shrubs are in need of his services. If you feel that something should be done at least make certain that the surgeon knows his business and is not advocating the work just to supply himself with an easy job for the pleasant days of early spring.

There are only three reasons why plants should be trimmed: first, to keep them within bounds; second, to form them into proper shape; and third, to insure plenty of flowers the following season.

The first reason could be largely eliminated if, when planting, the proper shrub were selected for the location. There should be a reason for the use of each shrub and its ultimate height and form should be carefully considered before planting it. Where the available space is limited shrubs should be used which will not grow out of bounds, in this way eliminating the yearly need of cutting back severely a robust growing shrub unsuited to the situation.
Pruning to preserve the form of a shrub, our second reason, is largely governed by the necessities of the location. Wherever a plant has room to develop, give it free scope and cut out only dead or damaged branches. The natural form of a shrub is always more beautiful than a shape in which the marks of man's alterations are evident-except, of course, in the case of dense, severely formal hedges.
This leaves only the third reason to be considered: pruning to insure flowers for the next season. In general the idea that flowering shrubs, like fruit trees, need to be trimmed every spring is wrong. The only shrubs that should be trimmed in the early spring are Roses and the late flowering shrubs-those that bloom after mid-summer-such as Althea and Hydrangea. The great majority of the flowering shrubs, however, bloom in spring or early summer, the flower buds being formed on the new wood produced during the growing season of the (Continued on page 84)


Horizontal planes to
chart the course of

\section*{Europe's modernism}

Given a free hand in the design of the Tugendhat house at Brno, Czechoslovakia, Mies van der Rohe, one of the foremost European modernists, accomplished noteworthy results. Accenting horizontal planes and the gaining of decorative effect through materials rather than applied decoration are basic factors
\(\mathrm{T}_{\mathrm{HE}}\) most striking feature of the house is the substitution of great glass panels for the usual exterior wall surface over much of the first story. These may be electrically lowered into the cellar. Thus, when desirable, a large part of the interior becomes a covered terrace, at other times a glassed-in sun room



A lthough divided into separate units, the ground floor is given an atmosphere of spaciousness by treating interior walls as partitions, in many cases not even actually closing off a room but defining only part of it. Slender steel posts rather than the walls are the supports that uphold ceiling and second story. Partitions vary in material from macassar wood to slabs of onyx or transparent or translucent glass faced by draw curtains of silk or velvet


\title{
Health hints for your favorite flowers
}
\(A_{\text {NY }}\) way you choose to look at it, there's a lot of human nature in flowers. All of them must eat, for one thing, that their food may be converted into growing tissues and lovely forms divine, even as yours and mine (?). They all drinkspirit of Carrie Nation, what habitual drinkers some of them are! Indigestion, too, often lays low not a few, and as for being ill at ease in an uncongenial en-vironment-why, they can be just too sensitive for words. It's even a fact that some of them-Pansies, for instance-actually have human faces.

But it is really in the physical field that the closest analogies lie. You can't constantly starve a child or feed him on pickles and peach ice cream without his paying you back with spindly legs and pinched face. No more can you slight your flowers' figurative oatmeal and spinach. Their requirements are quite as varied as those of any group of children imaginable —probably more so. If you, as their patron saint and protector, proceed on the principle that what is good for one horticultural goose is likewise sauce for another horticultural gander, the local garden club will probably brand you as an infidel and at its next regular meeting somebody is likely to make a motion that you be thrown out by the seat of-well, anyway, that you be thrown out as utterly unworthy of your calling.

All such facts being as they are, it seems fitting at the commencement of this our newest gardening season to set down briefly a schedule of important factors in the affairs of certain flower favorites to which life does not always accord the breaks they deserve. For obvious reasons many intimate details have been deleted and effort directed toward the production of a sort of concise Hollywood Diet crossed with What Every Young Gardener Should Know in the latitude of New York.

So, with these words by way of intro-duction-hark ye, hark ye to what and when you should do with your:

\section*{DELPHINIUMS}
february 1st.- 28 th. Sow seeds indoors or in a hotbed. If the seedlings are kept coming along they will give some bloom this year. Always use seed less than a year old.
march 1 st .- 31 st . Transplant seedlings to flats when true leaves appear.

APRIL 1 st. -15 TH . Remove mulch from outside plantings, if any was used. Cultivate and apply bone meal and pulverized sheep manure around clumps. Dust

\title{
As the plant is fed and cared for so doth its
}

\author{
bloom incline • Brief advice by Robert Lemmon
}
around plant crowns with dry Bordeaux mixture. Divide three-year-old plants as soon as growth appears. Set out new plants. Soil should be sandy loam, moderately alkaline, deep and well drained. Enrich with bone meal and old manure.

MAy 1 st . -15 TH . Begin staking when stalks are \(2^{\prime}\) high. Cultivate and keep watered in dry weather.
july 1st. -15 TH . Cut off \(1^{\prime}\) above ground those stalks which have entirely finished flowering, except those being kept to ripen seed. Top-dress again with bone meal and sheep manure. Keep well watered all summer, for second blossoming in September.
august 1st.-oct. 1st. Sow seed from your own plants as soon as ripe. Give seedlings light winter mulch or carry over winter in a coldframe.
oct. 1st.-31st. Set out new plants.
NOV. \(1 \mathrm{st} .-15 \mathrm{TH}\). Cut off all growth just above ground level. Dust soil with dry Bordeaux.

\section*{BEARDED IRIS}

MARCH \(1 \mathrm{st} .-15 \mathrm{TH}\). Clean off and remove all dead foliage. Many people burn over the planting to accomplish this and destroy germs and pests.
april 1st.- 30 TH . Sprinkle soil around clumps with mixture of four parts bone meal and six lime (by measure) and rake in lightly.
may 1st.-JUne 30th. Snip off dead flower heads. Keep weeds under control.
july 1 St.-AUG. 15 th. Divide and replant old clumps, beginning with those which blossomed earliest.
aUg. 15 TH --SEPT. 15 TH . This is the best time to make new plantings. Have the soil well drained, sunny, alkaline rather than acid, and well supplied with humus. If manure is used at all, it must be very old. Bone meal is a safer fertilizer.
nov. 1 st .- 30 TH . When the ground has frozen, mulch new plantings with dead leaves, straw or evergreen boughs.

\section*{BEARDLESS IRIS}

MARCH 1 st .- 15 TH . Burn over or otherwise clean up dead foliage, for the sake of the appearance of the beds as well as to destroy possible insect eggs or larvae.

MARCH 15 TH .-APr. 15 TH . Rake in a top-dressing of good leafmold with which tankage has been mixed. Use no lime on these Irises.

JUNE 1 ST.-AUG. 1st. Water weekly for a month before blossoming-especially the Japanese forms. Withhold water after flowering.
august 15 TH .-SEPT. 15 TH . Transplant, divide, set out newly acquired plants. Give good leaf-moldy soil, good drainage and fair amount of sun.
nov. \(1 \mathrm{st} .-30 \mathrm{TH}\). When ground freezes, mulch new plantings with dead leaves.

\section*{ONCOCYCLUS IRISES}

March 15 TH - 31 st . If grown in well-drained coldframes (the surest way), remove sash and other protection. Keep well watered until flowering is over.

July 1st. Replace sash (raised for ventilation) in order to keep off rain and insure a good baking for the rhizomes. Leave in place until late fall, then remove until really severe weather sets in. For winter, partially shade sash to prevent too much temperature change.
nov. 1St. Plant new rhizomes in the frames, in light, well drained soil.

\section*{ROSES}
march \(1 \mathrm{st} .-15 \mathrm{th}\). Prune the Hy brid Perpetuals, cutting the weakest ones most severely.

March \(15 \mathrm{th} .-31 \mathrm{st}\). Prune the Hybrid Teas and spray all bushes with Bordeaux or other good germicide.
april 1st.- 15 Th . Prune all Noisettes, regular Teas and Bourbons. Also plant dormant Roses of various types.

APRIL 15 TH .- 30 TH . Winter protection removal can be started. Take off a little at a time so as to accustom the plants gradually to the exposure. Cultivate around plants and scratch in bone meal, lime and wood ashes. Spray with Bordeaux.

MAY 1 St. -15 Th . Set out potted plants. Cultivate regularly and watch for insect pests. Spray with nicotine solution.
may 15 th .- 31 st. Disbud weak plants. Spray with good nicotine solution.

JUNE 1 st. -15 Th . Keep on watching for pests. Dis- (Continued on page 86)


Drawings by Florence K. Tomlinson

\(\mathrm{T}_{\text {HINE }}\) of flower groups outlined against a darkened window pane in the half light of dusk, and the dramatic interest of form makes itself most apparent. Striking results are obtained with a few sprays or blooms arranged in a receptacle that either has decided relation to the flower mass or sharply contrasts

1. Blue and white ships on a lilac sea -persuasive background for Early Americana. Barrie \& Desmond. 2. A new Strahan design-pink bows on a deep yellow ground. Thibaut. 3 . Panels of pinky beige embroidery on old blue have a Biedermeier flavor. Wall Paper Exchange. 4. White, silver-dotted paper decorated with pink flowers. Elsie Sloan Farley
5. Red and blue stars on a field of white for a Federal scheme or a boy's room. Wall Paper Exchange. 6. The Victorian lace curtain returns on a Birge paper. Thibaut. 7. Fruits printed in gold-leaf on pale, graygreen. Thibaut. 8. A green and pink plaid paper comes in strips for paneling and a wider, draped effect for borders. Barrie \& Desmond


\section*{Grassy open spaces}

\section*{spell garden peace}
\(\mathrm{U}_{\text {pon }}\) the presence of level, unplanted areas depends much of the repose in landscaping design; such spaces relieve the eye of effort and provide contrast. Here are three demonstrations of the principle: a path among Rhododendrons, a tree-surrounded lawn, and a little garden at the home of Nathaniel L. Miller, Ridgefield, Comn.


\section*{Karl LaRoche}


French 18th century manoir
design for Wisconsin living

The home of James R. Anderson at Kenosha, Wisconsin, has been carried out in the distinctive fashion of the late 18th Century French manoir houses. Except for a service wing which extends at the right, parallel to the street, the design is symmetrical, consisting of a central unit flanked by subordinated wings. Sand color plaster walls are supplemented with stone quoins cornices, and door and window trim. The roof is of shingle tiles in reddish black tones

To THE right is shown the strect façade. The house was placed as near the street as possible to allow maximum lawn space to be used in common with Mrs. Anderson's parents, whose home lies to the south. A rear view is given below. A flagged terrace lies between wings, at the edge of which begins a broad lawn that stretches practically unbroken to the other house Ralph Milman \& A. SS. Morphett, architects; Helen B Milman, landscape architect



Hedrich-Blessing

The exterror design was largely influenced by the owner's requirements that windows be in single units, quite tall and reach to the floor. A feature of the plan is the generous entrance hall or garden room, intended as a place for children's parties. The staircase as seen from the entry is shown on the opposite page
\(W_{\text {Hile this house is arranged }}\) to facilitate entertaining on a fairly generous scale, the more intimate phases of home life were given adequate consideration. Living room and office, which is also the library, are well lighted and their distance from the service wing is also a feature. A dining loggia is provided for summer use


\(\mathrm{T}_{\text {He }}\) summer Palace of the Korean Emperor at Scoul is situated in the center of a Lotus pool. A stone runway gives access. The building rests upon stone supports, and square, tapering columns of stone carry a second floor built of wood. Gray tiles cover a roof that is typically Chinese in form

Covered passageways such as the elaborately decorated one at the left connect the various buildings of the Chinese Summer Palace at Peiping. These walks, as well as all the buildings used by the Chinese Imperial family, are surmounted with yellow tile roofs, this color being reserved exclusively for their use

\section*{Celestial gardens}

\title{
without flowers
}

\author{
By Henry A. Phillips
}

ALL my life long, until I visited the Orient, I had been accustomed invariably to associate gardens with living flowers. Gardens existed for the sole purpose of growing and displaying flowers, just as certainly as flowers germinated from seeds. A somewhat parochial idea, I was to learn, together with many other new conceptions of things and life. The Orient does such alarming things to you.
In the Orient I soon learned that the whole of life and its living bore a pleasing analogy to a garden, each commonplace phenomenon, circumstance and object taking on something of the character, fragrance and ornamentation of flowers. Imagination was implicit, however, for the garden was largely in the mind. The garden idea and the garden principle were widely applied to life. So in time I became personally aware that where there was a garden implanted and cultivated in the mind, that mind's whole world was bound to be strewn with flowers!
Long before I went to the Far East I recall having witnessed a lovely example of this mental floriculture without seeing in it anything more than a passing theatrical flourish. In the production of that delectable Chinese dramatic morsel, The Yellow Jacket, the heroine invites the hero to climb the garden wall, which he does by standing on his horse. Once within the garden, she plucks a flower and tenderly places it within the folds of his jacket, against his breast. But-there was actually no wall, there was no horse, there was no garden, no flower. Although I find myself saying that there was none of these things upon the stage, yet they were as firmly implanted in my mind and heart as any other knowledge I possessed. What advantage was the implied stage garden after all? A flimsy "prop" garden of papiermâché walls and paper flowers would have been none-the-less a make-believe garden; furthermore it would have blunted our imaginations, for each of us in that audience had begotten his own garden-not a Chinese garden, but an English park, may-
hap, or an old-fashioned garden in the hills of New England; maybe a formal garden on the edge of an Italian lake at twilight. A garden of pure dramatic poetry in which we each had lingered at some equally enchanted hour!

China has been called the "Mother of Gardens". Certain I am that the images of gardens and flowers do not flourish as widely in any other country-flowers of thought, flowers of speech, flowers of manners. Even the ideographic symbols used in writing and printing their language are flowery in form and have a fluid poetry of meanings that permit full poetic license in translating any given word into a score of flowery interpretations, according to the garden of thoughts cultivated by the reader.

A garden, then, to the Oriental, as you may surmise, is any secluded spot in the earth, in the heavens or in the imagination where are garnered, cultivated and cherished certain "flowers", or precious sym-bols-be they stones, or bronze, or tiles, or marble, or wood, or what not. The slightest touch of the imagination transforms and transmutes these similitudes of Nature into gardens and garlands.

Meanwhile we Western Hemispherites, in our prosaic frankness, so often rudely turn our backs on the blandishments of Nature and her proffered boutonnières, on gardens and flowers and other symbols of Beauty. But that is only the crude mark of children not yet grown up to the esthetic ways of culture. When a nation begins to yield to gardens and flowers and makes them a part of (Continued on page 74)


In the flowery language of the Celestial, the structure above bears the name "Pavilion of the Sound of Rippling Waters Like Spring". It rests upon a stone bridge over a small brook in the Lin Ying Monastery at Hangchow, China. Benches with lattice-work backs that carry out the familiar swastika pattern run along each side. Roofs are gray tile

At perping, also, the Summer Palace is built in the center of a pool filled with Waterlilies and Lotus. This is one of the bridges leading to it. While the general form of the bridge might seem just another instance of the Chinese decorative instinct, the shape serves a practical pur-pose-it allows the Imperial barges to pass under the bridge without lowering sail


For a man's one-room apartment, or to provide an emergency bed in a library or study, the scheme above is offered. Head and foot are identical and provide convenient drawer space. Cushions are covered in plain material to harmonize with the window curtains


An alcove built into a living room in the manner sketched at the left contains a long sofa-bed in wait for unexpected guests. The small window behind the sofa is concealed by a colorful Venetian blind that makes an interesting background for the entire alcove. Built-in bookshelves add tothe interest of thearrangement


\title{
What's new in building and equipment
}

Metal Lath for Tile Backing. A special type of metal lath has been placed on the market as backing for an enamel tile wall. It consists of sheets of metal so punched that many short pieces in pre-arranged location project at rightangle to the plane of the sheet. These afford a grip which holds the standard size wall tile in position upon the wall.
Several advantages are pointed out for this method of securing wall tile, by the Mortenson Engineering Company, manufacturers of the metal lath. The finished wall is said to be stronger and more fire resisting, with cracking of tile finish eliminated and falling out of tiles prevented. It is seen as of particular advantage in remodeling work where the lath may be nailed directly over old plaster at a great saving of time and labor, and with the elimination of much of the dirt invariably caused by the wrecking of old plaster. Saving on labor is so great, it is claimed, that genuine tile walls may often be installed at hardly greater expense than some less desirable substitute.

Electric Heating Plant. A machine which uses low cost electricity has recently been announced for house heating. Consideration has been given to the fact that economical rates are offered to consumers whose service requirements are limited to certain periods. The heater is designed to burn electricity at such predetermined times, storing up the heat for use during busier hours of the day. A most modern heating fuel is thus brought within reach of many who could not otherwise give it serious consideration.

The electric heater, as manufactured by Hall Electric Heating Company, comprises three main parts: a thermal tank, heating units and automatic control. The tank, which is kept filled with water, is cylindrical in shape and may range in size from 600 to 1600 gallons capacity, depending upon heating requirements. Surrounding it is a rectangular enclosure of insulating board, the space between the two packed with rock-wool, a most efficient material to hold the heat in and prevent its waste.

Copper tubes of standard hairpin design constitute the theating units. They are immersed in the water at the bottom of the tank, with well insulated inner resistance coils which are connected to electric terminals. A wall thermostat, to be located in a first floor room, is equipped with day and night controls so that the exact temperature desired in living rooms may always be maintained.

\title{
These recent developments will interest home
}

\author{
owners and builders - By Gayne T. K. Norton
}

To establish the cost of operation low enough so that a demand for this modern heater may be created among home owners, it is constructed to burn "off peak load" electricity exclusively. This phrase is the designation given at the power house to electric current generated during the hours from midnight to six A.M., and the shorter periods during the day between nine and eleven and three and five, when demands for service are slight. In the effort to stabilize the operation of power plants, a very low monthly rate is offered for equipment automatically timed to use current only during these hours.

A flow of electricity during these "off peak" periods raises the water in the thermal tank to high temperatures. It is held at 250 degrees F . for long periods by means of the efficiency of the enclosing insulation. The constantly available fluid heat, ready to instantly meet any sudden demands, provides uniform comfort in the home, regardless of outside temperature.

Double-Hung Window Unit. A complete window, with every part purchaseable in one order, is the latest merchandizing proposal of a prominent manufacturer. The double-hung window frame and sash, the insect screen and the storm sash are all included as a single unit. Wooden double-hung sash, suspended on coil spring balances in place of sash cord and counterbalance weights, are completely weatherstripped and glazed. Fitted screens for summer convenience, and storm sash for winter comfort, both equipped with hardware for hanging and locking in place, are cited as advantages.

Each part of the window frame is designed so that all joints will be weathertight is the claim of the Curtis Companies, the manufacturers. Elimination of sash cords and weights, with the accompanying weight boxes at either side of every opening, makes possible a tighter jamb, and permits use of narrow, delicately molded trim around the opening on the inside. Sash are glazed with lustra glass, reputed to possess capacity for allowing health giving rays in sunlight to enter the house. Other construction advantages include an extra member projecting across the top of the opening on the exterior to shed water and a steeper sill with rabbet for
screen and storm sash. Hardware for screens and storm sash is of rust resisting metal, designed to be easily operated.

Weatherstripping around the sash engages similar stripping in the frame, providing metal to metal contact. Sash is made loose fitting so that it cannot bind, the metal stripping sealing all joints between sash and frame. An innovation is offered in storm sash with movable insert frame set into the lower part, which may be opened for ventilation of the room without disturbing the entire storm window. This precludes the necessity for swinging out a large sash which would be at the mercy of sudden gusts of wind.

Sealed Joint Masonry. Mechanical seal as an efficient means for protecting brick mortar joints against the inroads of rain and wind has been recently recommended. Reliance is no longer placed solely upon the chemical bond of mortar and waterproofing. The method is particularly recommended for exposed wall areas where driving storms might force rain through the masonry, with resulting injury to wall, and ruin to costly interior decorations.
The bricks used, while of standard size have a special V-shaped groove threeeighths of an inch deep in the tops, ends and bottoms. When laid up in the wall a continuous furrow is formed. As the bricks are set in place an L-shaped piece of noncorrosive metal, patented by Sealed Joint Construction Corporation, is inserted in the groove, sealing both top and side mortar joints. This over-lapping metal forms a continuous horizontal reinforcement, connected to adjoining mortar courses at vertical joints. Structural strength as well as protection against inroads of water is, we are told, thereby provided.

Insulation Blanket. Blanket form insulation in two varieties has recently been introduced by the Celotex Company. Both of these are flexible materials, intended to be tucked between the studding or furring of the exterior walls, and between the second floor ceiling beams or the roof rafters. Upon being nailed in place, either material is said to fluff out to increased thickness, thereby adding to its heat-stopping value.

One of these (Continued on page 80)


\section*{Even a Prince of Wales}
approved of ostrich feathers
as a decorative theme
\(\mathrm{F}_{\text {RSS }}\) designer to use feathers, the ostrich today is among our best decorators! A new paper has gold plumes accented with black lines on pink. Empire Exchange
\(I_{F}\) you are feather-minded in decoration you will not be able to resist the lamp and chair below, with their distinguished Prince of Wales plumes. Both from Mrs. Bucl

Myriads of glittering crystal beads strung into graceful, curling plumes, and you have the last word in chan-deliers-the brilliant design immediately above. Bagues

The plumes on the Waverly print below are pert affairs in pale green and white scattered over a dark brown ground-an inexpensive chintz with sophisticated air


\(\mathrm{A}_{\text {nother }}\) use of the feather motif is this mural decoration of many plumes painted on the walls of the Casino Club, Chicago. Mrs. John Alden Carpenter, decorator

The newest feather chintz is the design below of tall ostrich plumes curled at the tips. In black and white, pink and brown and brown and blue. From Jones \& Erwin

Among the charming accessories featuring feathers is this Ginori vase of white porcelain. Plumes on its sides and its decorations are gold. Margery Sill Wickware

A border of the chintz be low edges these pale blue taffeta curtains and forms the valance. The feathers are cut out and appliquéd onto the silk. Arden Studios




From a central unit containing entrance \(^{\text {a }}\) hall and dining room, wings stretch at an angle to each side; service rooms at left and living room and library to the right. In addition to the principal stairway beginning in the entrance hall, a service and a guest stair also rise to the second floor. Howard \& Frenaye were the architects

\section*{The Gardener's Calendar for April}

This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper seasons. It is fitted to the climate of the Middle States, but may be made available for the whole country if, for every one hundred miles north or south, allowance is made for a difference of from five to seven days later or earlier in the time of carrying out the operations. The dates are for an average season

SUNDAY MONDAY
- New Moon, 5th day, evening, W.

D First Quarter, 13th day, evening, W.
O Full Moon, 20th day, evening, E.
\(\mathbb{C}\) Last Quarter, 27th day, morning, W.

TUESDAY
WEDNESDAY
First Week: Soggy soil, dark sky, hours of fog.
Second Week: Clear and bracing, light frost.
Third Week: Showers and warmer, grass growing.
Fourth Week: Sunshine and clouds, southerly winds.

FRIDAY
1. In cold rexions 1. \({ }^{\text {Where }}\) Whers.
berries.
Raspberries berries, Raspberries
and other cane and
bush truits cuer and mud othine cane cand
bush truls sere cov-
ered for the winter ered for the winter.
their protections may be removed now, New blants of these desir able adjuncts to the
home
garden may be home gat as soon as the frost entirely
the ground.

SATURDAY
2. While with exmajority of care the the hrubs may be plant-
mo al most an time so ummot any time
of the year. it is usuof the year. it it susu-
ally best or tet uhem
in before sincing growh before begins spring this time their roots
are getting realy to
on
 so will
promptly,


\section*{Old Doc Lemmon mooches along Birchy Holler Brook}
"Out'n all the places 'round this part o' the country where the fust signs o' real spring kind \(o^{\prime}\) git a-holt o' your insides, I don't guess there's any thet's better'n Birchy Holler Brook. All the way from the Holler itself, where the Laurel is so shiny green in the yaller sunshine, clear down to the swamp where the brook widens out into Taylor's Millpond ye can fair see April a-creepin' along an' tellin' things to wake up ag'in.
"It's a slow, easy-goin' sort o' way she has, but it works as sure as a bar'l o' cider with a loose bung. She just mixes up some soft rains with plenty good sunlight, seasons 'em with twothree frosty nights, throws in a handful o' sou'west wind, an' right away things git a-goin'. There ain't nothin' quite like it in the hull world o' Nature, I calc'late, nor anythin' thet steals on ye more onsuspected.
"Yep, there's a-plenty stirrin' along Birchy Holler Brook these April days. As ye come down the path through the Holler ye see the young curled leaves an' white star flowers o' the Bloodroot pokin' up along the sunny foot o' the big ledge an' if ye scrotch 'round amongst the dead

Oak leaves ye'll ketch the sweetest of all woods smells an' purty soon come on the pinky-white flowers \(o^{\prime}\) the Trailin'-arbutus a-snugglin' clost to the damp, dark earth. I dunno any flower thet's fuller o' the sperit of April than them-not even the fuzzy leetle Hepaticas thet show such a clear, purty blue on a sunny afternoon.
"Further down stream, where the Ten Acre Pasture begins, it's all diff'rent. There ain't no woods nor Laurel there-only clumps of Alders with their queer long bunches o' flowers danglin' like leetle yallerish caterpillars from all the twigs. Teeny green leaves an' grass blades are showin' ev'rywhere, an' all over the black mud where the cattle hev broke down the banks comin' to drink are the trails o' worms thet hev crawled around to see whut all was happenin'. If'n ye turn over a flat rock an' ketch a couple, an' drap em into the water so's they'll drift down into thet swirl there below thet big log, ye'll see how quick a trout flicks out an' gobbles 'em like he hedn't hed a bite to eat all day.
"Then woods ag'in, with the Maple buds all red an' bunchy, an' leetle gnats dancin' in
swarms, an' a bee snoopin' round a gulley where the dry dead leaves hev ketched the heat o' the sun an' it's most as warm as summer. There's Spicebush growin' along the banks, an' if ye look clost ye can see its flowers just a-startin' to open, yaller as Elviry's old canary. Troutlily leaves, too-hull carpets of 'em-hunderds o' dark green p'ints with wiggly lines o' lighter color the same as on a brook trout's back. An' along where thet whackin big old boulder with the ferns on its back leans out over the water there's a Phoebe-bird teeferin' on a branch, an' under a ledge 0 ' the rock 'ye can see his last year's nest still stickin' on a knob, as safe an' dry an' mossy as can be.
"But when all's said an' done, I dunno but thet it's the swamp down by the pond thet I ike best on a ca'm April day, 'specially t'wards sunset. How bright the patches o' Marshmarigolds are, an' whut a clean, growin' smell is in the air! 'An' when the sun hes set, an' the sky in the west is all smoky pink an' gray, how the peeper frogs do let loose-the sweetest, cheerin'est sound in the hull list o' spring!"


\title{
MOCK TURTLE SOUP
}

\section*{- desired on every}
fine table
- yet so difficult to
"make" unless you serve Campbell's

Few homes, no matter how palatial, can boast a skilled \(\mathrm{F}_{\text {rench }}\) chef in the kitchen. And no home can enjoy the services of the greatest soup chefs in the world unless Campbell's Soups are served.

In the menus of those who pride themselves on the excellence of their cuisine, Mock Turtle Soup is a prized enjoyment. How simple it becomes to serve it at will simply by permitting Campbell's chefs to supply it in all its appealing and exquisite perfection!

Tempting, tender pieces of the meat for which this soup is renowned, blended in a rich beef broth, with tomato puree, celery, fresh herbs, nice seasonings, and the unistakable bouquet of fine sherry



Amons the many odd and intriguing objects which the Orient has given us is the snuff bottle. Though of small dimensions, these lovely little bits of workmanship are sought by many because of their exquisite carving and rare coloring. Glass, porcelain and semi-precious stones have yielded to the patient cunning of Eastern craftsmen in fashioning many different designs.

If you seek a gift or a decorative piece for your own home that is out of the ordinary, come to Yamanaka's. You will find an enticing array, from brocaded purses or cocktail cups for a few dollars to lamps at \(\$ 100\) and more; and a collection of antiques carefully selected from amons the finest in the Orient. Send for illustrated brochure on "The Oriental Motif in Decoration".

\section*{YAMANAKA \& CO. 680 FIFTH AVENUE. NEW YORK}

\section*{Gardens}

\section*{without}

\section*{flowers}

Known as "Moon Gate", this interesting circular entrance through a brick wall is one of the exterior features of a private residence at Shanghai

(CONTINLED FROM PAGE 65)
its daily life and social intercourse, possibly sustenance-as we find that all cultured nations have done after their first few hundred years-then it may be said at least to have attained its adolescence.
The Oriental mind, however-possibly due to its thousands of years of culture-is luxuriant. It commonly sees and feels beauty in countless ways that only our accredited poets are gifted in seeing and feeling. The great test of their poetic sense lies in their ready simulation of gardens and flowers through a score of inanimate media.

It is a precious and practicable talent that we Westerns might emulate or borrow to our profit. Gardens without flowers! Everything lies in the symbol; the image behind the thing.
With regard to China, I was struck at first by an absence of commonly visible flowers and gardens. I attributed this to a general sparsity of
vegetation and, finally, to the widespread poverty of both soil and people in so many parts of the country. In the great flower markets, however, of cities like Shanghai and Peiping, I saw as many and as varied flowers as I have seen anywhere else in the world.

But it is with reference to the luxuriant examples of "gardens without flowers" that I wish to offer something that should engage the attention of American gardeners of living plants and flowers only.
One of the first gardens without flowers I saw from the back of a burro while riding up the rough pathway leading out of Shan-hai-Kuan on my way to the Great Wall. We came to a little farmhouse with the usual grave mounds just outside the backyard. I was interested by a wall in front of the mud house, along the top of which was set up a curious row of smaller stones, evidently following out (Continued on page 76)


One of the bridges and some of the buildings of the Summer Palace at Peiping. Balustrades are white marble. Roofs have the Imperial yellow tiles

\section*{She Couldn't Understand It...}

Such a pretty girl . . . such a nice girl . . . so talented, too . . . yet she wasn't popular. Other girls were always nice to her, but there the matter ended. If a fourth at bridge was wanted they would try almost everyone else before calling her. Men,
attracted by her good looks, usually called once . . . and never called again. She didn't know what was wrong. It worried her. What a pity no one ever told her . . . but no one ever does. The matter is too delicate to talk about.


\section*{Don't risk offending others}

Halitosis (unpleasant breath), like perspiration odors, is the unforgivable social fault. It has broken up many a romance, cooled many a friendship. The insidious thing about it is that you yourself never know when you have it. The subject is so intimate that even your best friend won't discuss it.

The one way to make sure that your breath is sweet, wholesome, and inoffensive to others is to rinse the mouth with

Listerine. Every morning. Every night. And between times before meeting others. Listerine instantly ends halitosis because it immediately halts food fermentation in the mouth - the principal cause of odors. Having thus struck at the source of odors, Listerine gets rid of the odors themselves. It istheswiftest of deodorants.

Don't rely on ordinary mouth washes to put your breath beyond reproach. Many have no deodorant power what-
ever. Listerine immediately overcomes odors that ordinary mouth washes cannot hide in four days. This statement is based on a series of careful tests conducted by a noted New York chemist.

Make up your mind now to use Listerine every day. You will know then that your breath is always sweet-that halitosis cannot ruin you socially. Lambert Pharmacal Company, St. Louis, Mo., U.S.A.

\section*{France}


\(N_{\text {。 }}\)take the holiday in France you've always promised yourself \(\boldsymbol{\wedge}\) Railroad and hotel tariffs down to earth and tunneling under ... informal modes in clothes even at the smartest resorts.... a rich man's paradise at poor man's rates! \& Easter at Biarritz, spring with the apple blossoms in Normandy, summer at the channel coast resorts or along the golden Riviera, autumn at the glorious mountain spas or in the picturesque old Roman section a New coaches on the railroads, and de luxe motor buses everywhere a End up in Paris, the intellectual and artistic center of Europe ...museums and Montparnasse, new ideas and new plays... a holiday that means a whole new outlook, on a smaller letter of credit than any needed in years \(\Delta\) Any reputable travel agency will supply an itinerary of your own.

Railiways of France
1 East 57th Street, New York

Celestial gardens without flowers
(Continued from page 74)
some design. I asked my donkey boy what was its significance.
"Oh-oh-he garden-frowers!"
"Flowers?" I asked. "I see no flowers."
He went over and touched very gently one of the smaller stones surmounting a larger one. "Oh-oh-yes, master, he frowers! He Buddha-all he Buddha-Buddha, Buddha, Buddha! He pointed to each one in the long row.

Then I could see the resemblance to the idols of Buddha. This was the simple farmer's garden of Buddhaflowers! To his untutored mind a garden of the gods! In his crude way, Heaven brought to earth. There were no flowers; scarcely sufficient vegetation to keep their bodies and souls together. I keep repeating in my unpoetic short-sightedness, "no flowers" yet, on reflection, I can't conceive a more lovely garden than those stones representing the "living Buddha"! That garden is not the more beautiful that looks so, but rather the one that dispenses beauty.

After that I went about seeking gardens without flowers. From the humblest peasant's hut at Shan-hai-Kuan I went browsing out to the exalted estate, the Summer Palace of the late Dowager Empress. A long desolated approach, under the walls of the old Tartar City, the native city, then five miles over an atrocious road worn into deep ruts by the laden carts drawn by straining coolies, and the heavywheeled picturesque carts with blue denim tops and a sunshade for the horses, driven into Peiping by the more prosperous farmers. The only flowers I saw in the fields were grave mounds and ugly flat tombs.

\section*{summer palace}

At length we came in sight of what to my mind is one of the loveliest gardens in all the world. I cannot recall having seen a single flower within the vast park surrounding the Summer Palace. I say again, a garden without flowers, and yet I have never seen a garden that stirred my imagination more deeply and colorfully until it blossomed with a thousand fancies, just as it had bloomed with a thousand others for "Old Buddha"-as they called the Dowager Empress-too subtle in their Chinese infinitude for my Occidental mind to comprehend. In fact, the unforgettable color, form, grace and beauty somehow suggested flowering Nature so much that I did not miss the presence of growing flowers, and I could have sworn, without thinking, that I had walked and lingered the day long amidst precious and fragrant blossoms.
Soon after entering the "Garden of Peaceful Enjoyment" (the fragrance of the flowery sobriquets lends their perfume to the illusion) we found ourselves strolling along the covered walk that skirts the lake, carved, fretted, pillared and illuminated in simulation of Nature's own handiwork. Beside the lake is a balustrade of flowering carved marble. The waters are green with scum and sedge grass: the whole prospect luxuriant with pathos in its crumbling, weedy decay. There is no fertilizer to stir and germinate poetic soil like the mouldering
emains of dead and bygone greatness We walked among many Royal Pa-vilions-pavilions for the Empress's thousand Pekingese dogs, another for the eunuchs, another for the theatre Then within a lovely court-just as you would expect to find it within such palatial grounds-we came upon a formal garden. But it was a garden with a difference-it was a garden of bronze! First, like potted flowering shrubs, set on pedestals of carven stone, there was a row of superb chased sacred censers. Beyond, like rare plants set apart, were several huge jardinières, majestic in shape, ex quisite in detail. Then came the deli cate flowers, fine, comely, radiant dragons, pheasants, storks, ranged on pedestals, limned with celestial delicacy and fancy. Exquisite objets d'art is well as perfect replicas of Nature. Blossoming bronze

\section*{marble navy}

Fancy a marble boat in your garden lake! Ah, that Dowager Empress was not only a master gardener but she was a poet as well-as indeed all master gardeners must be-for she took the millions of dollars appropriated by her Councillors for a Chinese Navy and built a grand marble boat! Would that we had more rulers that were so poet-wise!
So we take our place in the stern of the marble boat and let our fancy roam hither and yon. Two blue-denimed coolies beneath the pagoda bridge alone disturb the tranquillity

Then we ascend the 300 marble steps to the top of the "Mount of Ten Thousand Ancients" and cast our eyes over a garden prospect that is unique in the world of gardens. We have mountcd into the heavens as it were, higher than all the palaces. Their tiled roofs lie in clumps below us all down the mountainside to the edge of the lake, rare and brilliant shades of Chinese color-vermilion, jade, lapis-like clumps of flowering shrubs amongst the fresh green foliage of the trees, lending a beauty of their own in the graceful canopy-curving of their roofs, imitating the giant Cryptomerias that possibly first inspired their lines; the ridge-poles ablossom with gorgeous carvings and illuminations in which the artist's pagan fancy has roved at will, like an exotic flowering vine. Cornices curl upward with the sensuousness of tendrils seeking the sun and the heavens.
The whole landscape is in harmony; which are the flowers of Nature and which of man is scarcely distinguishable. The broad silvery lake, the dreaming sedge-bearded lagoon, placid Jade Fountain Hill, the distant mountains drowsing in a haze, the Great Pagoda proclaiming Buddha from the hill-top and the Porcelain Pagoda glinting like giant Iris in the background, the Seventeen-Arch Bridge like some glorious aquatic plant with marble blossoms crawling across the stream, the Camel's Back Bridge composing a mystic symphony with the Weeping Willows on the banks giving it its sad motif while the bronze Sacred Cow looks on and chews its cud complacently throughout the centuries, the (Continued on page 78)


BE hard to please when you buy your new car! Insist on getting a 1932 value as well as a 1932 model. Don't take less than all the worth-while engineering advance-ments-not just one or two or three of them. And make sure you pay no premium compared with Studebaker's drastically lowered prices.

No line of cars in America can measure up to the Triumphant New Studebakers in a searching comparison. Their 32 important betterments embrace every advanced engineering achievement of the year-many of
them exclusive with Studebaker.
1932 Free Wheeling, combined with Synchronized Shifting, FullCushioned Power and Automatic Starting are Studebaker advancements matched by the adoption of finest quality Safety Plate Glass in all windshields and windows of all models at no added charge.

There is only one way to find out what Studebaker's 32 great advancements mean, in riding, driving ease and enjoyment, and that is by driving any one of the Triumphant New Studebakersthe four great "buys" of 1932.

The Triumphant New Studebakers


Have you ever had this experience? It can't happen when you have Salubra


Move pictures as you will, Salubra never shows where they hung before. SALUBRA NEVER FADES.

SALUBRA is your insurance against rooms growing shabby.

\section*{developed to an} unheard of degree!
 in all day long? Been troubled with recuring a wall covering that wouldn't change color? Then just try Salubra - it thrives on sunlight! Salubra-decorated walls are insurance against depreciation.

Salubra's beauty starts with its designs - the creations of Europe's leading stylists and color-ists-men and women who are pastmasters in color harmony, balance and artistic interpretation. But why is Salubra fadeless even when exposed to the strongest sunshine, year after year? Because the oil colors which give it richness and beauty are especially compounded and tested to resist the damaging effects of light, not for a few weeks or months but for years.
Move furniture ard pictures about as you will, you'll never find disfiguring patches on a Salubra wall. Dust, soot and smudges are easily removed by scrubbing with brush, soap and water.

Salubra is really "oil paint-by-the-roll"-in hundress of patterns; colors ranging from delicate pastel tints to rich vivid shades, designs for any type of interior, Period or Modern.

You can buy Salubra for as little as \(\$ 2.10\) a roll -and that's the last cost as long as you choose to keep it on the wall. Ask your architect or decorator about Salubra, or write Room 1553, FREDERIC BLANK \& CO., 230 Park Ave.,N. Y.

\title{
Saturant
}

Won't fade WALL COVERING Will Wash
TEKKO-a de luxe wall covering for luxurious interiors -has all the practical advantages of Salubra but has a satin-like or metallic finish.

Celestial gardens without flowers
(CONTINUED from page 76)
"Island of Tranquillity" disturbed only by the bird-song, which we, too, share from the throats of unseen songsters in the tree-tops near-by.
A barge with a Chippendale alanquin cabin effect drifts out of the distans haze through the beardy sedge and lies for a moment beside the erstwhile elegant Royal landing-stage, and we step aboard. Then, propelled by five stalwarts with long oars, we sweep majestically across the broad water. We have a new view of the garden of perennial pavilions flaming on the side of the green hill like Azaleas, like Laurel, like Gentian. The deep-red wall climbing up the Mount of Ten Thousand Ancients has the appearance of being covered with Roses.
Passing on to the Center of the Universe in the vicinity of the Temple of Heaven, I saw a still more unique manifestation of the garden without flowers. Here in the abode of the allhighest Deity, where the Son of Heaven proceeded on solemn occasion mounted on a white elephant, followed by his vast retinue of Generals, Princes and Nobles; forbidden-to-be-looked-upon by the multitude on pain of deathhere is a vast area cultivated to the last inch by all the cunning and skill of Chinese artistry. Palaces that probably surpass Versailles, the Prado, and Hermitage in spaciousness and richness of detail. The fringe of the gotgeous approach to the Altar of Heaven is a sunken formal garden effect with symmetrical vistas that surpass any others I have seen. A "park", the Chinese call it. And yet there are no clipped trees or hedges, no glorious gardens of living color, no arbors of living green and greenswards of velvety lawn, as I have seen and admired surrounding practically every other palace I can recall.
the temple of heaven
Not a tree, or a shrub, or a flower grows within this sacred sunken enclosure of the Temple of Heaven. Nevertheless, it is a vast garden without flowers-the Altar, Temples, pavilions, walls, gateways, pillars, roof-trees, balustrades, effigies, cornices, newelposts. A glorious formal garden devoid of plant life; yet, a formal and riotous array-marble, stone, tiles, bronze and wood-a-bud, abloom and in full flower in a garden-park, exciting the senses in the same esthetic way and the imagination to a vastly greater degree than any garden of flowers.

Especially now, in its empty gesture of Empire and celestial First-born Divine Ruler. With the marble avenues all overgrown with every mongrel weed, the dragon steps sacred to the feet of the Emperor trod and broken by coolie vandalism and the Altar of Heaven itself thronged with "foreign devil" tourists. A tatterdemalion Vier-
stiles and Schönbrunn had once touched me deeply, but that was the pageantry of a decadent epoch, this was the panorama of a majestic civilization condemned and trod upon by intolerant upstarts.
What a garden, for the virtuoso gardiner!
There remains one garden without flowers, however, that for me surpassed them all. It lay just outside the city of Peiping along the lagoon that separates the Winter Palace from the less sacred earth. There is an embowered walk beside the sedge-grown waters where always Chinese maidens are to be encountered swishing along in silken trousers, shyly half-concealing their faces with their gayly-decorated paper parasols. Bending Willows dip into the lapping waters, giving voice and form to the scene, while a sampan crowded with picturesque passengers is punted across the lake by chanting coolies, the orange-tiled pavilions and pagodas of the distant Winter Palace shining in the sun.

\section*{flowered wall}

At this point I turn aside across a gully and find myself in the ruins of an ancient Buddhist temple. I wander at will among crumbling walls and musty compounds, glared at by decaying gods of dreadful mien, until at length I come into a garden. There I pause before a single floral piece that commands my awe and admiration. It is in the form of a detaches wall, perhaps 150 feet in length, with a richly-decorated tile coping surmounted by a blossoming ridge of superb artistry. Upon the wall is sculptured the Royal five-clawed Dragon writhing his great length luxuriantly, his scales and fangs and bulging eyes a decorative mass shining in Chinese blue and yellow tiling. It is all enshrined beneath an ancient camphor tree.

That is all.
I say that is all, yet no garden I ever saw stirred my esthetic senses more. When I raised my eyes and looked back over that garden of tiles to the brilliant pagoda just over the wall, the decaying temple and the deserted pavilions, I saw vividly againbut this time all alone-the pageant of an ancient culture-hundreds of years in advance of the rest of the world of its time-now marching out into the sunset, never to return to earth again-save possibly in the rare glimpses of these gardens without flowers!

Note: The majority of the photographs used to illustrate the foregoing article are shown by courtesy of Edwin L. Howard, whose book, Chinese Garden Architecture, has lately been brought out by The Macmillan Compang.


\section*{IN THE AMERICAN MANNER...}

A Federal dining room. Furniture, linens, china....all are utterly charming. And Directoire Silverware to stamp it all with an air of distinction and genuineness.

This pattern of "Treasure" Solid Silver has suave grace and a certain sophisticated simplicity. It takes its place in rooms that have an American flavor, feeling equally at home in a Federal setting or a modern one. Its beauty has an age-old quality which grows more precious with the passing years.

Because it is Sterling silver it has a fundamental appeal for people of sensitive taste. And because Sterling is now extremely low-priced, the impulse to own it becomes quite irresistible. You really should see American Directorre-hold it in your hands. There is a Jeweler near you who sells it. Just write us for his name. And, if you address Dept. B-8, we shall also be glad to send you a copy of "The Modern Way to Choose Your Silver".

ROGERS, LUNT \& BOWLEN CO. • Silversmiths • GREENFIELD, MASS.


\section*{SCREENED... but its beauty remains unblemished}

Winnows . . . the "eyes" that give a house life, beauty, stateliness! Into their design architects for centuries have poured their artistic talents. What a pity when the harmony of line and proportion is destroyed, or ten to twenty per cent of the light is shut out by unsightly, wide-framed, flat-type screens! It is so unnecessary . . . for today Rolscreens of Pella relegate such shortcomings into complete oblivion. They do more. Rolscreens bring you a whole category of other advantages which make you wonder how you ever managed without them.
Fitted into your windows, either inside or outside, Rolscreens are so unobtrusive you scarcely realize they're there. Inconspicuous guides at the sides; a narrow bottom-rail; an ingenious spring-roller, hidden in a compact housing; a clear-vision mesh

That's a Rolscreen of Pella!

\section*{Rolscreens roll up and down \\ -like a window shade} A touch of the finger and, automatically, your Rolscreens roll up; a gentle pull
and they're down . . . instantly available when you want them; instantly out of the way and out of sight when you don't. Rolscreens make it easy to get at case ment latches. They need not be taken out for access to flower boxes or for window for access to flower boxes or for window washing. In fact, they need never be re-
moved. They're permanent! ... Require moved. They're permanent! . . . Require
no storing; no messy dusting, painting, no storing; no messy dusting, painting, Rolscreens collect no heavy accumpl
tions of dust or dirt-to soil delicate breeze-blown curtains. . . . They clean themselves each time they're rolled. Rolscreens do not sag, bag, or rip. An accidental blow merely disengages the sliding lugs from the guides, and rolling the screen instantly replaces them.
Rolscreens are thoroughly insect-tight -being locked in on all sides. No gaping edges from shrinkage or bad fitting.
Rolscreens do not rust or break into holes. Made of special electro-plated "AluminA"-clear-vision wire-cloth, with reinforced selvedge, that will far outlive Rolscreens' TEN-YEAR GUARANTEE.
Preserve the carefully planned beauty of that home which you love. Banish those daily inconveniences and that twice-a-year drudgery which old-fashioned screens impose. Give yourself the economy of screens that will probably last for the remainder of your life. . . . Rolscreen your windows. It's easy-with any size or type of window; in full or half length. Time payments, if you desire.
But, be sure your Rolscreens are the genuine-Pella-made. Their fifteen patented features and seven years' successful history are assurances of satisfaction-giving to a degree no other rolling screens can offer. The coupon below brings you the complete story-without obligating you in the slightest.
Special information, specifications and services to architects and builders on installations in new dwellings, hospitals, hotels, office and apartment buildings.

\section*{ROLSCREENS}
- O F P E L L A

Rolscreen Company, 742 Main Street, Pella, Iowa
Please send illustrated booklet showing how Rolscreens can add beauty, convenience and utility to my home.

Name

\section*{Street}
\(\qquad\)

What's new in building and equipment

\author{
(CONTINUED from pace 67)
}
blankets is composed exclusively of hair, stitched between layers of tough, heavy, puncture-proof and waterproof crêpe paper. The other is of imported fiber and hair, felted together and securely stitched between layers of kraft paper. These insulations come in rolls 17, 25 and 33 inches wide, to fit between standard spacing of studs and rafters. Both are available in one-half and one inch thicknesses.

Structural steel interlocking FLOOR. A sturdy fireproof floor construction has just been designed which is suited to use as the first floor of residences. It is light, strong, economical and without excessive depth. Absence of wood from the structural framework eliminates much of the fire hazard.

Rolled steel channels, which resemble a broad, shallow \(U\) in cross section, are laid across the cellar space, extending from exterior foundation walls to steel girders in the center These channels look like shallow troughs, placed alternately right side up and upside down, so that the sides overlap each other much as do the half-round Spanish tiles of a roof. Very high load bearing ability is claimed after tests by the Belmont Iron Works, who are the patentees. After the channels are in place, concrete is poured over them to form a base for any desired finish floor of terrazzo, tile, cork, linoleum or wood. The cost of the system is comparable with other methods of fireproof floor construction.

Air conditioning unit. A new unit of reputed low cost and inexpensive operation, which may be attached to a warm air furnace, is offered to home builders and owners. Equipped with noiseless, high speed twin fan circulator, the mechanism while in operation is said to keep the home atmosphere in constant circulation. Air is drawn from rooms and basement, and passed through a filtering screen into a series of fine, swirling water sprays. The process, we are told, removes practically all of the dust and dirt from the air, and supplies just the amount of moisture required to give it a proper degree of humidity when warmed. The refreshing, tempered air is propelled from the heating chamber through ducts to all parts of the house. Forced circulation of the air makes it possible to locate the equipment in a far corner of the basement and yet deliver heat to all rooms. The Holland Furnace Company is the manufacturer.
During hot, summer days operation of this unit is recommended to add to the comfort of dwellers within the house. A snap of the switch will start the motors and fans, drawing cool air from the basement. Water sprays to still further lower the air temperature may be used or not as circumstances dictate. The movement of cool air, reaching the rooms through the same ducts which bring warm air when the heater is in operation, is reputed to materially lower temperatures in living rooms. This unit may be attached to any existing warm air furnace, providing it is in good condition, and at small expense will improve the heating ability of exisiting equipment and, it
is suggested, will add humidification.
Lead fittings. Flower boxes and chimney pieces of lead give the suburban house distinction. This metal, long a favorite for rain water conductors and cisterns, can be effectively used in many ways. It may be cast, beaten or rolled. Being practically indestructible, it imposes no upkeep or replacement cost. Lead does not rust, but takes on a patina of silver gray or whitish brown when exposed to the weather.
When these fittings are fastened against a blank wall surface of stucco, the Lead Industries Association suggests that they be highly enriched; but when placed against the multi-unit background of brick or stone, kept simple. Rain pipes and leader heads, for pleasing contrast, should have ornamental pipes with simple heads, and plain pipes when heads are to be embeilished.

Water cooled lamp. For use in refrigerators, photographer's dark rooms, and other locations where light is desired without heat, the General Electric Company has developed a lamp which is cooled by a constant flow of water. An outer glass globe surrounds a standard lamp bulb, with the space between filled with distilled water or other suitable liquid. Near the top of the outer glass globe a cooling coil, through which ordinary tap water circulates, is immersed in the liquid. The unit is operated with lamp vertical, base up. A large part of the heat is removed with but small loss of light.

Improved radio. An innovation in radio design presents a cabinet with a sloped lower front panel as a sounding board, which is said to greatly improve receptive quality. All sounds are thrown directly into the field of the listener, with high tones projected at ear level, and full musical register accomplished. An echoabsorbing screen at the back of the speaker chamber is credited with prevention of echo and blurred tone. The sounding board, made of extra heavy, laminated hard wood, is rigid and securely anchored to prevent cabinct vibration and blur.
In announcing this latest product, the Philadelphia Storage Battery Co., the manufacturers, stress the range and selectivity of the 11-tube superheterodyne receiver, the electro dynamic speaker and the large area of sounding board with unobstructed opening from speaker, affording full, round and unboxed tone.

Fireproof board for intertors. Production of a light weight, low cost fireproof insulation board, which may be effectively used for interior finish, is announced. This is of particular interest to builders of houses with studio type high ceilings, where the board will form panels between rough beams or rafters. Basement and attic spaces are other places in the house where rooms may be partitioned off with this board, manufactured by Thermax Corp. The exposed surface is of distinctive texture and color, and may be stenciled or decorated in other ways to blend in well with any proposed interior scheme.


The Packard Light Eight-the new car that introduces truly luxurious transportation to additional thousands-is pictured below in its full grace of line and beauty of color. But you must see the car itself to appreciate its fineness-you must drive it to gain a complete conception of its many performance advantages. I Here is a car that is Packard in design, Packard in quality and, therefore, Packard in name-a car of which Packard is again proud to say "Ask the Man

Who Owns One." Yet, because Packard has taken advantage of present economic conditions, lowered prices on fine materials, advanced engineering and new manufacturing processes, it can be offered at a price remarkably low - \(\$ 1750\) at the factory for the Five-Passenger Sedan. I The Packard Light Eight is available in four distinctive and completely modern models - all on a chassis of 128 inches with 110 horsepower motor. It embodies Packard's latest
engineering advances - Silent Synchro-mesh Transmission, quiet in all three speeds, Finger Control Free-Wheeling, and the new Angleset Rear Axle. Shatter-proof glass throughout, bumpers front and rear and six-ply tircs-items charged for as extras on many cars-are included as standard equipment. I Truly, thousands of motorists who for years have admired and wanted the beauty, luxury and distinction of Packard transportation can now enjoy it.

ASKTHE
MAN
W H O
O W N S
0 N E

You will look long and far before you
find bedspreads that more happily express the spirit of modern and period decorative schemes than do Stevens Spreads. Their designs . . . formal, friendly, or quaint . . . bear the stamp of true artistry. © Their soft, lovely colors blend most agreeably with other decorations. The very size of their patterns is adroitly scaled for large and small rooms. And in richness of texture, in perfection of weave, Stevens Spreads convey a sense of luxuriousness seldom associated with their modest prices. - Clarence Whitman \& Sons, Inc., 21 East 26th St., New York. STEVENS

Each Stevens Spread is individually boxed and sealed in Cellophane... fresh, untouched when you receive it. See them at all good stores.


ANN: My dear! What have you done to this room? It looks so much larger.

DOROTHY: I had new wallpaper put on yesterday. Doesn't it make a big difference? I had no idea the things you could do with wallpaper.


ANN: You extravagant creature! How did you have the courage in these times? It looks terribly expensive.

DOROTHY: That's what John thought. He could hardly believe the wallpaper for this whole room cost only \(\$ 10.75\). And come see my bedroom.


DOROTHY: At Thibaut's. They have thousands of the most divine things l've ever seen.


Drop in at any Thibaut shop and see the largest collection of wallpapers in the world... authentic period patterns of Colonial America, old French and English designs and creations of living artists. The new 1932 wallpapers are lovelier than ever. Many of the choicest are those of modest price. Ask your decorator to show you his samples. Or, if you prefer, we shall be glad to loan you our special sample collection, at no charge . . . you merely hand the postman who delivers it \(\$ 1\), which is refunded when you return the book.

Write to Richard E. Thibaut, Inc., Dept. K1, 24 W. 40th St., New York.

\section*{THIBAUT}

WALLPAPER AND DECORATIVE FABRICS

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\section*{bicture windows PAINT MARCHING MURALS ON YOUR WALLS}


A view of San Francisco Bay from the living room of the Kingsley N. Cannon residence. This is an example of the effective use of a Picture Window in a tovn
residence. Irvine \& Ebbets were the architects and M. P. Jorgensen the contractor.

Nature's lavish hand makes no two days alike. Varying ligghts and colors paint a thousand scenes upon the same horizon. With Picture Windows in your home, this endless parade of natural beauty creates an ever-chanǵinǵ charm no canvas hunǵ in its place can duplicate. - The unusual beauty, uniform quality and thickness and lasting brilliance of Libbey • Owens • Ford Polished Plate Glass make it particularly appropriate for use in Picture Windows. It truthfully portrays the loveliness that lies within these living, moving murals. Your architect will tell you why.

\section*{Decoration through the camera's eye}
(continued from page 37)
another problem as different as possi-ble-suppose we consider a woman's dressing room in white. The walls might be a continuous composition of different white flowers, enormously magnified, each sharply delicate as though seen under the microscope. Slim strips of mirrored glass border the walls, details of mirrored glass and beige marble are inlaid in the white marble floor and a faint tint of pink from the ceiling is reflected down across the ethereal garden.

Whether for the whole room in a photomural or for those sectional details that call for less courage and cost, there are various means of finishing surfaces after the prints are in place. The general feeling of the surrounding materials will determine whether it is best to use a tinted glaze, a varnish in mat, high gloss or semigloss, or the more subtle dressing of wax. Mirror, polished metal, metal leaf and silver lacquer are good textures in the surrounding scheme. White, oyster, gray, dark red or notes of lacquer red are always satisfying colors.

In the meantime, if whole rooms seem too large an undertaking, how about the new process as applied to decorative accessories? England is re-
sponsible for a sensitized soft linen canvas on which photographed designs may be printed. An excellent use of this material is found in specially dec orated window shades, and it's just step to imagining the same fabric hung as simple modern curtains.
Trays, boxes, waste baskets and lamp shades have been successfully decorated in the photograph method and may be seen at the Julien Levy Gallery. A cigarette box topped with a pattern showing quantities of the contents in unusual perspective appears on page 35. The same idea, using the master print for print reproduction on ordinary cotton, provides the retailer with kitchen curtains carrying a close up of a pressed carton for an egg crate, and the owner of a notable office building with curtains for his tenants showing a block design, each section of which is a perspective view looking up the main elevation of the facade, such as the view of the dramatic News Building in New York which is shown on page 35 . Such things, of course, are not to be taken as seriously as the wall treatments with which we began. But, in a world always eager for something new, they offer notes of interest and genuine unexpectedness.

\section*{House \& Garden's bookshelf}

Gardining in The Lower South. By H. Harold Hume. New York: The Macmillan Company.
\(\mathrm{T}_{\text {HIS }}\) is a truly great work. With preëminent scholarship, marvelous industry and extraordinary powers of condensation the author has covered not only the particular field but also the correct principles that underlie success in gardening in general. For this reason directly is the book likely to be serviceable to those who can have homes both in the North and in softer climates-yes, even to the increasing number of persons of refined tastes who are removing to Southern California, if allowance be made for the difference in humidity. There is throughout the volume an understanding of climatic and soil conditions that should make the work valuable not only to the person who gardens for himself, but also for landscape architects, garden consultants and nurserymen who, without visiting the South long enough to learn to know it in its various regions, may yet have to consider that the variations are great.

Always with wise attention to composition and texture of the soil, the fertilization of the different plants is liandled upon the basis of more knowledge than is commonly found in books relating to ornamentals. It is stated that deep planting is particularly harmful to plants that require relatively large amounts of air for root growthfor example, Citrus, Azaleas, Hydrangeas and Roses. Trees that are to remain within a fill must be allowed to accustom their roots to the new position by having the filling done gradually or by having four or five lines of porous tiling laid from the bottom of the well around them out as far as the tips of the branches. Even
those two matters in which the unskilled gardener is most apt to go astray, the pruning of trees and shrubs and tree surgery, are deftly compressed into a few but altogether satisfactory pages.
Special chapters are devoted to the Rose, concerning which it is declared that a good soil depth of only twelve or fifteen inches is sufficient if drainage be provided. Azaleas are we!! adapted to the regions with which the book concerns itself and all the different classes, including the Kurume, are most valuable in that they flower in winter and are hardy enough to withstand the drops of temperature that come from time to time. Other chapters are devoted to Bamboos and Other Grasses, Climbing Plants, Hedges, screens and windbreaks, Bulbs, Annuals and Perennials,-in which are sketched the various subjects for the South-The Water Garden, Window, Box and Porch Plants, The Fruit Garden and The Vegetable Garden.

The Lawn. By Lawrence S. Dickinson. New York: Orange Judd Publishing Company.

Here is a most important subject presented in a charming style spiced with occasional dabs of humor. It brings comfort too, in telling that only five inches of loam or feeding depth is sufficient; the generally best lawn grasses, the bents, rarely send roots more than two inches down. And a moisture-holding subsoil, that will at the same time, in all but low and stagnant places, give drainage also, is not expensive either, for it can be made of four or six inches of coal ashes. Humus is needed; if this be of manure, in order to destroy its weed seeds it (Continued on page 94)

\title{
An Arresting Advancement in
}
- Motor Car Design

A house or formal garden of artistic conception stands vividly apart from its conventional neighbors just as the new Nash with its complete SlipStream body distinguishes itself from customary motor car appearance.

Every line and contour of this Twin Ignition, \(142^{\prime \prime}\) wheelbase Brougham, from V-Radiator to Beavertail back, conforms to aerodynamic principles.

The result is a refrcshingly new style - plus the practical result of greater top speed and reduced gasoline consumption. For this design reduces frontal air resistance and rear end vacuum "drag" -twin enemies of speed and economy.

When you drive this fleet, roadgeared car, we promise that you will be moved to praise, by the ease and quickness and smoothness of the 125 horsepower Twin Ignition motor.

You will be equally impressed by its remarkable road-steadiness. This is due, in part, to a lower center of gravity. For, in all new Twin Ignition Nash models, the use of a new


ALL PRICES F. O. B. FACTORY
" 500,000 mile" Silent Underslung Worm Gear Rear Axle brings the car nearly 3 inches closer to the ground, without the slightest sacrifice of road clearance or head room.

This, and other factors, contribute to a remarkable roadability never before attained:-among them, the new Nash super-rigid X-Dual frame (the strongest built); wider tread; smaller wheels; larger tires; and Full Range, DashRegulated Ride Control.

To step into the interior of this Brougham is like stepping from an ordinary room into a luxurious drawing room. Rich upholstery, wide center and side arm rests, wider seats, higher seat backs, deeper, softer cushions, deep pile carpets, new smoking sets, electric cigar lighters, front and rear-these are but a few of the appointments which endow this car with richness.

On behalf of your Nash dealer, we cordially invite you to inspect the new Nash and judge its new design and finer performance for yourself.

BIG SIX
116-inch Wheelbase
\(\$ 777\) to \$935

STANDARD EIGHT 121-inch Wheelbase \$965 to \$1095

Special Eight
128-inch Wheelbase \(\$ 1270\) to \(\$ 1395\)

ADVANCED Eight Ambassador Eight
133-inch Wheelbase \$1595 to \$1785

142-inch Wheelbase
\$1855 to \$2055



Each set is decorated with the above figures by Jobn Held, Jr.

\section*{The "GAY NINETIES"}

Tear-provoking memories in glass by

\section*{Johm Helld jr}

With this crystal ware, amusingly decorated by John Held, Jr., your beverages take on added savour; your canapés become doubly delectable; and your parties the talk of the town.
Take the Empire Stately churn. This 16 -inch high pleasure vehicle alone will stamp you as a host apart. Holding a half gallon, it makes cock-tail-mixing an art instead of an exercise and has the added advantage of allowing your guests to actually see your favorite potation in the making. An absurdly low price of \(\$ 12.50\) puts it in your home, ready for the fray.

Abutting the churn are what we in the trade term footed cocktail glasses. Only \(\$ 9.00\) for 6 . The footless glasses are \(\$ 7.50\) for 6 ; the 6 -inch plates, \(\$ 9.00\) for \(6 ; 8\)-inch plates, \(\$ 10.00\) for \(6 ; 10\)-inch plates (not illustrated), \(\$ 12.00\) for 6 . Exquisitely proportioned Old-Fashioned Cocktail glasses, \(\$ 9.00\) for 6 , and Highball glasses, \(\$ 7.50\) for 6 , are also available.
"Gay Nineties" crystal ware may be had at better shops everywhere or postpaid direct on request. Dunbar Glass Corporation, 150 Dunbar Street, Dunbar, West Virginia.
DUNBAR GLASS


These five stages in the life of a favorite flowering shrub show the differences between wise and unwise use of the pruning shears. With material such as this the idealized natural form is the one which ought to be sought

\section*{Sane surgery to help the flowering shrubs}

\section*{(CONTINUED from page 55)}
year previous to the one when they open. In this class we find many of the old favorites-the yellow Forsythia, the Spireas, the fragrant Mockorange, the Lilacs and the Honeysuckles. All of these should be left alone during the enthusiasm of the spring cleanup except where broken or dead limbs occur. The correct time to prune this class of shrubs, blooming before July 1st, is just as the flowers fade. At this time the wood on which the flowers were borne may be cut off, as the flowers for the next year will be on wood which has not yet started to grow. This old wood will in years to come produce only leaves and inferior flowers, sap the strength of the plant and prove detrimental to its growth.
Dead wood and broken branches may, of course, be trimmed out at any time during the year provided it is done with skill and judgment. Pruning, however, is an occupation which, once started, proves fascinating to the surgeon and if the shears are sharp the work is apt to continue past the real need for it. To prevent the loss of flowering wood, therefore, it is safer to allow the shrubs to be trimmed only at the time stated in the table.
One of the most common errors in pruning and one that is highly detrimental to the ultimate well-being of the shrub is the habit of shearing the
tip branches. This is a favorite form of trimming with many, for the small branches cut easily, the operator may work standing at his ease and the result shows immediately. The ultimate result of this form of pruning, however, is to force out a thick growth of small branches at the top of the shrub where they have neither space nor strength to develop and to force the lower branches to become long and scarce. The shape of the shrubs will become more like an umbrella.
Pruning should be far more a process of thinning out than of trimming back. Each year a few of the old canes should be cut to the ground. This will encourage young shoots to start at the base. A flowering shrub sometimes assumes a most unpleasing form, owing to neglect or improper trimming. It is apt to have nothing but a few canes at the height where a thick screen is desired, and the flowers may be produced far above one's head. The remedy is to cut the plant back se-verely-clear to the ground, if your conscience will permit. This type of trimming is drastic and after the operation time will be required before the shrub will again become an object of beauty. If it is necessary to resort to such severe treatment, it should be done in the early spring before the sap starts to flow.

\section*{Paris!_C Coss.radst of womence}


MAGIC thoroughfares - the side-streets and boulevards of Paris. Romance marches by in fascinating faces . . . now at a famous café on the left bank . . . now along the footpaths of the Bois.

These are the glamorous scenes your CinéKodak can capture ... the scenes you and your family and friends will enjoy again and again in vivid home movies.

Ciné-Kodak Model M-Only \(\$ 75\) with case Into this compact little camera, Eastman has concentrated all the essentials of movie making. Equipped with \(f .3 .5\). lens and a special attachment for close-ups. No focusing. Loads with full 100 feet of 16 mm . film.
 camera, press a lever. That's all there is to it. Kodascope projectors now reduced as low as \(\$ 50\). Many dealers offer easy terms. Eastman Kodak Company, Rochester, New York.

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Simplest of Home Movie Cameras


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\section*{Here is a new Fostoria dehas just been "presented \\ } to society." Tall and graceful, these glasses come in lovely combinations: amber base with crystal bowl . . . solid crystal crystal base and green bowl . . . crystal base and topaz bowl. taria bowl. They lend distinction to any formal affair. Ask to see the new Fostoria stemware with the "Burr" stem.


OLD-TIME CHARM
Quaint as a hoopskirt, colorful as Andrew Jackson. . . the "Her mitage" pattern is a new Fostoria design, old in the traditions of Colonial "thumb print" glass. "Hermitage" comes in charming breakfast or luncheon sets . . . And in drinking sets (glasses, decanters, shakers). In 6 colors . . . all of them surprisingly inexpensive.


FRESH FROM PARIS
This new Fostoria "plateau" center-piece for flowers together with its companion candlesticks is very chic and very modern. It contains a shallow well in which shortstemmed flowers float. It is such a relief from those tall center-pieces that force your guests to play hide-and-seek all through dinner. This center-piece, at little cost, adds much glamour to any table.

STYLE MAKER


This lady, Mrs. Elizabeth H. Russell, Hostess Editor of "The American Home" says: "Nothing has added so much color and beauty to the dinner or luncheon table as the new vogue for glassware service. And the modern hostess who would be truly smart must have a complete glassware service . . . preferably in one of Fostoria's lovely patterns."

To get the smartest and latest information on table settings, both formal and informal, write for the interesting booklet, "The Glass of Fashion" . . . Fostoria Glass Company, Dept. HG-4, Moundsville, W. Va.


\section*{Health hints for your favorite flowers}
bud, if you want extra-fine blooms, Apply liquid manure. Cultivate. June \(15 \mathrm{Th} .-30 \mathrm{th}\). Spray with nicotine solution and a good germicide More watching for pests. More liquid manure. More cultivation.
JULY 1st.-30th. Don't overlook those pest and disease threats, and spray promptly if they appear.
july 15 th - -31 st . More bone meal. Dust with sulphur and arsenate of lead. Cultivate.
aug. 1st. -15 TH . Prune climbers whose bloom is over. Pick off and destroy yellow or diseased leaves. And -oh yes, watch for pests. Spray for bugs and disease. Cultivate.
aug. 15 TH .- 31 st . Those insect pests are still around; keep your eyes open. Cultivate. Destroy fallen leaves. Dust with sulphur and arsenate of lead. SEPT. 1st.-30te. Watch and spray. oct. 1st.-31st. Prepare beds for fall planting. Rake in lime.
Nov. 1st.-15TH. Scatter a little sulphate of iron around established plants. Spray with Bordeaux.
nov. \(15 \mathrm{TH},-30 \mathrm{TH}\). Set out dormant plants. Cover tender varieties. Hill up and put on manure. Cut back soft shoots to \(6^{\prime \prime}\).

\section*{PEONIES}

APRIL 1 ST. -15 TH . Remove winter mulch from over crowns of plants and apply sprinkling of bone meal. Do not disturb soil above crowns, lest eyes or young shoots be injured.
APRIL 15 TH .-30 TH. If soil is fairly dry, cultivate two or three inclies deep around plants, working in bone meal applied earlier.
MAY 1st.-15TE. Pinch off several of the weaker shoots in order to throw strength into others. Water thoroughly once a week if the season is dry. Place supports (wire ring held by three stakes).
MAY \(15 \mathrm{TH} .-31\) sT. Commence week ly application of manure water unless soil already has plenty of plant food. Disbud if you want extra-large blossoms. Keep soil well cultivated.
JUNe 1st.-30th. Continue regular watering during flowering time unless there is enough rain. When cutting, leave plenty of foliage to keep plants healthy all summer. If Rose bugs appear, jar them into a pan of kerosenc and let them perish m-i-s-e-r-a-b-l-y Continue weeding and cultivating. July 1st.-Avg. 31st. Do not cut foliage; it must be left all summer. Keep weeds under control; if drought comes, break it by heavy watering.
sept. 1st.-30te. Apply large handful of bone meal and wood ashes (equal parts) around each plant.
oct. 1st. -15 TH. Set out additional new plants. Consult good Peony hook for details of location, soil preparation, etc.
oct. \(15 \mathrm{TH} .-31 \mathrm{st}\). Cut off old stalks close to ground line, carry away and burn when sufficiently dry.

HARDY PHLOX
APRIL 15r.-30tH. As growth begins to show, scratch in bone meal around clumps. Divide three-year-old clumps and set out new plants. Soil should be well drained and thor-
oughly enriched with old manure ed and well watered in dry seasons. If red spider appears at any time, spray forcibly with cold water. For mildew, dust with flowers of sulphur when foliage is wet or spray with copper sulphate preparation.
july 1 st.-aug. 31st. Stimulate with liquid manure before flowering. Watch for red spider and mildew. Keep watered in dry weather and mulch with grass clippings. To prevent self-sowing (seedlings are often of poor color), keep old flower heads removed.
oct. 1st.-31st. Divide clumps that have been undisturbed for three years. Replant divisions. Set out newly acquired plants.

HARDY CHRYSANTHEMUMS
teb. 15 th --mar. 15 Th . Start forcing established plants under glass for cuttings. Take cuttings when shoots are about 4" high.
march \(15 \mathrm{th} .-31\) st. Remove mulches from established plants.
APRIL 1st.-30Th. Cultivate and feed with well rotted manure, bone meal and wood ashes when growth begins to show. Divide old plants and set out new ones. Be sure site is well drained.
may 1 st. -31 st. Keep up cultivation Water well if weather is dry. Set out rooted cuttings late in the month.
june 1st.-30tif. Pinch back tall sorts to induce stocky growth. Watch for aphis and spray with nicotine preparation. Set out rooted cuttings now
july 1st. until flowering timat Cultivate, feed occasionally with liquid manure. Spray for aphis. On no account permit soil to become really dry
oct. 1st. to end of season. Have light framework with plant-protecting cloth ready for night use when frost threatens.
end of flowering season. Cut off tops \(4^{\prime \prime}\) above ground. After soil is frozen, mulch with dry leaves or evergreen boughs.

\section*{DAHLIAS}

May 15 th - -31 sr . Plant individual tubers horizontally \(8^{\prime \prime}\) deep and 4 apart in loamy soil enriched with bone meal, wood ashes and leafmold. Set stout support stakes firmly before placing tubers. Cover with \(2^{\prime \prime}\) of soil and fill in gradually as shoots grow. Location should be well drained, natufally supplied with moisture, airy and preferably shaded during afternoon JUNe 1st.-15TH. Kcep down weeds, destroying them before they attain any size. If more than one shoot appears from any tuber, better pinch off the weakest,
JUNE 15 TH. -30 TH . Begin supporting the plants when \(15^{\prime \prime}\) high. Tie to the stakes with strips of cloth, allowing plenty of room for growth Cultivate regularly and water freely jULY 1st.-31st. Keep up regu lar cultivation and be sure the soi does not lack water. As the plants gain height, continue tying the main stalks to the stakes at \(11 / 2^{\prime}\) intervals. Do not allow any one plant to have more than eight or ten branches. Sup(Continued on page 92)


\section*{DUBOIS Woven Wood Fence}
is made in France from live-cut Chestnut saplings, specially cultivated for durability as well as rustic beauty. Dubois fences in a variety of styles and heights will give more than a generation of service without upkeep expense.


Dubors is wonderfully adaptable to bring seclusion and protection to the bome. Free illustrated catalog shous

DUBOIS Fence \& Garden Co., Inc. 101 Park Avenue, New York \({ }^{\text {D-1 }}\) I I Gentlemen: - Please send me free, illustrated catalog of "Dubois" views, price list and name of nearest dealer.
\(\qquad\)



\title{
GORHAM ster ting
}

Craftsmanship famed for 100 years
created these patterns...now the cost is from \(25 \%\) to \(33 \frac{1}{3} \%\) less

SHAMROCK V HUNT CLUB

- Etruscan, one of the best loved sterling patterns ever made. This is the pattern used by Mrs. William Lawrence King, Jr. Now six teaspoons for only \(\$ 6.50\). Illustration is four-fifths actual size.
- Fairfax is famous for its perfect expression of Colonial simplicity and charm. Mrs. J. Clyde Rogers is one of many prominent hostesses who own this lovely silver. Now six teaspoons cost \(\$ 6.50\).
- Shamrock V is a bride's favorite. It is beautifully proportioned and graceful. Shamrock is used aboard Mr. H. Edward Manville's sumptuous yacht, "Hi-Esmaro." Now six teaspoons cost only \(\$ 6.00\).
- Hunt Club, designed with modern simplicity, is the most sought after of any Gorham pattern of recent years. Used by Austin H. Niblack, Esq. M. F. H. of the Onwentsia Hunt. Six teaspoons cost \(\$ 7.50\) !

\(S^{I}\)INCE last year the price of all Gorham's sterling patterns, both flatware and hollow ware, has been reduced as low as \(331 / 3 \%\) ! Not in all history has this famous silver cost so little!

At these incredible prices you may now choose classic Etruscan, whose delicate beauty is based on the perfect proportions of ancient Greek design. Or lovely Fairfax, whose graceful Colonial lines harmonize equally well with any decorative scheme. Both are owned by many prominent hostesses.

You may have modern Hunt Club, proudly used by the Masters of Fox Hounds of some of America's great hunt clubs as well as in well-known private houses. Or, perhaps you prefer the new Shamrock \(V\), named in honor of Sir Thomas Lipton. Brides of the smart world adore this charming pattern so perfectly suited either to fine period rooms or simple apartments.

Whichever Gorham pattern you select . . . it has been created with the artistry and skill that have made the Gorham name famous for over 100 years.

Add to the distinction and beauty of your table now. Authorities in the business world agree that an increase in bullion prices may come this year.

Prominent Users of famous Gotham Sterling

MRS. GEORGE AUBREY ADAM
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MRS. PRICE POST
MRS. J. CLYDE ROGERS
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1 101 ,ike the moated castle of long ago, your home today demands protection from the "assault" of the curious and the vandal. But our modern demand is best answered by the strength and permanence of Cyclone Fence.
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\author{
Pacific Coast Division \\ STANDARD FENCE COMPANY OAKLAND, CALIF. \\ 
}

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COURTESY OF MRS. H. J. MCCRODEN

\section*{For the Dog Lover's Scrapbook}

When the late George Graham Vest, U. S. Senator from Missouri, was a young lawyer, he appeared as one of the attorneys for the plaintiff in a damage suit based upon the killing of a hound named "Old Drum". Here is his historic plea to the jury:
"Gentlemen of the Jury: The best friend a man has in the world may turn against him and become his enemy. His son or daughter that he has reared with loving care may prove ungrateful. Those who are nearest and dearest to us, those whom we trust with our happiness and our good name may become traitors to their faith. The money that a man has he may lose. It flies away from him, perhaps, when he needs it most. A man's reputation may be sacrificed in a moment of illconsidered action. The people who are prone to fall on their knees to do us honor when success is with us may be the first to throw the stone of malice when failure settles its cloud upon our heads. The one absolutely unselfish friend that man can have in this selfish world, the one that never deserts him, the one that never proves ungrateful or treacherous, is his dog. A man's dog stands by him in prosperity and poverty, in health and sickness. He will sleep on the cold ground where the wintry winds blow and the snow drives fiercely, if only he may be near his master's side. He will kiss the hand that has no food to offer; he will lick the wounds and sores that come in encounter with the roughness of the world. He guards the sleep of his pauper master as if he were a prince. When all other friends desert he remains. When riches take wings and reputation falls to pieces, he is as constant in his love as the sun in its journey through the heavens.
"If fortune drives the master forth an outcast in the world, friendless and homeless, the dog asks no higher privilege than that of accompanying him, to guard against danger, to fight against his enemies, and when the last scene of all comes, and death takes the master in its embrace, and his body is laid away in the cold ground, no matter if all other friends pursue their way, there by the graveside will the noble dog be found, his head between his paws, his eyes sad, but open in alert watchfulness, faithful and true even in death."


This color photograph was taken in a home in Forest Hills, Long Island. The Collins \& Aikman Carpet, in Tuscan red, marine blue and gray, was furnished and laid by R. H. Macy \& Co., New York.
broadloom effects in rooms of any size or shape - all these things are now practical with Collins \& Aikman Carpet.

Every day we get more requests for our illustrated booklet, which deals more fully with the decorative significance of this new carpet, tells of its durability and economy, of the ease of cleaning afforded by its dust-proof, moisture-proof back. We'll be glad to send you a copy, if you'll write to Collins \& Aikman Corporation, 25 Madison Avenue, New York City.

If Collins \& Aikman Carpet had been "just another carpet" when it was introduced two years ago, it would hardly have created such a commotion. But people possessed of decorative imagination quickly saw that here was a new decorative medium - and proceeded to get more and more stirred up about it.

They had good reason. Here was a new kind of soft, quiet carpet - one that was much more exciting than its cost would lead one to expect. Collins \& Aikman Carpet sells at the moderate price of the old-fashioned strip carpet that had
to be stitched together. But while it comes in 54 -inch widths, it never shows a surface marred by stitched seams when laid.

Sections are joined by a new process which gives an unbroken broadloom appearance. A new phrase has come into the language to describe the result. Collins \& Aikman Carpet is seemingly seamless.

Any number of colors may be combined, to give special effects such as the one in the photograph above, without the excessive cost of special weaving. Individual designs, inlaid crests and monograms, special borders - or plain-color


The New Lincoln V-8-Five-pasnenger Coupe


Years ago the Lincoln tradition was established - to make as fine an automobile as it is possible to produce. That ideal has never for a moment been lost sight of. It is stronger today than ever before.

The new Lincoln V-8 cylinder car measures up to the same high standards that have always governed the Lincoln. Like the V-12, it is built of
the best materials available by the most skilled labor. Advanced engineering, precision manufacture, carefuel testing of operations, characterize both cars equally.

The V-8 cylinder Lincoln is fleetlooking and richly furnished. Smooth abundant power from the 125 -horsepower engine, secure ease of driving, unusual riding comfort, with new
free-wheeling, synchronized gearshifting, remarkably soft but sure braking - such are only a few feartares of this new Lincoln.

Like all Lincolns of the past, the V-8 cylinder Lincoln is a modern motor car of balanced excellence that has been designed for your complete satisfaction. Prices of the new Lincoln V. 8 range from \(\$ 2900\) at Detroit.

\section*{THE GARDEN MART}

OOKS and PERIODICALS E GARDENERS' CHRONICLE suzine for lowers of line kardens. It rombines the style, which makes it a pleasure to read. Conto are familiar with the trials and tribulations of dening and, therefore, give you sound advice.
ry month it brings you nuthoritative, up-to-date formation. Enjoy its benellts by taking addantage
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aghly qualified for the positions to be filled, both 8 to their technical training and general trust-
orthiness. No member is recommended until his vorthimess. No member is recommended unt found
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GLADIOLUS MAIL AUCTION, ADr. 15 th, 50 finest varieties at your price. Send for list. Mt, Tabot
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25 BETTER IRIS. Including all types, specially pricea for spring planting. Fine healthy roots. Send

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FULL GROWN PLANTS-Flowered and unflow cred; unusually good subjects for the private con-
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VERY LARGE 2 year old plants, each with severa Flowering Crowns. Grown from cuttings and guaran
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1 NEW THOMSEN BLUE SPRUCE \(\$ 2.50\), Our own new marvelous introduction this yeur Never offered before. Bluest color ever seen in
Blue Spruce is our guaranty. Supply limited. OrBlue Spruce is our guaranty, Supply limited. Or der now while they last. 4-6 in. plants new \(^{2} \$ 1.2\) Hardy Jap Magnoila Soulangeana 6
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Why not have a Bartlett Associate inspect your trees-willingly-cheerfully, without any obligation whatever? Communicate with the nearest office, or send the convenient coupon below.
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Operating also the Bartlett School of Tree Surgery and the Bartlett Tree Research Laboratories

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New hybrids, of the Earlham strain-a notable advance on the ordinary commercial varieties. aller, more robust with flowers often 3 to 4 inches in diameter hung like fairy lamps along stout wiry stems. Easily grown-will live over winter with heavy protection.

Goldfinch-Bright yellow with small crimson blotches at center. 30 c each His Majesty-Deep velvety scarlet, shading down to James Coey-Deep, rich vermilion-scarlet with golden Lemon Queen-Creamy yellow; deep orange buds Mariorie-Orance yellow with crimson circle. 25 c each . 250 each Princess-Brilliant ruby-scarlet. \(\quad 50 \mathrm{c}\) each Queen Alexandra-Chrome-yellow, with carmine blotch at base of petals. 4 ft .
Una-lich apricot, with carmine blotch, \(21 / 2 \mathrm{ft}\). 35 c each each 1 each of the above 8 varieties \(\$ 3.00\)
3 each of the above 8 varieties 3 each of the above 8 varieties 7.75
6 each of the above 8 varieties 15.00
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Mixture of Earlham Hybrid Montbretias I doz.- \(\$ 2.50\) 100- \(\$ 18.00\) Mixture of Standard Montbretias 1 doz.- \(\$ 1.00\) 100- \(\$ 7.50\)
-and don't miss these new arrivals from the court of Beauty-

\section*{SUPREME COLLECTION OF 6 SUPERB NOVELTIES}

\section*{Tithonia Speciosa-The Golden Flower} of the Ineas-Imagine a full foliaged shrub-like plant standing 8 to 10 feet Viola Arkwright Ruby-A Pkt. \(\$ 1.00\) all, covered with blossoms like single ruby-crimson with lovely terra-cotta Dahlias of the most brilliant orange- shadings. Flowers as large as those of scarlet with tufted centers of gold. Eas- a good size Pansy. Perfectly hardy. ily grown from seed. Blooms from late summer to heavy frost.............Pkt. \(\$ 1.00\) Double Sweet Scented Nasturtium, Golden Gleam-Scented Nasturtium, der with medium slze white eye which Nasturtium of - introducing a from seed. Delphinium Iceberg-Pure white with Delphinium Iceberg-Pure white with hardy Primrose with Bright Eyes-New heavy spikes fully 20 inches long. Par- petals of rich yellow with bright waved ticularly effective in contrast with the eye.................................................... The Collection- \(\$ 3.50\)


\section*{GREEN PEAS (and lots of them) from JUNE} to AUCUST-if you know this secret! Late planted Peas are almost always a fall-
ure beause midsummer heat and lack of moisture invite rapid leaf growth without
providing an adequate root-system to maintain it. Arold this diffleulty by planting
all these 6 varieties at once and tet tif all these 6 varieties at once and

SCHLING'S "LONG SEASON" PEA COLLECTION
Sure to Give you Peas
All Season If Planted Early
Schling's Pedigree Extra-Early-Height, Gradus, or Prosperity-Height, 3 feet. Peas of dellicious flavor. Dwarf Champion-Height, \(21 / 2\) feet. An Improved Telephone-Height, 5 reet. Enormous pods, well
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\(1 / 2 \mathrm{lb}\). each of all 6 varieties, 3 lbs . in all \(\$ 1.75\) 2 lb . each of all 6 varieties. 6 lbs . in all 2.75
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The Book for Garden Lovers-a gulde to better gardens-35c the copy

\section*{Sullingst Seeds}

Madison Ave. at 59th St.
New York City

\section*{The grafting} of choice

\section*{evergreens}
\(\mathrm{T}_{\mathrm{HE}}\) scion, at the left in the picture, is ready for insertion on the stock, the stem of which has not yet been cut to receive it


A \(_{\text {Lmost every enthusiastic ama- }}\) teur gardener upon walking through his garden can feel the exhilarating atmosphere that hovers continuously about the evergreen bed. He also knows that Nature is very liberal in rewards even to the most painstaking labor, and enjoyable even in spite of the little tediums it includes. This, of course, every conscientious gardener realizes. For, whether we purchase a tree from a nursery or grow it from seed, there is always pleasure to be had watching it grow while in our possession. More often, though, there is greater pleasure to be derived from a seedling sown by our own hand and tended from infancy than from an orphan that is purchased from the nursery. Somehow or other it gets under our consciousness to see the little plants throw out their branches in spring, in full appreciation of the pains we have taken.
A tree from the local nursery is never fully beautiful until it has spent one spring with us and put on a new growth, while the seed is not half so precious as when it is beginning to germinate and sprout. It seems that the


Above, both stock and scion prepared for the joining; at the right, the graft completed and tied to hold it in place. When the union has grown together the stock is cut off just above it so that all the strength is thrown into the scion portion
greater change we effect for the bette the more prized is the object of this choice. So if a seed can hold us so deeply interested, what of a graft? Up to the present, seedling and cut ting methods were the only things that the amateur gardener has been able to feel elated over or to take pride in raising. But of late, there have been many amateurs who have had decided luck with grafting; the most interesting thing about the nursery.
Grafting usually means the union of two parts: the scion, which is made from a twig, and the stock, which is usually of the same species or a closely related one, from which the root system is to be developed. These are joined by the successful growing together of the cambium, or tissues, just below the bark film on the two pieces. This being a simple and interesting task, it can be quite easily accomplished by the amateur.
There are many others who, if they avail themselves of this opportunity, will see the very beautiful specimens that can be created. For it has been proven that not only can grafts be made in the nursery but even by the amateur at home.
To perform a grafting e periment at home, our equipment need only be a heated sun porch, or if lacking that, a warm room with a window, a grafting box constructed of wood six inches high, two feet long and any desired width, a sash (Continued on page 92)



\section*{Lilies for Spring Planting}

American garden lovers, who have been in the habit of planting their lily gardens in the autumn, will be pleased to know that they may now secure many of the finest lily bulbs for spring planting.
This has been brought about by the wonderful advancement made in the science of refrigeration, with the result that commercial florists have been growing them to bloom at any time of the year desired from bulbs taken from cold storage.

Special Offer-12 Beautiful Lilies for \(\$ 3.00\) Three Bulbs Each of Four Fine Varieties
Auratum - The Golden-rayed Lily | Magnificum-The beautiful pink of Japan.
Regale (Royal Lily) - The gem disspotted Lily of Japan.
Tigrinum (Tiger Lily)-A famous
lily widely grown in our country.
covered in the mountains of China.
Ail bulbs of good out-door planting size. Plant in April and May for Summer Blooming.

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\section*{Automotive Gear-Drive}

\author{
A Great Saving Feature
}


Sectional view of gear-drive "《 \(\frac{\text { dacobsen }}{\text { POWER MO WERS }}\)

Enclosed, precision-cut gear-drive running in oil is a feature of Jacobsen Power Mowers. They have no chains or sprockets. The "oil-floating" gears, found only on a Jacobsen, will give many years of smooth, quiet service after ordinary mowers have been worn out.

New 1932 "4-Acre" Mower Newly designed for easy handling and true cutting. Turns under its own power by mere pressure of a finger; cutting cylinder improved and made more durable; finely tempered blades; improved high compression motor with instantaneous mechanical starter. Rubber tires optional equipment.
New 32-inch Twin Mower A sensational mower designed by engineers whose achievements lead the power mower industry. It has worlds of power under perfect control; will climb a \(45 \%\) grade; easiest to operate, most tractable mower made.
 Gang Attachment increases its cut to 66 inches, or \(21 / 2\) acres an hour. The new " 32 " will solve your mowing difficulties for life. A boy of 14 can run it easily. Write today for our latest catalog.

If WHEEL AND ROLLER TYPE POWER MOWERS JACOBSEN MFG. COMPANY, 743 Washington Ave., Racine, Wisconsin


March suns have hardly warmed the soil, and the spring landscape is barely awake when the Magnolias burst into bloom. Any grounds may have this wonderful display for many weeks, for Magnolias thrive in open spaces, need little care, and are among our finest spring-flowering trees

\section*{Three Months of Flowers}

First comes the Starry Magnolia whose star-shaped flowers, as white as winter snows, mantle the trees before the leaves appear. The Saucer varieties (M. soulangeana and M. alba superba), Alexander, Yulan the Purple Lily, Lenne and the native Magnolias, carry the blooming period well into July.
The beauty of Magnolias is enhanced by the colors of Azaleas and Rhododendrons which bloom at the same time. This trio of springflowering trees and shrubs is described fully and pictured in natura colors in our catalog

Evergreens, Azaleas, Rhododendrons together with broad-leaf evergreens, flowering plums, hawthorns, Japanese cherries, rare shrubs and vines. A copy will be mailed free east of the Rocky Mountains (west of Rockies please send 50 cts . for catalog)

\section*{ BOBBINK \&ATKINS Rutherford ( New Jersey}

\section*{ALAGIAIN.AL ATATIN} A NEW
Ever-Blooming
Hardy
Chrysanthemum

\section*{AladaIIN}
\(\mathrm{B}^{\text {LOOMS }}\) of burnished copper and gold, ever increasing from late July to November, distinguish Aladdin from all other Hardy Chrysanthemums. Three or more glorious blooms, carried on long stems, make it brilliant in garden borders and masses. For indoor decoration the flowers are superb, lasting 10 days to two weeks after cutting. Aladdin has been awarded several gold medals, certificates, and cups as the best Hardy Chrysanthemum of recent years.

Strong plants, 3 -in. pots \(\$ 1\) each,
\(\$ 9\) for \(10, \$ 80\) per 100
6 plants at 10 rate, 25 at 100 rate
Send your order today to our Mr. J. M. Adie, and receive
our 1932 Catalogue with superb color picture of Aladdin, with list of flower and vegetable seeds, plants and garden supplies.


ALEAGIGIN....ALEA-4 ITIN

\section*{Jother GARDEN ROSES}


O L \(\quad\) Y \(\quad\) M \(\quad\) P \(\quad\) I \(\quad A \quad D\)
This is the sensational Rose of the decade, and the outstanding novelty for 1932. The scarlet flowers are beautifully formed with bright golden flashes at the base of the petals. This rich color is further intensified by a marvelous velvety sheen that renders the flower exceedingly effective especially in artificial light, with a scarlet glow of flame-like brilliancy. The buds are long and pointed, petals very broad, and the blossom is magnificent in every stage of development. Price: \(\$ 2.00\) each, \(\$ 20.00\) per dozen.
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\section*{TOTTY'S, MADISON, NEW JERSEY TOTTY'S, Desk F-4, Madison, New Jersey}

I enclose \$ for which send me_OLYMPIAD ROSES when ready for shipping. Send me 1932 catalog \(\square\)

\section*{The grafting of choice evergreens}

\section*{(continted from page 90)}
to cover it, peatmoss and understocks of the same species as the trees we wish to increase. The understocks can be purchased from the nursery already potted at a very reasonable sum.
To begin with, the graft case must be placed either on top of the radiator or in such a position that it will receive a moderate bottom heat. Next, a coat of well moistened peatmoss is applied to a depth of about 3 inches over the bottom of our graft case, and the understocks are watered well and then planted in this peatmoss. Here they can remain for about a week to develop root fibers until we are ready to make the graft, the best time for which is usually in February and March.
In selecting the scion, wood of one season's growth is preferable to older wood because unions with it are more easily made and the buds are more likely to grow.
For making grafts efficiently, a knife with a thin, stiff blade that will hold a keen edge is necessary.
The scion, \(3^{\prime \prime}\) to \(6^{\prime \prime}\) or \(8^{\prime \prime}\) in length, is prepared by cutting off the lower end diagonally with a single stroke of the knife, making a flat surface about \(11 / 4^{\prime \prime}\) to \(13 / 4^{\prime \prime}\) long. A corresponding cut is then made on the stem of the understock. This cut, of course, is made no deeper than the skin or bark. The scion is now ready to be placed against the stock. When we have done this we pull the bark that has been left hanging on the understock up over the exposed surface of the scion; held carefully with the thumb and forefinger and tied with strong cord and a light coating of paraffine applied. Care must be taken here that the cord is not pull-
ed too tightly, as the tender tissues are easily injured.
Immediately after the graft is made, it is laid in an inclined position, the grafted side upward. When all the evergreens are thus grafted, the cover of the graft box must not be taken off for at least two weeks, except that each morning it may be lifted about an inch and left so for a half an hour to permit the escape of foul air that accumulates within. The sash each day must be covered with some light cloth or paper when the sun's rays become too intense and threaten to scorch, but not so heavy as totally to exclude the light. It is usually applied when the temperature reaches \(80^{\circ}\) inside the box A night temperature of \(60^{\circ}\) in the grafting case is desirable, while a temperature of not over \(90^{\circ}\) is permissible during the day. Watering should be done every three days.
After three or four weeks the scion bud will be sprouting and part of the top of the stock may then be cut off in order to divert the growth gradually to the scion. At this time the temperature need not be so high, as the cambium tissues will have begun to heal and are about ready to be placed in a cooler atmosphere to harden.
With the coming of the warm weather, the grafts may be placed outside, shade afforded and precautions taken against draught. By the time summer has arrived, the soft growth that was made in the graft box will be already hardened and able to stand the intense heat of the sun. After these grafts have survived the first season, they are treated like any young evergreen.

John Nicholas Mangels, Jr.

\section*{Health hints for your favorite flowers}
port these with cloth strips leading to the stake. If buds appear, nip them. avg. 1st.-31st. Disbud for better flowers, nipping off the two outside ones from every group of three buds when about the size of peas. Before flowers open, break off small shoots at stem joints of flower stalks, except those at lowest joint.
SEPT. 1 st ,-oct. 15 th . Some time during this period the plants will probably be killed by light frost and their beauty suddenly ended for the year. When this occurs, wait two or three days and then cut off the stalks just above the ground. Pull out the stakes carefully. Get a second digging fork and a helper to use it. Man the forks, one on each side of the root clump, drive in deeply and lift together to avoid breakage of tubers.
Turn clumps upside down, soil still adhering, to drain water out of stalk butts. At night, bring them under cover to dry. Store in a dry, cool cellar (ideal temperature \(40^{\circ}-50^{\circ}\) ). Recommended covering materials are dry sand and peatmoss.

\section*{GLADIOLI}

APRIL 15 TH . If soil is reasonably dry, select sunny, well drained spot and spade or plow \(10^{\prime \prime}\) deep, removing all stones and breaking up clods. Slightly acid soil, light and moderately rich, is best.
may 1st. Make first planting, setting bulbs \(4^{\prime \prime}-6^{\prime \prime}\) apart and about \(5^{\prime \prime}\) deep. Dig bone meal into soil below them. Fill in \(2^{\prime \prime}\) after planting, firm down, and complete filling with loose soil. For exhibition flowers, plant \(12^{\prime \prime}\) apart, \(3^{\prime \prime}\) deep.
MAY 15 TH . Make second planting, for succession of bloom.
June 1st. Make a third planting. Cultivate and water first planting, if weather is dry. When first planting is \(6^{\prime \prime}\) high, give top-dressing of bone meal and wood ashes.
june 15 th .-july 1st. Further succession plantings. Fertilize earlier plantings as directed previously.
july 15 th . Begin staking tallest plants, especially if exposed to wind. If grown in rows, stretch heavy string \(2^{\prime}\) above ground on each side of row for support. Keep up cultivation. Fertilize first planting again. When watering, add weak manure water.
aug. 1st.-sept. 30 th . Cut flower stalks when lowest bud opens. Leave two or three lowest leaves so that bulb can ripen properly.
oct. 1st. As a rule, this is the best time to begin digging, but remember that at least six weeks are required for ripening in the ground after flowers are over. Cut off tops close to bulbs, place the latter in a shady, airy place for a week, then let them dry in the shade for two weeks before storing in cool, frost-free cellar.


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should be spread several weeks in advance of the seeding and harrowed in sufficiently to kill the weeds that will have generated. The best and least expensive pre-seeding fertilizer is super phosphate, at the rate of 16 pounds to 1000 square feet. Seed should be bought only of a reliable house that will advise in selecting for different sites and soils-matters that can be studied up in this little book. But for the real gardener who can wait a year there is a delightfully interesting chapter to tell how he can grow his own grass, of the very best kinds, as plants that will soon spread and give the very best kind of sward; it is this method that must be employed in the South. But if there is any lawn at all to start with, it is better to fertilize and encourage it than to dig it in and remake it completely. The weedless formula is arrived at by mixing equal parts of sulphate of ammonia, superphosphate and muriate of potash, which is applied at the rate of 17 pounds to the 1000 square feet. Lime should be used only when it is thought necessary to increase the calcium and magnesium content of the soil or to correct acidity; but, it should be noted, only blue grasses prefer alkalinity, while bents like acid conditions and fescues want conditions that are slightly acid.
For removing weeds there are various devices. The troublesome chickweed, if not raked out in order to reseed the scar, should have ammonium sulphate dusted on the leaves and then, after twenty-four hours, the dusted area should be heavily sprinkled, or five pounds of arsenate of lead might be applied to every thousand square feet. Against crab grass, however, there is no medicine; it must be raked out before it goes to seed and the area must then be top dressed with loam and good seed. Larvae of the June beetle and of the Japanese beetle are killed by applying, in the spring, arsenate of lead at the rate of 5 pounds to 1000 square feet.

English Decorative Textiles, Tapestry and Chintz. By W. Gordon Hunton. London: John Tiranti and

Everyone interested in decorative textiles will welcome this valuable addition to the all too scanty literature on this intensely interesting subject. The text is brief, \(71 / 2\) pages, but offers an excellent digest. The Bibliography of Works Consulted fills another page, and the book itself consists of 180 illustrations, both rare and familiar. On the whole, the examples illustrated are well attributed as to period or date, but the common tendency to antedate all antiques has not been completely avoided. One precious scrap of chintz, which an earlier writer classes as Queen Anne, is here classed as 18 th Century, while another authority-better in our opinion-dates it as Victorian. But, as this writer says, an adequate survey of what has been done in England "in printed stuffs since the middle of the nineteenth century would be a tremendous task," and as much may be said for the work of the first half of that Century, before The Great Exhibition of 1851 put all English craftsmen on their mettle.
Many of the illustrations in this
fascinating picture book are from the collections in the Victoria and Albert and The Metropolitan Museums; a few are from private collections, and due acknowledgement is made to "the works" whence the chintzes issued whenever their source is allocated.
In fairness to our own knowledge of this subject, we must also note that frequently a chintz is said to be printed from an engraved roller, when actually printed from a copper plate, and is claimed for wood blocks when also printed from plates. Even museums are not scrupulously careful in noting these facts but if noted at all we fee they should be accurately noted. Nevertheless the book is welcome and de lightful. Everyone interested in chintz and all who study tapestry, will receive it eagerly
The tapestry examples cover the sequence of English tapestry weaving quite well, and include many interesting heraldic panels and those alluring old tapestry maps of the English Counties, three of which are from the Yorkshire Philosophical Socicty and two from the Bodleian Library, Oxford. There are only 58 tapestry illustrations, the bulk of the book being given to printed fabrics, 12 of which are William Morris fabrics, interesting as documents but of little account in the actual development of English chintzes and cretonnes. The book is so fascinating, it is hard to lay it down

Colotr in Interler Decoration. By John M. Holmes. New York: Charles Scribner's Sons.
\(T_{\text {He author }}\) is "Lecturer in Decoration at the Architectural Association School of Architecture, London." The "u" in the first word of the title advises us of the British origin of the work, so that we Americans are prepared to understand the statement in the "Foreword" that "We get so little sun that the possibility of some compensation in colour should be explored. Colour can give much that our climate lacks and if it cannot replace sunshine it can at least provide brightness and cheer."
This reason for the employment of color in Great Britain is the direct opposite of the reason given by the great Egyptologist, Maspero-or was it Perrot and Chipiez?-that the vivi coloring used by the ancient inhabitants of the Nile valley, both on the exterior and interior of their buildings, was necessitated by the intensity of the African sunlight-the great god Ra shining in resplendent glory at midday However, devotees of color wil probably agree with these divergent reasons for its use, and Mr . Holmes has treated the very difficult subject of color in an able way. If somewha technical, this is necessary for the presentation of such a highly technica subject as the use of color in interiors but the book gives interestingly a well arranged and concise presentation of the subject with many color plates The use of gray, that color of infinite variety and complication, is gone into quite thoroughly. There is much in formation and valuable suggestion for designing and carrying out color schemes for interiors, also illustrated.


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\section*{The garden scrap book}

Japanese beetle control. From a recent issue of Horticulture, that excellent magazine of the Massachusetts Horticultural Society, we quote a letter written by Charles H. Landreth and urge widespread trial of the experiment it describes,
"Last summer," writes Mr. Landreth, "a large seed establishment conducted tests at Bristol, Pa., in the heart of the area infested with Japanese beetles, with the result that a new and natural control was ascidentally discovered. A short distance away from the main flower trials, a planting was made of Ricinus, the Castor Bean. The Castor Bean has a showy tropical appearance, singly or in groups. It is a tender annual and valuable for screens, as it grows about fifteen feet tall and about seven feet wide. From it is derived castor oil, only too well known by children. The Ricinus sanguineus and \(R\). zanzibarensis are the best
"It was soon discovered that the Japanese beetles left the flowers and swarmed over the Castor Beans, eating the large leaves. These plants, however, cause slow but sure death and great piles of beetles were swept up from under them each morning. Hundreds of beetles constantly swarmed about the plants of the tropics and met destruction. This is a most useful discovery, as a ten-cent paper of Castor Bean seed planted a
short distance away from a garden will help solve the Japanese beetle question in a natural and economical way. Incidentally, it was noted in the tests that the beetles desire light colored flowers to feed upon."
\(F_{\text {OR }}\) soil condition. In considering the soil of any garden, whether devoted to flowers, vegetables or small fruits, there are two factors which bear definitely on the size and quality of the yield: physical condition, and the kinds and amounts of plant foods which are present in "available" form, or in such form that the roots can absorb them. Ideal garden soil is light and moisture-retentive, without being soggy; it contains plenty of disintegrated vegetable matter or humus, and is easily penetrable by small roots. On the chemical side, it contains adequate amounts of nitrogen, phosphorus and potash, the most important of the necessary plant foods.

Of these two general conditions, the latter is quite easy to provide, in case deficiency is present; all one needs to do is buy the right kind of fertilizer and apply it in the right way at the right time. Improving the soil's physical condition, on the contrary, often involves a good deal of time, material, labor and consequent expense. Were it not for the opportunities provided by cover crops, many of us would have to (Continued on page 96)

\section*{BIRLS}


Joseph H. Dodson - America's foremost bird authority - will help you attract, care for, and enjoy the beneficial song birds.
Their cheery songs and interesting habits are a constant source of delight to grownups and children.


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try lice. Just paint roosts lightly as directed, and fumes will do the work. Sold by



\section*{The garden scrap book}
get along with the soil as we happen
to find it.
Briefly stated, a cover crop is merely a planting of some quick-growing, it has covered the ground with its rank stems and foliage, is dug or spaded under so that it can rot away and add humus as well as actual plant food (chiefly nitrogen) to the soil. Rye, Vetch, Soy Beans and Field Peas are excellent for this use. On ordinary garden areas that are worked by hand one of the standard types of Cow-peas is as good as any.
Cow-peas are sown three or four inches deep in rows a couple of feet apart, early in May. By midsummer they will be coming into flower, and this is the time to cut them down and turn them into the soil with a fork or spade. By the following spring they will have rotted away and you will find that, whether your soil was too sandy and gravelly or too heavy with clay, its consistency will be decidedly improved. Thus, for an outlay of perhaps twenty-five cents for seed, you will have obtained many pounds of extremely useful "green manure.'

Lily seed results, Gardeners who like to try experiments will be interested in the experience which Mrs. Julian Armstrong has had with grow-
ing Lilium philippinense formosanum from seed at her home in Illinois. Mrs Armstrong writes us as follows:
"We bought a fifty-cent packet fifty seeds of this Lily. These were planted February 5 th in the greenhouse and all germinated but remained unattractive looking little seedlings until they were planted out late in May in a spare bed which contains several experiments that my gardener regards with disfavor.
"This despised bed, which is rather stony clay, near a voracious Oak tree, I liberally fed with several different kinds of commercial fertilizer, beginning with Vigoro at one end, milorganite in the middle and ending with bone meal at the other. Owing to the excessive heat and dryness of the season, I watered this bed as often as I pleased, and as much as I pleased, in spite of persistent opposition and advice.
"The result was a triumph! A vindication! Philippinense Lilies were like Easter Lilies. The leaves were a little greener and more attractive in growth but the shape of the flower was nearly the same, a trifle more geometrical and not so rounded. The scent was delicious in nearly all. Each and every plant flowered. Starting in late August when the flowers came one or two to a stalk, they bloomed pro-

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\section*{The garden scrap book}
fusely with four or five to a stalk in early and mid-September. The plants that had been cut sent up one side shoot each, which in many cases flowered more heavily than the first spike. In late September we lifted many of them and potted them up for the greenhouse and have had one or two coming along all fall. In fact, in my living room I have one last spike with five blooms now, two days after Christmas. This is a record for seedling Lilies as far as I can find out.
"My gardener put one row of these Lilies out with other young plants which he insisted needed very little watering. He got no blooms at all.
"The ducks nibbled the tops off about a quarter of mine once during the summer and the St. Bernard lumbered across them several times, but it seemed to make no difference in the end. They did beautifully-as well as the most expensive harrisonii bulbs have ever done in our greenhouse."

Feeding asparagus. One of the secrets of success both in starting and maintaining an Asparagus bed is abundant soil fertility. The plants are voracious feeders and make such a heavy growth of roots as well as tops that only continued rich diet can replenish the supply and keep them at their best. If this is provided the bed should yield abundantly for many years.

In the original making of an Asparagus bed it is well to tramp down several inches of manure in the bottom of the trench, upon which three or four inches of good top soil enriched with ground bone are spread as a base on which the long-rooted crowns are set. The balance of the filling should be done with good friable top soil in which a generous amount of humus and raw ground bone has been mixed.
Besides this initial application, the planting should be given additional food early each spring, before growth starts, and again in the fall. Various forms of manure are used successfully for this, since their beneficial chemicals are readily carried down to the roots by the rains. The dried, pulverized forms are the most concentrated and the easiest to handle. An excellent combination, embodying both nourishment and humus-making matter, is peatmoss thoroughly compounded with special seed-free cow manure. This is sold dry in bags. All applications should be scattered on the surface and raked in lightly.
It takes two or three years to get a new Asparagus bed bearing heavily. During this period only very moderate cutting of the young stalks is allowable. Even after the planting is fully established no cutting should be done after the middle of June, for many stalks must be left to ripen.


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\section*{IT'S ON PAGE}

\section*{AUTOMOBILES \& ACCESSORIES}
\begin{tabular}{lr} 
Auburn & 3 \\
Chrysler Corporation & Facing 8 \\
Hudson & Facing \\
16 \\
Lincoln & Facing 89 \\
Nash & 83 \\
Packard & Facing 80 \\
Pierce-Arrow & Facing \\
Studebaker & 77
\end{tabular}

\section*{BUILDING MATERIALS}

\section*{House Building Materials}
* Anaconda Copper, Brass \& Bronze Products
*Celotex Insulating Board
6, 10
*Johns-Manville Home Insulation
Libbey-Owens-Ford Quality Glass 82
*Sherlin Pine
House Building, Misc.
*Hodgson Houses

\section*{Heating \& Plumbing}
*Anaconda Metal Tanks
Bryant Automatic Gas Heating
*Kohler Bathroom Products

\section*{Roofing \& Shingles}
*Johns-Manville Salem Roofs

\section*{Window Glass \& Screens}
*Anaconda Bronze Screens
Libbey-Owens-Ford Quality Class 82
*Rolscreens

\section*{CIGARETTES}

Lucky Strike Cigarettes Back Cover

\section*{DIRECTORY OF DECORATION} \& FINE ARTS
Baphé Garden Furniture
\(\dagger\) Charlotte Furniture Co.
*Childhood, Inc.
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*N. Y. School of Interior Decoration
*Pitt Petri, Importer
*Sack, Inc.
Vogue's Book of Etiquette
Vogue's Book of Smart Service
†Whitwell Wall Papers

\section*{FOOD PRODUCTS}

Campbell's Soup
Whitman's Chocolates

\section*{GARDENING}

\section*{Garden Furniture, Fences \&}

\section*{Decorations}
*Anchor Fences
\({ }^{*}\) Cyclone Fence
*Dodson Bird Houses
*Dubois Rustic Fence
*Hodgson Garden Furniture, etc. 21

\section*{GARDENING (Cont.)}

Garden Furniture, Fences \&
Decorations (Cont.)
*Jackson's Garden Features of
Stone \& Marble
*Stewart Fences
Seeds, Bulbs \& Nursery Stock
*Aiken's Hardy Ferns
*Amawalk Nurseries
* Arcadia Rose Co.
*Bobbink \& Atkins Magnolias
*Breck's Chrysanthemum
*Bristol Nurseries
* Conard-Pyle Star Roses
*Dahliadel Nurseries
* Dedham Nurseries
*Dreer's Garden Roses
*Fertil-Potted Roses
*Horsford's Lilies
*Johnson's Water Gardens
*Kelsey-Highland Nursery
17 *Kelsey Nursery Service
*Koster's Rhododendrons
*La Bars Rhododendrons
*McCullough's Grass Seeds
6
\(18 \quad\) *Rose Valley Nurseries
*Schling's Bulbs \& Seeds
*Schling's Bulbs
*Smith's Dahlias
*Stumpp \& Walter Lilies
*Sunset Gardens
*Totty's Roses
*Tricker's Water Lilies
*Wayside Garden's Hardy Plants

\section*{Gardening, Misc.}

Black Leaf " 40 "-Insecticide
Hammonds Slug Shot Insecticide
*Peat-Moss Driconure
*Wilson's O.K. Plant Spray
*Wilson's Scale-O
96

Lawn-Mowers \& Water Systems
*Coldwell Lawn Mowers
*Double Rotary Sprinklers
93
*Jacobsen Power Mowers
*Lawn Boy Mowers
*Milbradt Power Mowers
*Moto-Mowers
*Myers Spray Pumps
Tree Experts
*Bartlett Tree Experts
HOUSE FURNISHINGS
China, Pottery \& Glass, etc.
\(\begin{array}{ll}\text { Dunbar Glassware } & 84 \\ \text { *Fostoria Glassware } & 86\end{array}\)
*Yamanaka Oriental Glass 94

\section*{Cold Preventative}

Listerine
75
Drapery \& Upholstery Fabrics
Celanese Decorative Fabrics Schumacher, F., \& Co., Fabrics
*Thibaut Decorative Fabrics

\section*{Floor Coverings}
*Claridge Seamless Carpet Facing 17
* Cochrane Rugs Facing 100

HOUSE FURNISHINGS (Cont.)
Floor Coverings (Cont.)
*Collins \& Aikman Carpet Facing 88
*Ozite Rug Cushion 15
Furniture
Danersk Furniture
18
Household Textiles
Stevens Spreads Facing 81

\section*{Interior Decorations}
*Jackson's Period Lamps in Metal 17
Kitchen Equipment
*General Electric Refrigerators
*Monel Metal Sinks Facing \(\begin{aligned} & 1 \\ & 5\end{aligned}\)

\section*{Silverware}

Gorham Sterling Silver
*Treasure Solid Silver

\section*{Wall Coverings}
*Salubra Wall Covering
Strahan Wallpapers
Thibaut Wallpapers
*Wall-Tex Fabric Coverings
Facing 9

\section*{JEWELRY \& GIFTS}

Ciné-Kodak Home Movies
Gorham Sterling Silver
"Treasure Solid Silver
Yamanaka Oriental Importations 74

Mantels \& Fireplace Equipment
*Jackson's Mantels \& Fireplace Equipment

DIRECTORY OF
DECORATION \& FINE ARTS 12-13
THE DOG MART \& POULTRY YARDS

Pages

19-21

Hodgson Stock Houses
THE GARDEN MART
REAL ESTATE
22.23

SCHOOLS \& CAMPS
14
SHOPPERS' \& BUYERS' GUIDE 15

PUBLISHERS, BOOKS, ETC.
Vanity Fair Book
28
TELEPHONE SERVICE
ARRANGEMENTS
American Telephone \&
Telegraph Co.
TOILET GOODS
Listerine
75

23-29
Pages
, 7
All Year Club of Southern California
Bellevue Stratford Hotel
*French Line
*Great Northern Ry.
Facing 25
*Great Western \& Southern
Rys. of England
*Hollywood-Roosevelt Hotel
Wassco Line
*London, Midland \& Scottish Rys. of Great Britain
*London \& North Eastern Ry. of England \& Scotland
* Matson Line
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*Railways of France
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*Soviet Russia
* Swedish State Rys.
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