When nights are cold

Motor oil must flow. And Texaco does. Freely. Instantly—the second your starter goes into action. In cold weather many motor oils turn thick as grease the moment your engine cools. They lag in the oil leads, leaving bearings and cylinder walls unprotected. For whole seconds these "dry spots" grate and grind and chafe each other. Not so with Texaco Golden Motor Oil. Clean and clear—as pure as it looks—free of all cold-sensitive impurities, Texaco flows and lubricates at all temperatures. Even at zero—and lower—Texaco flows—and lubricates.

Change today to the proper grade of Texaco Golden Motor Oil. Stop wherever you see the Texaco Red Star with the Green T. While you are there be sure to try the new and better Texaco—the true high test gasoline at no added price.

TEXACO

GOLDEN MOTOR OIL

THE TEXAS COMPANY, TEXACO PETROLEUM PRODUCTS
When you use a smart figured wall paper

In this charmingly conceived room the decorator has chosen a soft satin for the valance and side-curtains — to contrast pleasantly with the smart modern wall paper. And as a crowning touch to the beauty of the window, Judd Decorated Bluebird Extending Rods in Gray Armor finish were used.

You, in your home, can also give a decided air of elegance to your window drappings, of whatever type they may be, by using these famous rods. They are used by leading decorators everywhere. And you can be sure that whichever model you choose is fully authentic in style, is well and sturdily made, and is fully extending. Inquire for Judd Decorated Bluebird Rods at your favorite department, furniture or hardware store, or write direct to us and we will see that your needs are filled. H. L. Judd Company, Inc., 24 West 40th Street, New York City.

Write today for a free copy of our new booklet “Suggestions for Beautiful Windows.” It contains a more complete description of this beautiful window and is fully illustrated with photographs of many other actual window treatments which you can easily develop with Judd Rods and Fixtures.
DJEDI... Le parfum moderne

A century ago Pierre Francois Pascal Guerlain began to make perfumes in the shadow of the Arc de Triomphe... Today, Gabriel Guerlain, his sons and his grandsons create perfumes for the smart international set who mirror the mode of 1929.

The sweetness of those flowers odesurs the Empress Eugenie loved... the sorcery of the Orient that swept Europe with the advent of Jicky... a new era heralded in gorgeous Shalimar... thus Guerlain, supreme interpreter, poured the soul of each succeeding age into his crystal flacons.

Today and tomorrow... there is DJEDI, le parfum de l'esprit moderne. Disturbing as the new art. Subtle as the restless modern mind. Created by Guerlain for women who are essentially of the period.

GUERLAIN

PARIS•68 CHAMPS ÉLYSÉES - MONTREAL•60 CRAIG ST. W. - NEW YORK•578 MADISON AVE.

GUERLAIN PERFUMES ARE BLENDED AND SEALED IN PARIS AND SOLD ONLY IN THE ORIGINAL BOTTLES
New
Cretonnes

Hand-Blocked
Linens and
Chintzes

that bring into the home the ex­
hilarating charm of fields riotously
abloom, or of cool, well-ordered
gardens. Distinctive—in many in­
stances exclusive—patterns chosen
with care from the best European
and American looms for persons of
discriminating tastes.

Upholstery Fabrics
Fourth Floor

Consult Altman Decorators now on
your plans for Spring draperies and
upholsteries—so that they will have
time to design and make them in
perfect accord with your wishes.

Decorators—Seventh Floor
Many a lovely face will be made lovelier by this new aid to beauty . . . a Lenthéric powder fragranced with the triumphant radiance of Parfum Asphodèle . . . Technically, it is a superb powder—a beauty-creating powder . . . soft and smooth as a perfumed mist . . . so soft and smooth it seems a miracle that it can cling so cleverly and so long to a lovely cheek. Then, it is Asphodèle—not an inferior copy of this supreme odor. Poudre Asphodèle echoes sweetly, clearly, decisively the golden warmth, the tropic sweetness of Parfum.
It Wasn't Like This

In the Old Clipper Days!

That was when men labored at lawn-mowing — pushing along at the old grass-cutting grind, and every daisy making a strange disturbance within the works. Now — What a difference! What a movement! Just like your first roller bearing skates — you buzz along at the same breath-taking clip, keeping up with yourself only by a miracle. This is a virile, a vigorous grass cutter — flower of a new race of Super-Lawn-Mowers.

The Supre-Macy Lawn Mower, $24.24

Wheels and blades running on roller bearings, insuring smooth, swift action. 17 inch crucible steel knives. Ash handle double braced. Wheels 11-inches high. Guaranteed for 1 year against defective parts.

Macy's

34th Street and Broadway, New York
Tempers Modernity with Feminine Grace

If you have associated the term "modernistic" with bold patterns and clashing colors—consider this smart bedroom which lives up to the gay and animated spirit of the day, yet which is also so dainty that it would be an ideal apartment for a young girl.

It owes much of its inspiration to the unusual Waverly chintz chosen for the draperies, which follows the Viennese style of modern decor—emphasizing grace and lightness.

Upon a bisque background the design, in tones of green, gold, blue and apricot, trails its bright course. This is hung over glass curtains of pale green gauze, softly lustrous. A chaise longue is covered with the same chintz.

For contrast, the dressing-table is draped with a latticed Waverly Print, which carries out the same color scheme, with shaded stripes of green on gold. This is also used for the smart oblong lampshade, and the bands on the pastel green bedspread.

The two fabrics are combined to make an ultra-smart closet—with the floral chintz used for the garment bags, and the latticed design for the hat boxes, stocking boxes, and lingerie drawers.

See this delightful design at your dealer's, and you will realize how adaptable it is. The orchid and green grounds make equally charming bedrooms, and with a black or peach background it is stunning for livingroom draperies.

Waverly Fabrics are sold in dry goods, furniture, and department stores, at prices ranging from fifty cents to a dollar and a half a yard.

Send 10 cents for samples of these and other new designs.

Address: Waverly Fabrics, Dept. 31
60 W. 40th Street New York City.

Waverly Fabrics
A SCHUMACHER UNIT
Antiques that Graced
A London Guild Hall in 1775

When the Grocers' Guild in 1775 ordered these fine, sturdy chairs for their great hall, little did they dream that the year 1929 would find them still ready for service and enjoyment. Yet here they are—a dozen of them—in the antique collections of Lord & Taylor, where with the beautiful Sheraton sideboard illustrated, they form part of a great assemblage of rare antiques, rich in historic charm.

EIGHTH FLOOR

Lord & Taylor
FIFTH AVENUE   NEW YORK
In her Beautifully Appointed Town House

Mrs. ROBERT R. MCCORMICK

has these Luxurious
Mattresses and Springs

ELEGANCE and luxury characterize the Chicago home of Mrs. Robert R. McCormick. Each smallest detail has been exquisitely thought out, from the Chinese brocades that hang in the entrance hall to the marvelous Aubusson rugs richly carpeting the floors.

There is an entire Adam room which came intact from England, and the garden was done by Vitale, who makes those charming Chinese shadow trees of iron.

And for this house of treasures Mrs. McCormick chose these most luxurious mattresses and springs—the damask covered Simmons Beautyrest Mattress and Ace Box Spring!

In this bedroom, done in the French and Venetian manner, their rose damask covers blend beautifully with the rose and apricot hangings. Mrs. McCormick, who is delighted with them, says:

“T can’t say enough in praise of these buoyant Beautyrests and the new Ace Box Spring. They are the last word in comfort. The rose fits the color scheme of the room perfectly, and completes the harmony of color and comfort.”

In furniture and department stores, Simmons Beautyrest Mattress, $39.50; Simmons Ace Box Spring $42.50; Simmons Ace Open Coil Spring $39.75; Simmons Beds $10.00 to $90.00, No. 1551 $32.75; Rocky Mountain Region and West, slightly higher. Look for the name “Simmons.”

The Simmons Company, New York, Chicago, Atlanta, San Francisco.

Already, 655,487 Beautyrests in American homes

Every 54 seconds, one more Beautyrest in someone’s home!

These records are for the U. S. only
This new paneled room in the early Georgian manner at the Hampton Shops perfectly exemplifies the type of interior it is the particular province of the Hampton Decorators to create. Every detail is full of interest: the mantel, the carvings in the Grinling Gibbons manner, the plaster ceiling, the Venetian glass chandelier—and most of all, the handling of the knotted Oregon pine in the paneling...

Will you not visit this lovely room at the Hampton Shops?
Styled to the newest vogue in custom design...

No other fine car is quite like the new Dodge Senior. No other could be! Only the engineering genius of a Chrysler, coupled with the manufacturing proficiency of Dodge Brothers could achieve such all-comprising luxury at so moderate a price. Here is a motor car that is smart, spacious and versatile. Artistically, it is styled to the newest vogue in custom design. Mechanically, it embraces Walter P. Chrysler's latest advancements. Keyed to every modern need of traffic and travel, it performs with sparkling agility. Unique in its Chrysler quality and Dodge Brothers dependability, the new Dodge Senior is a value unsurpassed even by cars costing much more.

NEW DODGE SENIOR
The Dignity and Quiet Elegance of the Georgian Style—Perfectly Reflected in Kensington Reproductions

The passing of the Baroque and Rococo styles, by which the Renaissance movement was submerged, was marked in England by a return to the classic under the influence of the architects, the Brothers Adam, shortly after the middle of the 18th Century. An example of the early work of this period is seen in the magnificent sideboard in our illustration, flanked by the chairs of Chippendale whose extraordinary individual ability triumphed over the difficulties of an inferior style.

In every detail of design and execution this piece represents the highest expression of present day craftsmanship and may be compared only with the work of the 18th Century English masters when the art of cabinet-making reached its apogee. In it are perfectly reflected the dignity and quiet elegance of the Georgian style that make it pre-eminently the choice for the important dining room.

The same sincerity in design and equal quality in craftsmanship characterize all Kensington Furniture; and Kensington Furniture is made in all the decorative styles appropriate for American homes.

The purchase of Kensington Furniture may be arranged through your decorator or furniture dealer. Write for illustrated booklet H and pamphlet, "How Kensington Furniture May Be Purchased."
There is a finer touch to the operation and control of the new Nash “400.” Perfect confidence, even in severe traffic, is yours. Nash brakes stop the car comfortably, instantly. Gears shift smoothly, noiselessly. Clutch pedal yields to the lightest pressure. You’ve never driven an easier car to steer and park. Drive the new “400,” and then you will know that, here indeed, is the World’s easiest car to drive.

NASH LEADS THE WORLD IN MOTOR CAR VALUE
How can I make my own living-room more inviting?

A RECURRING problem is to improve your living-room. Home activities center there... comfort is essential. Friends and guests assemble there... dignity and charm are necessary.

Do you wonder why you tire of your living-room...?... feel the urge for some noticeable change? Look to your furniture. Nearly every early American home had pieces, sometimes of heirloom value, always in good taste, and always gratifying.

In Kittinger Furniture today you find only pieces and suites of heirloom quality and value. They never become tired, some... never need replacing. Their design is authentic... their durability and good appearance unquestioned.

Kittinger Distinctive Furniture... there are over five hundred pieces... is specially designed for practical value and reasonable cost in furnishing every room... in the home.

The unusual value of Kittinger Distinctive Furniture lies not only in the design but in the practice of using only solid woods... American Walnut, Honduras Mahogany, Oak and a few in Maple, with hand-carvings and superior lacquer finish.

We are opening New Showrooms in New York City and Los Angeles

Now you may see in these displays the many Kittinger Distinctive reproductions. In New York City, about March 1st, at 205 East 44th St.; in Los Angeles at factory on Goodrich Blvd., corner of Union Pacific Avenue, about April 1st.

Purchases may be arranged through your dealer or decorator.

You will be interested in several booklets on Kittinger Distinctive Furniture for Home, Club, Hotel, or Executive Office. A copy with names of dealers in your locality will be sent on request. Kittinger Company, Dept. 49, Elmwood Ave, Buffalo, N.Y.

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Why a Dowel?

Kittinger Distinctive Furniture is made only of solid woods with scrupulous attention to details and thoroughly sound construction. The use of special ground maple dowel pins, thoroughly glued and then squeezed in place under pressure, gives assurance of a perfect joint—stronger than the wood itself.
The Sheffield Suite now displayed by leading furniture dealers everywhere.

The selection of the Sheffield, from a varied and splendid assortment of Berkey & Gay bedroom suites, by the Sterling & Welch Studios shows that furniture styles and beauty are now well within the means of the average family.

This charming suite is Hepplewhite in style. The unusual beauty of the highly appropriate woods, and their new and modern handling, together with a soft, luxurious finish, lend it particular distinction. Beautiful carved overlays and hand matched woods are employed liberally. Special features of convenience are present, such as partitioned trays for jewelry; and the toilet table contains a plate glass tray for cosmetics. Features which are typical of the details and appointments found in all Berkey & Gay suites. Altogether, this strikingly beautiful suite is a splendid example of Berkey & Gay style and workmanship, for more than three generations the criterion of furniture style in America. Visit your leading furniture store and view this beautiful Sheffield Suite. Look at other selections of Berkey & Gay suites; watch your dealers advertising for further important announcements. Berkey & Gay suites are priced from $200 to $6000.

DETAILS OF THE STERLING & WELCH BEDROOM

As an appropriate setting for this suite, the Sterling & Welch Studios suggest an ivory background with soft green and rose colors predominating. The floor is entirely covered with a seamless carpet in a soft shade of gray green. The ceiling walls are painted light ivory; the panel molding is ivory with a slight cream glaze. The glass curtains are of a figured net, linen colored. The lumberquins and hangings are waterproof curtains with a rose tone floral pattern. The upholstered chair is covered with a striped green silk; the bench and small chair seat are covered with a small figured linen frieze in softened tones of coral and green. The corner ceiling lights and side brackets are silver with glass candle cuts and drops; the silk shades are rose colored.

The bedspread is green taffeta with piping and edging of rose.

Berkey & Gay Furniture


Furniture's Proudest Coat-of-Arms. inset in every Berkey & Gay piece—your protection when buying—your pride ever after.
“Pay as much as you will—no car will pay you more—nor serve you better nor longer than a Buick!”

Dollars are for delight. To spend them grudgingly, or prodigally, is to defeat their purpose. To invest them in a Buick is to purchase maximum motoring delight—the topmost degree of style, beauty, comfort, performance—without paying a single dollar premium. That is what makes Buick the standard of motor car value. That is what makes it the outstanding choice of discerning men and women everywhere.

BUICK

WHEN BETTER AUTOMOBILES ARE BUILT... BUICK WILL BUILD THEM
FREE yourself this Spring from the drab tyranny of plain walls. For one-color surfaces are hopelessly passé. Wallpaper, with fresh new moods in line and color, is the mode decreed. Metropolitan decorators, social leaders, specialists in home modernisation, all sponsor this gladly-welcomed vogue. Any woman can give her home the smart modern touch with wallpaper! "How to Modernise Your Home with Wallpaper" is a helpful book rich in stimulating suggestion. Lavishly illustrated in nineteen colors. A generous selection of actual wallpaper samples is included. If sold through stores the book would cost a dollar or more. We will send you both book and papers for twenty-five cents. Use the coupon at the foot of this page.

**Send for this book today!**

Wallpaper Manufacturers' Association  
461 Eighth Avenue, New York City

Enclosed is 25¢ for which send me your new book illustrated in nineteen colors, "How to Modernise Your Home with Wallpaper." Send also a liberal selection of actual wallpaper samples.

Name___________________________

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City________________State________
"An army man must keep fit
-reach for a Lucky
instead of a sweet"

Robert Lee Bullard

Lieutenant General
Robert Lee Bullard

"General de Braack, one of Napoleon's greatest cavalry leaders, said: 'Smoke yourself and teach your men to smoke. It will comfort you and them under the greatest strain.' One hundred years after de Braack, one million Americans fighting at the front in France and smoking Lucky Strikes found it to be true. Of course, I say reach for a Lucky instead of a sweet. An army man must besides keep fit and not be overweight."

ROBERT LEE BULLARD

The modern common sense way—reach for a Lucky instead of a fattening sweet. Everyone is doing it—men keep healthy and fit, women retain a trim figure. Lucky Strike, the finest tobaccos, skilfully blended, then toasted to develop a flavor which is a delightful alternative for that craving for fattening sweets.

Toasting frees Lucky Strike from impurities. 20,679 physicians recognize this when they say Luckies are less irritating than other cigarettes. That's why folks say: "It's good to smoke Luckies."

Note: Authorities attribute the enormous increase in Cigarette smoking to the improvement in the process of Cigarette manufacture by the application of heat. It is true that during 1928, Lucky Strike Cigarettes showed a greater increase than all other Cigarettes combined. This surely confirms the public's confidence in the superiority of Lucky Strike.

"It's toasted"

No Throat Irritation—No Cough.

Reach for a Lucky instead of a sweet.

Coast to coast radio hook-up every Saturday night through the National Broadcasting Company's network. The Lucky Strike Dance Orchestra in "The Tunes that made Broadway, Broadway."

Once upon a time—

...and before this old mantel his last stand was made. With the courage of a lion he fought, but they were too many for him. He who had so often been the victor was now the vanquished—the gallant last of a noble line...

History, lore and legend have descended with many of the mantels brought here from Europe by this House. Genuine antique mantels that have lived since the Middle Ages, since the Renaissance. It is only because of our connections abroad, cemented by a century of activity, that such Old World Treasures come to us, to our patrons. And these antique stone and marble mantels are as rich in beauty and design as they are in historic background.

Wm. H.

Over a hundred years of service to the
THE Georgian Period Antique Mantel shown here was taken from an old mansion built in 1735 in Great Marlborough Street, London. Price $2500. Georgian Period Andirons, silver finish, to match. Price $275 for large size, $175 for small. If you are interested in a mantel or distinctive fireplace fixtures, in any particular period, we shall gladly submit photographs of those now available. A booklet describing our service and offerings is yours for the asking. Address us at New York—Dept. HG.

Jackson Company
2 West 47th Street, New York
318 North Michigan Avenue, Chicago

Prominent Families in the Social Register
Two furniture pieces expressive of Valentine-Seaver artistry are illustrated... A love-seat of exclusive lines, covered with imported frieze fabric, most exquisite in its quality and coloring. The single, full width, down cushion and unusually low seat are suggestive of deep lounging comfort...

In the chair, modern lines have been deftly suggested, without the extreme flare so commonly seen. Covering is of a rich frieze. The cushion is filled with soft, resilient down. The side panels are of beautifully grained mahogany...

Valentine-Seaver furniture is, of course, for those who can tell quality without assistance from the price tag. Considering the long years of its life, the cost is of secondary importance...

Better dealers everywhere feature Valentine-Seaver. If you do not know where to see it in your community, please write us.

Valentine-Seaver Co., Division of Kroehler Mfg. Company, world's largest makers of upholstered furniture, Chicago, Ill.
The Greater HUDSON
in 14 Distinguished New Body Types

"There is a very costly car" you would say
If you did not know the price

From whatever viewpoint you regard it—whether rich appearance, luxur- rious appointment or brilliant performance—if you did not know the price of the Greater Hudson you would say, "There is a very costly car."

On the standard chassis nine models are offered—the Coach, Standard Sedan, Coupe, Roadster, Phaeton, Town Sedan, Convertible Coupe, Landau Sedan and Victoria, ranging from $1095 to $1500 at factory. On the long chassis there are five models—the 4-passenger Sport Phaeton, the 7-passenger Phaeton, the 8-passenger Club Sedan, the 7-passenger Sedan and the 7-passenger Limousine, with a price range from $1650 to $2000 at factory.
THE LIVING ROOM IN MODERN

The living room in modern... have you considered what it means with DYNAMIQUE?

It means comfort and beauty expertly blended. Little tables with happy niches for tea and cigarettes and books. Sturdy tables that follow the mood and height of your chairs—chairs where one can curl deep in comfort or expand in a long low stretch of leisure. Desks and highboys of a definite grace that will hold the treasures and mirror the certain artistry of our generation.

And the gleam of genuine wood colors polished to a warm brilliance or accented by modern damasks. Utter comfort and all the amenities of life colorfully considered... this is the way that DYNAMIQUE interprets your living room in modern.

Incidental pieces or complete suites at the better stores in the United States and Canada.

JOHNSON FURNITURE CO.
JOHNSON-HANDLEY-JOHNSON COMPANY
GRAND RAPIDS, MICHIGAN
"The World's Finest Motor Car"

Duesenberg

The world's finest automobile, the new Duesenberg, has 265 horsepower. Its entire construction is proportionately strong, thereby insuring greatest safety, endurance and absolute dominion. It excels equally in every other respect.

Class $8,500

DUESenberg, Inc., INdIANAPoLIS, indiana
Baby needs more heat

Outdoorsman John insists on less...

than You or I desire!

Everybody's Snug...with

FINGER-TOUCH CONTROL

The last slight fault in heating systems has been mastered. Today, for your next home you are invited to select the system that provides each room with heat on tap. The system that delivers locally to each room as much or as little heat as is required, with no effect on the temperature of other rooms. The system that automatically adjusts itself to your hour-to-hour need for heat.

We offer you Hoffman Controlled Heat, guaranteed in writing, for many years. Whether you prefer coal, oil or gas as fuel—and no matter what standard boiler and radiators you select—you can add the almost magic equipment that makes it a Hoffman Controlled Heat system.

Hoffman Controlled Heat means finger-touch control. The action of the entire system centers on the pressure of your finger on the lever handles of the radiator valves. A finger touch commands each radiator to give off full heat, three-quarters heat, half heat, one-quarter heat or none at all. The response is rapid.

Only as the call for heat increases does the supply of steam accumulate. Thus there is no waste. With Hoffman Controlled Heat, even great sky-scrappers are luxuriously heated with a mere pound of pressure. Homes require only ounces. Fuel costs are drastically low,where ounces do the work of pounds, even in zero weather.

Thousands who contemplate building new homes will want to know all about this latest great step ahead in the science of heating. A post card brings you our new interesting booklet in which you will find all the astonishing facts. Address Hoffman Specialty Company, Inc., Dept. H-11 Waterbury, Connecticut, for your copy.
MARVELOUS effects can be achieved with Artlac on glass, tin, china or parchment.

UNPAINTED furniture departments offer you a wealth of possibilities when you are armed with Artlac. And what marvels you can do with the things you already have!

UNPAINTED FURNITURE that glows with soft, lovely color Smooth as a cherry. Who would guess that you yourself, whatever your inexperience, could achieve such perfection? Artlac is the new wonder worker that makes this miracle possible.

Artlac goes on like cream, and levels itself without a ripple. It is dry in four short hours, long enough so that drying cannot outrun your working speed. Speedily enough to keep pace with your impatience.

And such colors . . . ! "Who is your decorator?" your friends will ask. For never before have shades so charming and so sophisticated been offered.

Leading decorators, artists, stylists, have chosen them for their beauty and smartness. They are based on the clear enduring Devoe colors with which for generations famous artists have painted their masterpieces.

You will find Artlac at department stores—paint, unpainted furniture and artists' materials departments.

Send for Fascinating Booklet and Color Card

DEVOE & RAYNOLDS COMPANY, Inc.
Dept. H-3, 1 West 47th Street, New York City.
Please send me free your Artlac Color Card and booklet "My Own Interior Decorator".

Name.
Address.
City. State.

ARTLAC
Pierce-Arrow turns another page
and inaugurates A NEW STRAIGHT EIGHT

Arriving at the psychological moment—when a modernly beautiful creation was really needed in the fine car field—the new straight eight by Pierce-Arrow scores a triumph even greater, if possible, than that of its most illustrious predecessors.

Pierce-Arrow believes that bulk and conflicting lines have too long prevailed among fine motor cars—that size no longer serves as an excuse for the ungraceful, the unwieldy.

The contention is borne out convincingly by the new straight eight—an ultramodern creation which delightfully departs from all stodgy tradition.

Not a smaller car, this latest Pierce-Arrow, but one that has vigor, grace, spirit! A beautiful silhouette against the most distinguished of backgrounds... the first automobile of a new fine car era!

Reproduced from a painting which has hung in the Pierce-Arrow Board-room since 1912. A full decade earlier, Pierce-Arrow had established its fame as America's Finest Motor Car.
in fine car history...

Today's Pierce-Arrow by Adolph Treidler who, in 1912, painted the illustration shown on the opposite page...the same artist, the same scene, the same make of car, seventeen years later.

A STRAIGHT EIGHT by PIERCE-ARROW

125 Horsepower Engine • 85 Miles per Hour • 133-inch and 143-inch Wheel Bases • 59 5/8-inch Rear Tread • 72-inch Overall Height • Ample Head-room • Wide Doors • Pierce-Arrow Coachwork • Non-shatterable Glass • Fender or Bracket Headlamps optional without extra charge.

The purchase of a car from income has been made an altogether attractive procedure by the Pierce-Arrow Finance Corporation. The average allowance on a good used car usually more than covers the initial Pierce-Arrow payment.

Pierce-Arrow mechanical detail embraces every device of proved character known to the engineering of fine motor cars.

ARROW
A new vogue in distinctive walls and ceilings

Another Upson Achievement . . .
Relief Treatments that give all the dignity and distinction of modeled plaster . . . at a fraction of its cost.

What does your home say to your friends?
Does it reflect your pride—your personality? Does it fairly suggest your prosperity?
Consciously or unconsciously, we judge the man by the exterior and the woman by the interior of the home.

Cracked walls or ceilings may unjustly suggest lack of self-respect, niggardliness, or even straitened finances. For walls and ceilings are the keynote of every home—the background for furnishings.

Ceilings are decorative opportunities!
This new, aristocratic “Relief Treatment” brings within the reach of all, the beauty of modeled plaster—a type of decoration hitherto available only to the wealthy—even more to be desired than paneling!

We will gladly furnish detailed suggestions which good carpenters can follow. Upson Relief Treatments are available in a wide variety of interesting designs for every room in the house—from kitchen, through living room to attic!

SPRAWLING, CRAWLING CRACKS BANISHED FOREVER!
By Upsonizing, unsightly walls and ceilings—too oft neglected—may be easily renewed and beautified.
No longer need any room in the house be a source of constant embarrassment and apology.

Nothing better than Upson Board for ceilings
Upsonized ceilings are permanent as well as characterful! Certified tests prove that Upson Board and Upson Fibre-Tile excel in resistance to jars, blows, heat, cold, moisture—even ordinary leaks—as compared with needlessly heavy and brittle boards.

You'll like Upson Board! You will be enthusiastic over this new vogue of decoration, just as are hundreds of discriminating home-lovers who were also eager to acquire the new and beautiful in their homes.

You will want to learn more of the beauty that the new Upson Relief Treatment may bring to your home—whether for a single ceiling or all through the house. You will also want to know about Upson Fibre-Tile, which builds washable tile-like walls at about 1/10th the cost of ceramic tile.

We invite you to mail this coupon for full details

UPSON BOARD
THE UPSON COMPANY, 318 Upson Pk., Lockport, N.Y.
Enclosed find ten cents for samples of Upson Board and Upson Fibre-Tile, literature describing the new Upson Method of Relief Paneling, folders showing how Upson Fibre-Tile builds colorful kitchens and bath, and details of your new Decorative Service. I am interested in

☐ New Ceilings ☐ Office Use ☐ Kitchen or Bath

Name
Street
City

© 1919, The Upson Company, Lockport, New York
AN UNUSUALLY FINE RESIDENCE

With a beauty of line accentuated by a clever and interesting use of Creo-Dipt Stained Shingles

The architect of this interesting Bronxville, New York, house, Lewis Bowman, has given careful study to even the smallest detail.

The flat, white expanse of Dixie White Creo-Dipt Stained Shingles on the side walls is just enough relieved by the vertical shingle lines to prevent the entire effect from becoming monotonous. The roof harmonizes in shades of blackish brown that will become even more attractive as they weather and age.

Such striking results as this have had a large share in making Creo-Dipts increasingly popular with the country's leading architects—men who demand something entirely away from the commonplace.

(Above) Sidewalls of this interesting Bronxville, N.Y., residence are 24" Dixie White Creo-Dipt Stained Shingles, laid double to give the effect of one inch butt shingles. The outside course overlaps the under course about half an inch, producing deep, attractive shadow lines.

(Above) Details of entrance, showing the pains-taking care the architect has given each part of the house. Creo-Dipt Dixie White, used on this house, is the only Creo-Dipt color that requires brush coating after laying.

Not only are Creo-Dipts found on so many new homes, but recently many of the really fine historical places of the east have been preserved to posterity with Creo-Dipt Stained Shingles laid right over the old siding—in many cases right over the old roof. Because of the wide choice of Creo-Dipt colors it is possible to select color tones that disturb none of the aged dignity of these interesting old places.

To the architect or owner planning really fine work, there is a real reason for insisting upon genuine Creo-Dipt Stained Shingles. Ordinary shingles are merely dipped into the stain.

Creo-Dipt Stained Shingles are stained under pressure—submerged into heated, agitated stain, while compressed air forces preserving oils and colors into each shingle.

As a result Creo-Dipt colors last longer and require much less upkeep. And, of course, all Creo-Dipts are made only from selected, straight-grained cedar, so they must always lie flat and smooth.

If your present home is the least bit shabby, or you plan to build, we suggest you mail the coupon and let us send you photographs of other interesting Creo-Dipt results—both on old and new homes—and a color chart showing the wide choice of Creo-Dipt colors.

Or, ask your architect, builder or lumber dealers about the new Pressure Stained Creo-Dipts; leading lumber dealers everywhere carry them in stock, for 20 years, building authorities have recommended genuine Creo-Dipts and endorsed them. Look for Creo-Dipt in your phone book.


CREO-DIPT
Stained Shingles
STAINED UNDER PRESSURE
Creo-Dipt Co., Inc., 1431 Oliver Street, North Tonawanda, N.Y.
In Canada: Creo-Dipt Co., Ltd., 1610 Royal Bank Bldg., Toronto

Enclosed find zjc for portfolio of large-size photographs of new Creo-Dipt homes by leading architects, old homes re-beautified, booklet of color suggestions, and name of local Creo-Dipt dealer, who will recommend a reliable carpenter-contractor. (Outside U.S. or Canada, please send 50c in money order or International stamps.)

Check below use that interests you

☐ Covering old side-walls ☐ Building new ☐ Remodeling

Name ____________________________
Address ____________________________
Mr. J. J. O'Donnell has recently built a new home. Both he and Mrs. O'Donnell and Catherine, Mary, Patty—even Jack (though it shouldn't make much difference to him) are very happy with it.

"Our first home was in Pelham," says Mrs. O'Donnell. "When we moved in, we knew very little about the worries of owning a home, and as for rust causing us endless trouble—it never even occurred to us. But we soon found out.

"First we noticed that the water pressure was growing weaker. Soon we couldn't draw water in the bathroom if a faucet was open in the kitchen or laundry. Of course, although we didn't realize it at the time, rust was gradually clogging the pipes. Then we began to notice that the water was tinged with a reddish brown color that grew worse and worse until it reached a point where we just couldn't get the children's things nice and white. And I never had clear, sparkling water to serve at table.

"Then one day one of the pipes started to leak... my beautifully tinted ceilings—all splotched with ugly brown stains! And soon brown streaks began to appear on the walls... well—I don't think that I'm over-critical, but I just couldn't keep house with rusty water.

"By that time, the children were growing up and we needed a larger house. This time we knew all about rust. We had reason to. And you may be certain that we took every precaution to make our present home thoroughly and completely and forever proof against rust—inside and out.

"It was vital that the children have pure, clear water—and plenty of it—always. We made inquiries about brass pipe and decided to have Anaconda Brass installed because our architect and plumbing contractor recommended it. Our hot water boiler is copper—and it's a good one. Our roof has beautiful copper-clad shingles, and the gutters, rain-pipes and flashings are made of Anaconda Copper..."
"The Shadow of Rust" comes—
certainly and inevitably to the
house that is built with rustable
metals. It makes trouble and costs
money. You can free yourself—
one and for all—from this
Shadow by building with
Anaconda Copper and Brass.
They cannot rust.

"In the old house, these rusted out in no time, and after
every heavy rain the sides of the house would be streaked
with rust.

"Our hardware is all solid brass and the screens are made
of strong, rust-proof Anaconda Bronze Wire.

"It didn't cost as much to rust-proof our home as we
expected. If necessary, we certainly would have saved the
money in some other way... Our experience taught us that
the last place to cut costs is in the plumbing, hardware
and metal work. That would be false economy."

MRS. J. J. O'DONELL

Every Anaconda product is fully guaranteed by the world's
largest manufacturer of copper, brass and bronze. A single
organization, with more than a hundred years' experience, is
responsible for every proc­
ess from mine to consumer.
For your protection every
length of Anaconda Brass
Pipe is stamped "Anacon­
da"—as is every sheet of
Anaconda Copper.

Send for these Vital Facts
on Home Building and Home Buying
To those interested in acquiring new homes or remodeling
their present homes, The American Brass Company offers
"The Home Owner's Fact Book," by Roger Whitman, an
eminent building economist. This book is not restricted to
rust-proofing but deals with important facts, often over­
looked, concerning the planning, financing and maintenance
costs of the home. It will be sent upon receipt of twenty­
five cents to cover mailing costs. The booklet, "Rust­
Proofed," containing informative data on the advantages
and economics of rust-proofing the house inside and out,
will be mailed free upon request. Address: The American

A comparison, looking years ahead
"How can rust affect my house?"...To answer this important
question the chart below has been prepared. It shows—fact
for fact—what happens in a house where rustable materials
have been used, compared with a house that is proof against
rust... These facts have been gathered from actual, thorough
investigation... (The figures quoted in the chart apply to
the average $15,000 house.)

**Rustable Water Pipe**
- Low initial cost.
- Iron or steel pipe rusts.
- Water from rusty pipe is disagreeable for drinking;
stains laundry.
- Rusty deposits clog up the pipe; reduce flow of water, slow
up washing and bathing.
- Pipe leaks caused by rust may flood house or cellar. May damage
ceiling, walls or furniture.
- Rust-clogged pipe has to be repaired or replaced.
- Higher eventual cost—due to re­
pairs and replacements.
- Rusted pipe is a disadvantage in
selling the house.

**Anaconda Brass Pipe**
- Slightly higher initial cost.
- Brass pipe can't rust.
- Water from Brass pipe always
flows clear, fresh, sparkling.
- No rust stains.
- No rust-clogging. Pipe always clear. Water always at full pressure,
upstairs and down.
- No leaks from rusting! No damages
from flooding. No worry over hidden rust trouble.
- No expense for rust-repairs or
rust-replacements. Ever!
- Substantial saving (about $130
during the first 15 years).

**Rustable Gutters & Rainpipes**
- Low initial cost.
- Because they are constantly ex­
posed to weather, they rust
quickly.
- Water seeping through rust-holes
may cause damage to house.
- Replacement necessary after five
to eight years, or even sooner.
- Higher eventual cost—due to re­
pairs and replacements.

**Anaconda Copper Rainpipes**
- Slightly higher initial cost.
- Copper gutters, rainpipes and flash­
ings can't rust—no matter how
many years they are exposed.
- No rust-holes; consequently no
damage from seeping water.
- No rust-replacement ever neces­
sary with copper.
- Substantial saving (about $235 dur­
ing the first 15 years).
The Stamp of Culture

MARBLE, the aristocrat of building materials, places the stamp of culture on home and garden—whether used lavishly in the mansion or sparingly in the cottage.

Employed for staircase, floor, bath, mantelpiece, shelf, radiator top, lamp base, or kitchen table top—or in statue, pergola, fountain, sundial or bench... wherever used, in fact...

Marble the inimitable, marble the luxurious, marble the colorful, marble the beautiful, marble the practicable and marble the economical...

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This free book, in addition, saves you annoying mistakes. Its complete check lists cover every feature from cellar to ridgepole affected by remodeling. By checking your plans with these lists you make certain that nothing has been overlooked when you modernize.

The coupon below brings you this book. Send for it today. It will reveal to you some of the possibilities easily within your reach through the use of beautiful and durable stucco reinforced with STEELTEX.

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Pittsburgh Steel Co.
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World's largest manufacturers of welded steel fabric

STEELTEX
FOUR TYPES—SAME PRINCIPLE
SAME PROTECTION
for plaster, for stucco, for floors and roofs (concrete and gypsum) for stone or brick facing

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Send me a free copy of Home Modernizing at Moderate Cost.

Name:
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PUT THIS AGE-LASTING BARRIER BETWEEN RUST AND YOUR HOME

THERE is a way to be certain that the pipe you install will give generations of service — at moderate cost. There is a way to insure yourself against expensive pipe replacements that mar the beauty of your home.

That way is to insist on genuine, time-tested puddled wrought iron pipe.

For, in puddled wrought iron, each inmost fiber of the metal is protected by a rust-proof barrier of silicious slag. Kneading of the hot, pure iron in the furnace distributes this slag evenly and uniformly, leaving no loophole for destructive corrosion.

All Reading Pipe is genuine puddled wrought iron, made by the time-tested process. Your guarantees of pipe dependability and long life are the Reading name and the spiral knurl mark cut into every piece of Reading Pipe.

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Reduces costs...makes Indiana Limestone practicable for any sort of residence construction. Write for full information.

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For only 5% to 6% more, you can build of Indiana Limestone and thus have a home far beyond the ordinary in beauty, permanence, low upkeep cost and re-sale value.

Indiana Limestone is used both as a facing over brick or hollow tile; or as a veneer over wood stud frame. The stone is sawed in our quarries into strips four inches thick. These are shipped to the building site. There the mason's helper with the aid of an electric Carborundum saw or ordinary hand-saw breaks them into lengths. The stone facing is then built up either by stone-masons or bricklayers.


INDIANA LIMESTONE COMPANY

General Offices: Bedford, Indiana

Executive Offices: Tribune Tower, Chicago
How to prevent that annoyance in your NEXT home

Overlook this one fact in your planning and you may find that in your brand new home you are putting up with the same old door troubles you had hoped to move away from.

The cause of sticking doors and of doors that won't stay shut is rarely "the house settling" or "careless hanging." More frequently the fault is in the doors themselves. They absorb moisture in damp weather, swell tight against the frame. Drying out in summer, they shrink, often warping badly, besides. And the locks don't catch.

Annoyance. The expense of repairs. In your new home, fortunately, both can be avoided.

For doors have been created that positively will not swell or shrink or warp. An achievement of the largest door manufacturers in the world, they are labeled "Laminex." On their base you'll find a full guarantee against the faults common to ordinary doors.

In lovely designs, Laminex doors are available throughout the United States, and at a cost so reasonable that the difference on all the doors in a six-room house will amount to only three or four dollars.

To be sure you will get Laminex trouble-proof doors, tell the architect or builder before the specifications are written. If you would like to see a free sample of Laminex wood and wish to know which of the progressive millwork and lumber dealers in your city can supply you, mail the coupon below.

How a Laminex door is built — of blocks that counteract each other's tendency to warp — and both welded and moisture-proofed with famous Laminex cement to prevent swelling.
Another Advance in Leadership

The New

WILLYS-KNIGHT SIX

The most beautiful, largest and most powerful Knight-engined car ever offered at such low prices

THROUGH quantity production, improved manufacturing and merchandising methods, and volume sales, it is now possible to present the largest, most stylish and most powerful Willys-Knight Six ever offered at so low a price—a value that breaks through the cost barrier!

Fashioned to the minute, the new Willys-Knight Six is distinguished by sweep and verve of line, harmony of color, perfect symmetry and proportion that make it the outstanding creation of today's style specialists.

And of course, the new Willys-Knight Six is notable for the velvet smoothness, silent power, rugged stamina, sustained high speed, flashing activity, marked economy and increasing efficiency which have won for the patented double sleeve-valve engine its high regard with America's most experienced motorists.

Visit your nearest Willys-Overland dealer and see the new Willys-Knight Six. Your first glance will reveal its beauty of design. An inspection will reveal a wealth of tasteful appointments. A demonstration will simplify the problem of deciding what car your next one shall be. And the low price will win your instant decision.

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Stanwin Casements—the new windows by Crittall—afford smart, distinctive interiors for the modern home. The entire scheme of decoration shares in their inherent beauty—and in addition they are especially adaptable to artistic draping and curtain arrangements. Such effects are simply achieved and doubly attractive.

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Warehouse stocks at all central points. An opportunity is offered to a limited number of dealers.
A beautiful roof with unusual protection
For use over old roofs * For new buildings

Color, color, everywhere—and for everything! We are living in a day of color, and Genasco Latite Shingles are in keeping with the times and make a colorful roof. The roof in the illustration shows one of the many charming color combinations secured by the use of four different colors of Genasco Latite Shingles—red, green, blue-black, and Mix-Tone. Beautiful colors—unfading colors—that never require staining or painting.

Used in combination or as a one-color roof Genasco Latite Shingles offer a choice to harmonize with the architecture and color scheme of any home. Their moderate cost makes them appropriate for cottages, bungalows, barns, garages, and yet they are so beautiful that they are used on the finest homes.

Besides having lasting beauty, Genasco Latite Shingles also possess unusual durability. Not only are they made of tough, long-fibred asphalt-saturated rag felt, but they are also coated on both sides with Trinidad Lake Asphalt Cement which is manufactured from that wonder of nature—Trinidad Lake Asphalt. Only Genasco Shingles are waterproofed with this material, and its weather-resisting qualities seal the saturant in the shingles and prevent them from drying out.

Genasco Latite Shingles make a roof that is storm-tight, fire-retardant, long-lasting, and economical. And there's an extra economy in re-roofing the Genesco way—right over the worn-out shingles. You avoid all the dirt and expense of ripping off the old roof—and it serves as additional insulation, making your home warmer in winter and cooler in summer. And if you are planning to build a new home, it will pay you to find out about Genesco Latite Shingles, for their many advantages are readily apparent.

Send us the coupon today for full information, and we will also tell you the name of the nearest concern which will give you an estimate of cost for roofing or re-roofing with Genasco Latite Shingles.

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Genasco Latite Shingles

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Please send us, without obligation, full information about Genasco Latite Shingles, and name of the nearest concern to give me an estimate of cost for roofing or re-roofing my home.

Name: ________________
Address: ________________________________
New York Galleries

plan a colorful Spanish library around

Fenestra Steel Casements


Picturesquely recessed, many-paned Fenestra Casements make this room different from the old-fashioned somber library. "These windows, beautifully adapted to houses of Mediterranean architecture, are the inspiration for the colorful Spanish decorating scheme," says the decorator at the nationally known New York Galleries.

"Because they suggest the glamour of old Seville, they are curtained in slim folds of printed linen that might have adorned an Infanta's palace. The casements are recessed beneath a plaster arch with a twisted column between. Leaded panes—in rondel, shield, diamond and rectangular patterns add touches of color to the windows. The wall beneath the casements, including the sill itself, is covered with Spanish tiles.

No other type of window offers such interesting decorative possibilities—such distinction—and yet such supreme comfort and convenience. For little, if any, more than the cost of ordinary windows, they give more light; better control of ventilation; easy washing from within the house; protection for draperies with inside screens. At the touch of a finger, they open wide to pleasant weather. Yet they close tight against cold and storm without warping, sticking or rattling.

Fenestra Steel Windows may be had in a wide variety of types and sizes—from practical Basement Windows to smart casement styles for every room. They are equally suitable for almost every variety of architecture.

Suggestions You Will Find Worth Using

Noted decorators have helped us prepare an attractive book of interiors, "Decorating With Casements." It is filled with fascinating ideas that you can work out in your own home at very little cost. A copy of this helpful book will be sent you free on request. Just fill out, clip and mail the coupon today.

Detroit Steel Products Company
2256 East Grand Boulevard, Detroit, Michigan

Gentlemen:
P lease send me a copy of your new book, "Decorating with Casements." Without obligation.

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Quiet!
Amid the Roar of New York

PEOPLE SLEEP WELL in this great new hotel, the luxurious Sherry-Netherlands. One of the greatest of its luxuries is quiet. Its partitions are sound-proofed with Cabot's Quilt, the time-tested insulation against noise, cold and heat which is installed in so many of the newest, most perfectly constructed hotels, apartments, private houses and office buildings in New York.

Noise is nerve-wracking, wherever it exists. Even in the country, the hooting of motor horns, the scream of brakes on a hill or a curve, the shriek of a locomotive whistle or steam siren, may very quickly make you nervous and ill unless you ask your architect and builder to shut out such noises with Cabot's Quilt.

NEARLY FORTY YEARS AGO, Samuel Cabot of Boston stood on a North Atlantic beach and saw a limitless supply of Zostera Marina, an ocean plant. He found that the forefathers, two hundred years before, had packed the walls of their houses with it to keep out the cold.

After subjecting this plant to laboratory tests, Mr. Cabot found it perfectly adapted to all house-insulating needs. He invented methods of preparing the plant and designed and built machinery for quilting it between long rolls of best Grade A Kraft.

Recent tests by the U. S. Bureau of Standards prove Cabot's Quilt the most efficient insulator in common use—far more efficient, because it is soft, elastic and fluffy, than any rigid wall-board can be. It discourages fire, too, for it is composed mainly of unburnable silica, instead of carbon (as in land plants).

COUNTRY HOUSES in old time were uncomfortable, because people had no idea of sanitation or insulation either. Now you can be healthy and comfortable in any part of this country. Like the great new hotels in New York, the best-designed and most modern country houses all over the United States and Canada are proof against both climate and noise—they are insulated with Cabot's Quilt.

Every modern family should know what Cabot's Quilt, and the other Cabot Building Specialties, can do to reduce first costs, and also upkeep, of the home. Send for free book. You will have an interesting evening reading it; you will learn how to increase the comfort and beauty of your home, and you will save money.

Click this coupon, or write to

Samuel Cabot Inc.
Boston

Please send me full information about Cabot's Quilt for insulation and sound-deadening

NAME
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Could not get along without it. It is wonderful." Mrs. W—, Ohio

W OULDN'T you be just as enthusiastic as the woman who writes this letter to us, if you could have a splendid new gas range in your kitchen, even though you live miles and miles from a city gas main? Certainly you would, particularly if it were one of the most modern of ranges, perhaps one enameled in pleasant color, one fitted with a heat regulator to cook and bake perfectly without your attention. You can have such a range and actual gas to cook with no matter where you live—with Pyrofax.

Pyrofax is real gas stored in steel cylinders — each cylinder with enough gas to serve an average family two to three months. A large national organization markets Pyrofax and maintains a delivery service from hundreds of stations to thousands of users—to homes and schools and institutions everywhere in suburbs and country districts that do not have city gas.

We know that you will be interested in the handsome gas ranges that every Pyrofax dealer can show you. There are models in immaculate white and gleaming nickel, or in the charming new color combinations — modern ranges, every one, with every up-to-the-minute feature. Surely, these days every woman, no matter where she lives, deserves the comfort and convenience of so essential a thing as a modern range. You can have the kind of gas range you like most—and a real gas cooking service—for a small initial payment. And the balance of the price of range and gas can be extended over a year's easy payments if you like.

Pyrofax equipment, including the gas range of your choice and complete installation, is surprisingly low priced. May we send you some of the very interesting literature we have prepared about Pyrofax? Return the coupon.

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A small down payment enables you to start cooking with gas at once. Spread the balance over a full year, if you like. Pyrofax equipment, including the gas range of your choice and complete installation, is surprisingly low priced.

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Name:

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March, 1929

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THE NEW
COLD CONTROL
offers greater convenience... utmost simplicity

Today Frigidaire offers a new and far-reaching development in automatic refrigeration. Now you can regulate, at will, the temperature in the freezing compartment.

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If, for any occasion, unusually quick freezing of ice cubes is desired, just set the control lever at "Colder". The temperature drops! Freezing is accomplished with much greater speed.

In the freezing of desserts, various ingredients require different temperatures for best results. The Frigidaire Cold Control enables you to set the temperatures of the freezing compartment just right for the particular dessert you are freezing.

The New Frigidaire is now equipped with the "Cold Control" without added cost to the buyer. Its adoption is in keeping with the policy that has established Frigidaire's leadership and made it the choice of more buyers than all other makes of electric refrigerators combined.

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Frigidaire offers dependable refrigeration... a temperature in the food compartment below 50 degrees. Frigidaire offers economical operation so that its savings more than repay its entire cost. Frigidaire offers utmost convenience in the arrangement of food shelves... incredibly quiet operation... and a low price that could be possible only as a result of quantity production.

MAY WE SEND YOU THESE BOOKS?
We should like to tell you more about the New Frigidaire... what it will do... the work and bother it will eliminate... the protection it offers to health. We want to give you a book of recipes for the new delicious desserts that can now be made so easily and quickly. And we want you to know how Frigidaire can be bought on the easiest of terms.

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Above all—
A Lasting Roof

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What more can you ask?

Asbestos Shingle, Slate & Sheathing Company
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This is “English Thatch”
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More than 80,000 homes are heated by Williams Oil-O-Matic. Architects, engineers and heating experts give Williams Oil-O-Matic wholehearted endorsement. Their experience is your best reason for selecting Williams Oil-O-Matic—they know. They have tried Oil-O-Matic under practical conditions.

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Williams Oil-O-Matic is entirely automatic—turns itself on and off without human aid—maintains steady, healthful temperatures—unusually quiet—thrifty of its economy fuel—dependable—built to outlive your whole family—simple to install in your present heating system.

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For Small Homes, Bungalows—and moderate incomes

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Genuine Williams Oil Heat at a Price Any Man Can Afford to Pay

All Williams products are sold on budget saving plans
The age-old charm of hand craftsmanship is what this slate of hand-fashioned natural rock brings to your home.

**VARITONE** is a blend of five choice Pennsylvania slates in cool color tones, ranging from Gothic Blue to Cathedral Grey.

A special offset dress gives the effect of heavy, over-thick slates without the handicap of unnecessary weight and cost.

So fine grained is the rock of which Pennsylvania "VARITONE" roofing slate is made that it absorbs less than 1/2 per cent. of water. Artificial roofing absorbs 20 to 100 times as much. Think what this difference means in keeping your home free from dampness.

Being natural rock, Pennsylvania "VARITONE" slate cannot burn, is weather-proof, storm-proof—almost indestructible.

This permanent roofing, while strong and charming enough to add distinction to a place, is not too expensive for the most modest home.

Write for booklet—"What You Need to Know About Slate"

**PENNSYLVANIA SLATE INSTITUTE INC., PEN ARGYL, PENNSYLVANIA**

New York Office: 507 Fifth Avenue

The density of New England Colonial Architecture calls for the strong, cool tones of a Pennsylvania slate roof.
Live in the Shelter of Masonite

A giant stride toward real home comfort . . . a great step forward in protecting family health . . . that's what Masonite, the all-wood insulating and building material, accomplishes for the thousands of home-owners who live within its shelter.

No longer do these families live in chilly, drafty rooms. No matter how cold it gets, how hard the wind blows, Masonite homes are cozily warm all winter long. And in summer when the sun scorches, these same homes remain comfortably cool. Noise is absorbed; dampness is shut out. Fuel savings are so great that they actually pay for Masonite insulation. Is it any wonder these homes have a greater resale value?

In new buildings, Masonite Structural Insulation serves as sheathing, for roof insulation, and as a sound deadener in floors. In old homes, it is installed under rafters and used for partitions, transforming waste attic space into cozy rooms. It is ideal for lining garages and basements or enclosing porches.

Masonite Insulating Lath provides smooth, crack-resistant walls and ceilings free from lath marks. It holds plaster with a tenacious grip that will not break under a pull of one thousand pounds per square foot. It enables each room to retain its heat in winter . . . even until you rise in the morning . . . and keeps heat out in summer.

Remember, too, that Masonite is made entirely of wood. It has wood's structural durability and building advantages. And, because it contains millions of tiny dead air cells, Masonite has wood's natural insulating ability multiplied many times.

Write today for the fascinating story of Masonite Structural Insulation. Surely, if you live in your own home or expect to build, you will want to know all about this all-wood insulation . . . the economies it gives . . . the comforts it provides. Just fill in and mail the coupon today.

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111 West Washington St., Chicago, Ill.

Another Masonite Product—
a grainless wood board
of remarkable workability

Masonite Preswood is a genuine wood board that is absolutely grainless. It will not crack, check, split or splinter. Takes any finish beautifully—needs no paint for protection. Possesses unusual workability, has uniform strength and high resistance to moisture. Can be used on any wood-working machine—can be punched, die cut and shaped. Industry after industry is finding new uses for this remarkable product.

Send for FREE Booklet
Mail the attached coupon today. It will bring you the interesting Masonite booklet every home-owner or prospective home-owner should have.

Masonite Corporation, Dept. 799.
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Please send me your free Masonite booklet, “Building for Permanence, Comfort and Value.”

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Street
City
State

If interested in Masonite Prewood, check here.
Here’s the ancient Colonel John Stuart house at Charleston, South Carolina. Note the staunchness of its Tidewater Red Cypress construction in its second century of service.


Stave Off

repairs 200 years—for an extra $42

For 200 years, not one cent has been spent to replace the original Tidewater Red Cypress in hundreds of Pre-Revolutionary homesteads.

For 200 years, not one cent should be spent for rot repairs on the exterior trim (windows, doors, etc.) of the house recently built by Mr. R... K... of Dayton, Ohio.

Mr. K... selected durable Tidewater Red Cypress in preference to a slightly cheaper—but much inferior—lumber. On his $10,000 house, the extra cost was only $42.

For a few more dollars, he had bought not only freedom from worry, but also a wood that works easily, has a beautiful grain, and holds fast to paint.

Due to its durability and charm, hundreds of architects specify Tidewater Red Cypress every day. They recommend it for windows, doors, shingles, cornices, siding, porches, steps, and every other place where wood meets moisture. You can’t go wrong on any product endorsed by the great body of American architects.

A Book of Homes—sent to you FREE

"Money Saved for Builders" offers a new way of assisting home-builders. It pictures dozens of attractive new houses and venerable old specimens of the best early-American architecture. This is not a book of commonplace printed plans. (To get the home of your dreams, by the way, we advise you to retain an architect—he usually saves you much more than his fee.) This booklet gives amazing proofs of the durability of Tidewater Red Cypress, tells how it is grown along the lower Atlantic and Gulf Coasts, tells how to cut the cost of operating your home, and explains why only "coastal type cypress" can give you its distinctive beauty and durability.

SPECIFY
The Wood
TIDEWATER
RED CYPRESS

Eternal

Gentlemen:
"Money Saved for Builders" sounds mighty interesting. Please send it to me.

Name.................................................................

Address............................................................

Southern Cypress Manufacturers Association
HG-3 Barnett National Bank Bldg., Jacksonville, Florida
Will your roof burn—or will it not?

There is no safe middle ground

During the past year approximately 23 per cent of all residential fires in the United States started on roofs! And only one thing will keep your home safe from roof-communicated fires, from the hazard of flying firebrands—a fireproof roof.

Johns-Manville Rigid Asbestos Shingles cannot burn. They are made of asbestos and cement, perfectly blended, under tremendous pressure. With these shingles on your home—the fire hazard is ended forever. A J-M Roof cannot burn.

J-M Asbestos Shingles can be heated white-hot without injury—a test which would destroy other roofings. This reserve of strength, this marvelous independence of fire means everlasting protection for the home-roofed with J-M Shingles. Unharmed by extremes of heat or cold, by rain, sleet or snow, you are guarded by a roof which will outlast your house itself. Recent scientific tests prove that weather actually makes J-M Asbestos Shingles tougher and stronger!

Protection—plus Colorful Beauty

This is the age of color—and the wide range of colors and color combinations available in Johns-Manville Asbestos Shingles make possible any effect you may desire. Whatever the type of house, there is a J-M Roof to complete its beauty. And best of all—this permanent protection and colorful beauty is not accompanied by high price. For example, a roof of J-M No. 70 Mottled Gray Asbestos Shingles costs approximately only 12% more than a roof of 18-inch Stained Cedar Shingles. In the long run, a J-M Asbestos Shingle Roof is the least expensive of all roofs. The first cost is the last cost. No maintenance or repair bills. You roof or re-roof for the last time.

Every J-M Asbestos Shingle Roof is accompanied by a “certificate of registration.” It will assure you that your roof is of Johns-Manville manufacture—everlastingly beautiful—eternally fireproof.

The Master Product of a Famous Manufacturer

J-M Asbestos Shingles are a master product of Johns-Manville—the world's leading manufacturer of fireproof, permanent roofing and building materials.

J-M Asphalts Shingles are the leaders in the field of colorful high-grade utility roofing at low cost. J-M Bonded Asbestos Built-up Roofs protect thousands of famous industrial and public buildings from coast to coast. J-M Transite, the Asbestos lumber, is unsurpassed for industrial roofing and siding.

J-M Brake Lining has meant maximum motoring safety and control for many years. Ask your brake service station about the new molded J-M lining. J-M Insulations serve every condition from 2400° above zero to 400° below.

The age of color in roofs! And you will find in the J-M line a type of color combination to suit every decorative need. Above is an interesting roof of J-M Colorblende type.

Cool greens—warm reds—weathered grays—a complete range of roofing colors! And J-M offers with this beauty—fireproofness, permanence, and economy. Give a thought to your roof today!

Fill out the coupon today, and let us arrange for a free inspection of your roof—and an estimate (without obligation) for re-roofing with J-M Shingles.

Johns-Manville
RIGID ASBESTOS SHINGLES

JOHNS-MANVILLE CORPORATION
New York Chicago Cleveland San Francisco Toronto
(Mail coupon to branch nearest you)

☐ I would be interested in a free inspection of my roof and an estimate on re-roofing costs.
☐ Please send free copy of "The New Book of Roofs."

Name

Address

BN-27-3
Aero, the National Radiator, has beauty that has warmed the hearts of thousands, as its efficiency has warmed their homes. For, in the search for greater radiator effectiveness, Aero designers discovered radiator beauty. The graceful, slender tubes and well-proportioned spacing increased efficiency, and at the same time conferred charm. The radiators quietly harmonize with the finest appointments. Aero was the first complete line of tube-type radiation.

Aero, the National Radiator remains the only complete line whose dependability has been conclusively demonstrated through years of service on a wide variety of applications. In Aero, the National Radiator, beauty and warmth are blended. In homes where Aero is installed comfort, attractiveness, and satisfaction are permanent attendants.

National Radiator Corporation
Manufacturer of Radiators and Boilers

Nine Plants devoted to National Service through these Branch Offices and Warehouses

Aero, THE NATIONAL RADIATOR
IF you wish your home to be smartly modern in every particular, you will now give special thought to floors. The picture shows effective use of Goodyear Rubber Tiling in a formal dining room. Considered in this light, the Tiling has the dignity and character suited to the more studied decorative effects.

But in its adaptability to the modern home, it has a very wide usage. If you will study carefully its advantages, you will find it a most desirable flooring for any room in the house. In addition to its beauty of color, design and texture, it is pleasantly quiet and resilient under foot. You like to walk on it. And it has a special value for entrance hall, bathroom or kitchen because of its laboratory cleanliness. In durability it ranks with the most permanent types of floors. An illustrated booklet showing many attractive patterns in two- and three-color combinations will be gladly forwarded upon request. Just mail the coupon.

For attractive booklet descriptive of this modern floor material, just fill in this coupon with name and address, then mail it to Goodyear, Akron, Ohio, or Los Angeles, California.

NAME

ADDRESS
Colored fixtures
add everything to beauty
—almost nothing to cost

The loveliest of bathrooms, nowadays, are being created with Kohler Colorware. And the cost is very little higher than for bathrooms with white fixtures.

The colored fixtures themselves do cost more, it is true. But fixtures are only part of a bathroom. The cost of fittings, of walls and floor, of labor—all that remains the same. The extra cost of color, a mere fraction of the total, is nothing to pay for the beauty that Kohler Colorware brings.

These graceful fixtures in lovely colors, first sponsored and developed to highest artistry by Kohler of Kohler, are the choice of architects and interior decorators not only for their most luxurious bathrooms, but for their simplest designs as well.

See how inexpensive!

When you realize that there are Kohler bath tubs in color, with chromium-plated fittings, all complete and ready to install, for as little as $80; lavatories for $40; toilets for $70—then you will see how every bathroom in this day can well afford this new beauty.

The Kohler colors are delicate shades of green, lavender, ivory, blue, brown, and gray. And there is a jet black—most effective in combination with Kohler fittings in gold. If you have several bathrooms, each may be developed in a different color scheme—each expressing your taste with individuality and distinction.

It is superfluous, perhaps, to add that Kohler fixtures are far above the commonplace in quality. Kohler artisans put into their work something of the character of the place where they live—Kohler Village, one of America's most beautiful town-planned communities. In choosing Kohler Ware you choose superior worth—at the price of the ordinary.

You should see Kohler Colorware at a Kohler display room, if one is near you. Ask your plumber about it. And send the coupon below for a book of bathrooms, kitchens, and laundries in all the Kohler colors.

KOHLER OF KOHLER
Plumbing Fixtures

KOHLER CO., KOHLER, WIS. Gentlemen: Please send me your book of Kohler Colorware.

[Address and coupon]
Sargent Hardware designs
in harmony with the rambling English dwelling

THE BEST HARDWARE IS MORE BEAUTIFUL AND MORE PERMANENT
... MORE THAN WORTH ITS SLIGHTLY GREATER COST

Quite likely, at least in your own mind, you are building a new house—a home to be personal and distinctive. English, French, Spanish, or Colonial—the style will be adapted skilfully to your particular wants and needs. In decoration and trim it will blend those many ideas stored up during years of observing, comparing and selecting. Each room is planned carefully, even to the small but all-important details of finish.

Here is where Sargent Hardware will help you. For your new home you want the best hardware—dependable, smooth-operating, and non-rusting. Hardware that needs no replacing while the building stands. Then, you must have a design to do its part in expressing your entire scheme of decoration. Whatever this may be, Sargent offers many designs to choose from—each one authentic, exact reproductions or artistic adaptions of the master designers. Sargent prescribes the hardware illustrated on this page for the English type residence pictured above.

Each piece is beautifully finished, perfectly machined, smooth in operation, and of solid brass or bronze.

Sargent Hardware is a worth-while investment costing little more than ordinary hardware, and repaying you many times over in its greater beauty and in its permanence. The cost of the complete finish hardware for this English dwelling is only about 2% of the total building cost. Hardware, however, necessarily varies in cost in different sections.

Our illustrated booklet, “Hardware for Utility and Ornamentation,” will be sent you on request. You will find it interesting and instructive. Sargent & Company, 31 Water Street, New Haven, Conn.
IT IS A TEST FOR

HOUSEHOLD CLEANLINESS -

what does it tell in your home?

IF THERE is one thing that "places" a family's standard of living it is the manner in which they keep house. The bathroom, most of all, is a clue to the standards of the household, and the most conspicuous thing in the bathroom is the toilet seat. This piece alone is often the flaw in an otherwise presentable house and one which is sure to lead to unfavorable impressions. Fortunately, such a defect may be obviated easily and inexpensively.

A handsome Church Toilet Seat, strong, uncrackable, smooth as glass, may be fitted to any make of bowl in ten minutes with the help of only a pair of pliers. As readily as the rest of your furniture, it goes with you when you change residence.

You will find that Church Sani-White Seats are now the usual installation in modern homes and apartments. Your neighboring plumbing establishment has them on display.

Also in nine modern colors

On a wave of deserved popularity, Church colored seats have been swept into those interesting homes that are so effectively bringing color into every room. These seats are now available in nine pastel shades and nine sea-pearl tints. This wide range of beautiful colors permits one to manage just the right color scheme for the particular bathroom.

Ever-durable

Like the Sani-White Seats, the colored seats are definitely guaranteed not to crack, splinter or tarnish. This is also true of Church bath chairs and stools. The covering on them is not a paint, lacquer or enamel. It is solid, and has no joints in which germs or dirt can lodge. After years of service this covering will remain sanitary and free from blemish. Write for illustrated folio. C. F. Church Mfg. Co., Dept. H-3, Holyoke, Massachusetts.

Church Seats

"Toilet Seats for Better Bathrooms"

Sold by all plumbing stores since 1898
The Eternit Horizontal design offers you a new and exclusive shingle... in mellow attractive colors... at a most reasonable cost!

WITH the perfection of Eternit Horizontal Asbestos Shingles, a roofing design entirely unlike that of any other shingle has been made available for home owners, builders, and architects. Wider, longer than the usual shingle, the Horizontal exposes a beautiful surface... a surface defined by shadow lines that run in pleasant angles up the roof. The shadows are deeper and more prominent; the colors soft and mellow. It is a striking shingle—beautiful in design, remarkable for its adaptability to definite types of architecture. And the reasonable cost makes it a real economy.

All Eternit colors are beautiful—whether they come in the Horizontal design, or in the familiar American and Hexagonal methods. Emerald Green, fresh as an English lawn... Indian Red, gay, bright, autumnal... Colonial Gray, quiet as a soft passing cloud... and Quarry Blue, a soft natural slate color. Every one of these shingles is absolutely colorfast. They positively will not bloom or fade out. And in addition, there are Autumn Bronze, and Heatherblends—a tapestry of five harmonious shades... all beautiful, all increasing in charm as the years pass.

And the passing of the years will find Eternit Asbestos Shingles unharmed by any onslaughts of storm or blowing weather. They will continue to give the same sure protection, the same defense against the elements. Eternit Asbestos Shingles will never burn, never yield to sparks or flames or flying embers. They are absolutely fire-proof. Eternits will not rot, raise, chip, or crack.

Contrary to the opinion of many people, a roof of asbestos shingles is not expensive. The first cost is low, and the cost over a long period of years—which is the only way to figure roofing expense—reduces your original expenditure to a minimum. An Eternit roof virtually never wears out. Whether you plan to build, or whether your present home needs reroofing, let your architect, dealer, or builder tell you about Eternit Asbestos Shingles. Eternit, Inc., 9215 Riverview Drive, St. Louis. Offices and warehouses at Philadelphia, New Orleans, Houston, and Jacksonville.

FOR THE PROTECTION OF THE OWNER, EVERY ETERNIT SHINGLE IS TRADE-MARKED; EVERY ETERNIT ROOF IS REGISTERED
bring your home up-to-date...

with INSULITE, the double-purpose insulation

Money filters through the uninsulated roof.

Pile on more fuel—run the furnace full tilt. You can’t heat all out-doors, so the thing to do is to—

—line the attic with INSULITE and reduce heating costs.

In summer the difference will be just as great; every room in the house many degrees cooler.

Besides the comfort thus achieved, many attics—when finished off with INSULITE Building Board—will make ideal play rooms, workshops, sleeping quarters, sewing rooms and the like.

Many helpful suggestions for the use of INSULITE—the double-purpose, all-wood-fiber insulating board—are contained in the booklet—"Rooms of Happiness." Write for a free copy.

THE INSULITE COMPANY
1215 Builders Exchange Department No. 7
MINNEAPOLIS, MINN.

Ask Your Lumber Dealer for

INSULITE
the Wood-Fiber Insulating Board
"Now say 'Ah!' please!"

THE boiler having complied with this request, a faint echo of its loud "a-r-r-r-h!" came from the lips of the eminent boilerologist.

"Nothing like a good 'ah' to show what's what," he said. "This boiler is suffering from a lack of Fire Surface, which is equivalent to saying that it has no stomach, no apparatus for absorbing heat from the fuel you feed it. Consequently it loses all its heat up the chimney, while the house goes cold and uncomfortable, and your fuel bills climb sky-high.

"The thing to do is to put this boiler out of its misery as humanely as possible and get a new boiler in its place, one that has a stomach large enough to digest all the heat your house needs, and pass it on economically to every room of your house.

"Then your home will be always warm and comfortable, and every year you will make a saving in your cost of heating—a saving that in a few years will pay the cost of the new boiler."

Send for Free Copies of Our Two Books

If you have a sick boiler in your house, or if you are going to build and want to avoid installing a sick boiler, send for our two books, "Guaranteed Heating Satisfaction at Minimum Cost," and, "Does it Pay To Install an Oil Burner?"

They contain a more complete and more serious discussion of the above. To anyone interested we will gladly mail a copy of each book free. They make a definite contribution to the subject of heating comfort, and to the subject of heating costs and how to reduce them. They tell you why an H.B. Smith Boiler properly installed will give you economically all the heat you normally want, and be able to supply additional heat in extra cold weather or when there is sickness in the house. Simply use the coupon below, sending it today to The H.B. Smith Co., Dept. K-21, Westfield, Mass.

THE H.B.SMITH
BOILERS & RADIATORS

The H.B. Smith boilers for steam, hot water and vapor heating radiators; and hot water supply boilers; for factory and public building.


Gentlemen: Without cost or obligation to me, please send me a copy of each of your two books.

Name

Street

City

State
You need not close the windows when it storms. The Wurldsbest Ventilator gives you ventilation in the modern manner. Keeps out rain and snow, and due to a fine mesh, built-in bronze wire screen, dirt and dust are excluded. Plenty of clean fresh air WITHOUT DRAFTS, as the current is deflected overhead. Protects health, curtains, drapes and rugs. Fits on the outside lower sash and does not interfere with completely opening or closing the window.

Wurldsbest is a high quality product, strongly made of a special rust-resisting steel. A beautiful olive green enamel finish is baked on, enriching its appearance and making it adaptable to any interior or outside color scheme.

Offered in sizes for every window. Adjustable ends assure snug, perfect fit. Buy Wurldsbest Window Ventilators at leading hardware and department stores. If your dealer cannot supply you, send check or money order and your dealer's name direct to us—Dept. H-329.

ALLWEATHER VENTILATOR COMPANY, Inc.
452 Lexington Avenue, New York City

Wurldsbest WINDOW VENTILATORS

POPULAR SIZES
No. 3, 23½ to 30½ wide—$3.00
No. 4, 30½ to 36½ wide—3.50
No. 5A, 36½ to 46½ wide—4.00
Prices slightly higher in Canada
Balsam-Wool is a guarantee Weyerhaeuser product—a blanket of fluffy wood fibre that looks and acts like sheep's wool. It is true insulation—keeping the house warm in winter and cool in summer—because it is—

FLEXIBLE
THICK
EFFICIENT
WINDPROOF
WATERPROOF
FIRE RESISTANT
VERMIN PROOF
LIGHT WEIGHT
PERMANENT

To be truly modern—Heating Equipment must include this Heat Saver

WILL you put a good boiler and good radiators into that house you are building or re-modeling—and stop there—losing a third or more of the costly heat by leakage through the walls and roof?

Or will you make your heating equipment complete—and your home really modern—with a thick flexible blanket of Balsam-Wool?

Even in an old home a blanket of Balsam-Wool in the attic will go a long way toward making the heating equipment modern and complete, add to your comfort and save a fifth or more of your fuel bill.

Balsam-Wool is an essential part of modern heating equipment. Soft and effective as sheep's wool, it lines the roof and walls, tucks into every nook and cranny—keeps costly heat indoors where it belongs.

Balsam-Wool will cost you almost nothing. The saving you make by installing a smaller boiler and smaller radiators pays all or at least a large part of its cost. The fuel you save ever after is clear gain.

Balsam-Wool—flexible, a full inch thick—is made for heat saving. It is not a substitute for anything else in the house.

Whether you are building a new house—or would like to make your present one more modern and livable—you should know more about Balsam-Wool. It is sold through lumber dealers. Send the coupon for free sample and instructive free booklet.

WOOD CONVERSION COMPANY
CLOQUET, MINNESOTA
Makers of Balsam-Wool, the Flexible Insulating Blanket. Also Makers of Na-Wool, the All Wood Insulating Wall Board and Lath
Sales Offices in Principal Cities

WOOD CONVERSION COMPANY
Dept. 81, Cloquet, Minnesota

Gentlemen: Please send free sample of Balsam-Wool and booklet

"House Comfort that Pays for Itself." I am interested in insulation for:

[ ] A new house [ ] The attic of my present one

Name:
Address:
City:
State:
THE Decorators Club is an organization of women decorators—with a nation-wide membership of those who believe in the maintenance of the highest standards in this field of Interior Decoration. With the rapid increase of interest in this art, it is to the advantage of both clients and decorators that these standards be understood as widely as possible. The members of The Decorators Club believe that clients can be safeguarded in their expectation of competent and beautiful work only when those calling themselves decorators (1) have had thorough educational preparation, (2) have had sufficient practical experience to guarantee sound workmanship and good values, and (3) maintain unquestioned ethical practice.

Upon the cornerstone of this type of service is built the art of Interior Decoration.

Among the Members

JANE WHITE LONSDALE
314 East 57th Street
New York City

McBURNEY & UNDERWOOD
431 Park Avenue
New York City

NANCY McCLELLAND, Inc.
15 East 57th Street
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ELIZABETH C. POTTS
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Ethel A. Reeve, Inc.
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Katherine Park Studios
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MRS. TORRANCE
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Margery Silk Wickware
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AGNES FOSTER WRIGHT
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MARY LINTON ACKERMAN
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5 East 57th Street
New York City

Helen Graeme Hammond
and
MARGARET S. TAYLOR, INC.
320 Madison Avenue
New York City

Among many other
well-known decorators—members of this organization—are those whose names appear in the accompanying lists.
The fresh English day is perfect for the meet . . . and the gallant Household Brigade is tuned to ride as never before. But it is the presence of Lady Joan Lycett*, above everything, that makes this first day at Hawthorne Hill a really brilliant affair. So clear, so radiant is her complexion, that it seems a product of the gods. Many distinguished English women, and Lady Joan among them, trust their complexions to the care of one fragrant soap, Yardley’s Old English Lavender. It is well known that during the last 150 years this delicate soap has never failed to soothe, stimulate and protect fresh English beauty, as famous as history itself. As the perfect complement to this soap, Lady Joan uses Yardley’s sheer face powder to save her skin from all types of weather. Yardley products, England’s best, are obtainable anywhere in America. Old English Lavender Soap, “The Luxury Soap of the World,” box of three cakes $1, or 35c the cake; “Old English Lavender,” in sprinkler bottles from $12 to $1; Face Powder, $1; Compact, $1.25; Talc, 50c; Sachet Tablets, 25c; Shampoo, 15c the cartridge; Bath Salts, $1; Dusting Powder, $1.50. Yardley, 8 New Bond Street, London; 452 Fifth Avenue at Fortieth Street, New York; Toronto and Paris. *Out of deference to our clientele we have refrained from using actual names.
MODERNISM in good taste has been fully achieved in the new Bigelow-Hartford creations. Lovely in their simplicity, appealing alike in color and design, without a hint of the bizarre, these rugs and carpets bring to the home distinction and restfulness. They harmonize with all modern interiors and many traditional ones. Sturdily constructed of finest materials, by master craftsmen, they will give long years of service. Modern charm is realized when a Bigelow-Hartford rug or carpet is the basis of your decorative plan. Progressive merchants everywhere are showing these weaves. If you are in doubt as to where you may see them, write, and we shall gladly give you the name of a nearby store. A most interesting booklet, *Color and Design: Their Use in Home Decoration*, will be sent you for 25¢. Bigelow-Hartford Carpet Company, 385 Madison Ave., New York.
MODERNISM in interior decoration no longer needs the explanations it did only a short time ago. Accepted as a definite fact, not as a fad, it has come to be recognized as an integral part of the natural background for present day living. Not so long ago modern decoration was interpreted for the most part in geometric forms, depicted in more or less flamboyant colors. Today, however, the tide of modernism has receded into more quiet channels; soft tones predominate, particularly several shades of one color. It is therefore not surprising to find the movement more generally accepted, and more and better designs available in every field of home furnishing. Floor coverings, an important item in the decorative scheme of a room, because so much depends upon their suitability of texture, color and design have not been neglected. Since the floor and its covering underlie and hold together the rest of the room, it is fortunate that the newer carpets, rugs and linoleums now present a multitude of designs in the best taste and in colorings suitable for the modern interior.

Mrs. George Draper
President
The Architectural Clearing House, Inc.
Architectural Plans
Decorative Schemes

The average house seldom attains perfection, because there has been no one experienced person to correlate the work of architect, landscape architect and decorator with the owner's own ideas. Mrs. Draper selects such experts for you, consults with them throughout, and is responsible for every step from the first blue print to the last curtain. Her services are available not only for private houses, but for hotels, apartment houses, clubs, shops, and suburban building developments. Folder on application.

150 East 64th Street
New York, N. Y.
Telephone: 8028 Rhinelander

Tony Sarg Creates a Chintz Pattern

CHINTZ
SATINS
DAMASKS
LINENS
LAMPS
SHADES
TAFETAS

$45 Rare Jacobean type Coffee Table, splendidly carved and turned, with burled top 29 by 25, and a spacious drawer to hold all sorts of things. Height 31 inches. Made in Oak or Walnut.

Braus Galleries
422 Madison Avenue (near 49th)
New York City

MRS. BUEL
Antiques & Interiors
142-4 East 57th Street
New York

Ruth Collins
Interior-Decorator
Exhibition of country house and garden furniture, during summer months
original designs
Send for Illustrations

Mrs. George Draper
President
The Architectural Clearing House, Inc.
Architectural Plans
Decorative Schemes

The average house seldom attains perfection, because there has been no one experienced person to correlate the work of architect, landscape architect and decorator with the owner's own ideas. Mrs. Draper selects such experts for you, consults with them throughout, and is responsible for every step from the first blue print to the last curtain. Her services are available not only for private houses, but for hotels, apartment houses, clubs, shops, and suburban building developments. Folder on application.

150 East 64th Street
New York, N. Y.
Telephone: 8028 Rhinelander

Tony Sarg Creates a Chintz Pattern

CHINTZ
SATINS
DAMASKS
LINENS
LAMPS
SHADES
TAFETAS

$45 Rare Jacobean type Coffee Table, splendidly carved and turned, with burled top 29 by 25, and a spacious drawer to hold all sorts of things. Height 31 inches. Made in Oak or Walnut.

Braus Galleries
422 Madison Avenue (near 49th)
New York City
**To DOUBLE the SIZE of ANY CLOSET**

... here is an ingenious space-saving unit that slips right into your present closet and brings a new out of chaos. It is a perfect wardrobe for any home.

PHILIP HALL
36 East 49th Street, New York

---

**FRUIT SALAD (WINE SYRUP)**

One of the delicious French-in-glass importations of the Sherry kitchen—now obtainable in every other Sherry-approved table delicacy—through this newest expansion of Sherry Service.

$2.50 per glass
$20.00 per doz.
Mail orders filled

*Louis Sherry*

**TABLE DELICACIES SHOP**

Madison Avenue and 51st Street, New York

---

**Early Wall Papers**

usually represented some scene or picture, which avoided the continual repetition that appears in modern papers.

Old Scenic Papers are now practically extinct, but Zuber & Cie, Alsace, and Desfosse & Karth, Paris, fortunately have the original blocks, which are used to produce these papers.

Illustrations upon request... Can be ordered through your local Decorator or direct from

**A. L. DIAMENT & CO.**

Imperial, Jellies and Retailers of Interior Furnishings

101 & 113 Park Ave., New York
1515 Walnut Street, Philadelphia

THE VENUS

This charming small French Lamp (with finish of dull silver) could make any spot a corner attractive. Price $25

---

**IN THIS** day of complicated living the decoration of the nursery requires particularly careful consideration. A touch of sophistication may be a smart note, but care must be taken that when this present is made it in no way detracts from the general appeal to the tiny occupant of this kingdom. This is the utmost importance if the decorator would scale the furnishings to the user. (It is not a rare event to find a nursery furnished to suit the taste of adults rather than of the child).

R. H. Macy & Company are featuring several nursery rugs designed by Richard Falconer, an American artist, that strike a happy medium between sophistication and simplicity. A wise owl sitting on the limb of a dead tree is treated in a distinctly modern manner. Colors are blended from various shades of one tone to form a perfect harmony. Another design depicts an elephant perched rather riskily on a ball, much in the circus manner, with a naiveté moon and a star hanging haphazardly in the firmament above. This is available in all the pleasant colorings prevalent today—rose and gray with brown, blue and white, green and yellow. These chenille rugs may be used also in the bathroom since they are guaranteed washable and color fast.

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usually represented some scene or picture, which avoided the continual repetition that appears in modern papers.

Old Scenic Papers are now practically extinct, but Zuber & Cie, Alsace, and Desfosse & Karth, Paris, fortunately have the original blocks, which are used to produce these papers.

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SENSE of humour is necessary these days in order to appreciate some of the best of the latest rug offerings, especially those designed by Richard Falconer. Among the new designs are amusing caricatures that make especially good bathroom or bedroom rugs. An excellent hooked rug offered by R. H. Macy & Company has a sand-colored background against which is depicted a heron standing on one leg in blue-green water, with a wave rolling out into space. The border of this fanciful design is henna and blue, and finishes the rug in a becoming manner.

AMONG the new Bigelow Hartford modern rugs are a number of floral and small all-over patterns in soft colors that make excellent scatter rugs. Scatter-size modern rugs are somewhat more popular than the 9 x 12 size because even those conservative persons who are afraid to indulge in the modern movement to any great extent are tempted to invest without great expense, in a

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New York, N. Y.
November 12, 1929.

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if so I will wait for you and not try to
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small rug, merely for a trial. One of the newest patterns utilizes both the cut and the uncut wool yarn in a twisted and then a plain stitch, with an interesting effect. The motif is worked out in varied sized leaves in numerous shades of one color. It is available in small sizes and in the 9 x 12 size, in tans and browns, greens, or mauve tones. Grays, beiges, lavenders, blues and greens are the colors found most in demand.

S R AN G E as it may seem, the mountain workers who ply their trade at home and in quaint shops scattered throughout the Blue Ridge Mountain district, are beginning to do hooked rugs in the modern manner. Old fashioned geometric forms have been adapted to modern designs and are executed in all the tones associated with contemporary décor. One pattern called "The Shell" is worthy of a place in the most modern interior. It is worked in browns and black, with the center figure in rose and side motifs in:

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EARLY American hooked rugs are enjoying a healthy revival. American “Orientals” of the type that fits in well with 18th Century furniture, English, particularly, run a close second. Following on the heels of the latter in the order of popularity come modern rugs, which when you consider how new and different the patterns are, is not a bad rating. B. Altman and Company have several modern hooked rugs in soft colors, both domestic and imported. One interesting design has a soft orange border, a green ground with tones of gray shading into lavender. Cotton bathroom rugs imported from Germany offer smartly simple pat-

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By ROBERT S. LEMMON

AFTER five years of unremitting investigation and experimentation by Drs. G. W. Dunkin and P. P. Laidlaw of England’s Medical Research Council, the welcome announcement has recently been made by the London Field that the long-sought preventative treatment for distemper has been found and proved beyond a shadow of doubt. Thus those who have contributed to the Field Distemper Fund in this country and abroad have the satisfaction of knowing that their interest and co-operation have been abundantly rewarded.

The full report of the investigators is far too long to be set down here, but the gist of its conclusions is as follows:

Distemper is not caused by the germ bacillus bronchispticus, as was formerly believed by many who were working on the problem. It results from a virus or ultra-microscopic organism so minute that it cannot be caught even by the finest laboratory filter. Consequently, the immunization treatments which have been worked out from time to time on the bronchispticus theory are valueless.

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Jan.
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May
How to put your town house in the mood of summer—what to do for your country house—the latest, gayest, maddest whims in everything from living room curtains to kitchen furnishings.

### House and Garden Furnishing
June
Outdoors—the garden is growing new tables, new chairs and summer tea parties, gay new china and glass, as well as the flowers to back the garden's beauty. Charm costs little—when you copy House & Garden's suggestions, drawn from all over the world!

### Small House
July
Whether you want a small house because you have a small purse, a small family, or just a soul that prefers the small chic to the large—your house is sure to be here, complete to its chimney pots!

### Household Equipment
Aug.
The most practical mention of the year—the labor and time-saving device invented in the last twelve months, the whole list carefully censored by House & Garden to include only the very best. Even a new toaster shouldn't be installed till you've read every page.

### Autumn Decorating
Sept.
Here's where you learn just how the penultimate is swinging between the traditional and the modern, for House & Garden has worked six lively months on this number to show you not only what is being done at the moment—but what will follow it!

### Fall Planting
Oct.
The wise garden goes to bed as directed by House & Garden, if it's to wake up next spring to best advantage. No matter how good a gardener you are—this issue will bring you tips.

### House Planning
Nov.
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### Christmas Gifts
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IS NO CHANCE CREATION

FOR the first time

in the history of motor car design an authentic system has been devised, based upon the canons of ancient classic art.

Chrysler designers realize fully that beauty is an elusive thing and that the pursuit of it in motor car design must not be hampered by too rigid adherence to laws and conventions.

But Chrysler has also found that there are so many glorious precedents and inspirations in art, architecture and design, that the search for authentic and harmonious symmetry can actually be reduced to something like a scientific system in which results are certain.

Chrysler has left nothing to chance... Chrysler has not relied alone upon the inspiration of individual designers.

Chrysler has sought instead to do something never done before in motor car design—to search out authentic forms of beauty which have come down the centuries unsurpassed and unchallenged and has translated them in terms of motor car beauty and motor car utility.

The lengths to which Chrysler designers have gone in this patient pursuit of beauty will doubtless prove a revelation to those who have probably accepted Chrysler symmetry and charm as fortunate but more or less accidental conceptions.

The Chrysler process goes far deeper than any charming but accidental conception.

Chrysler's classic style and beauty have won the admiration and enthusiasm of thousands of motorists the country over—New Chrysler "75" Royal Sedan, illustrated.

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GARDENERS, it would seem, fall into two classes—the horticulturists and the landscapers—those who grow trees, shrubs, flowers and vegetables for the particular interest each individual type of plant offers, and those who grow them for the landscape effects they make when combined with each other. To the former, gardening is a science; to the latter an art.

These two distinctions may appear finely drawn, but going among gardeners one will eventually discover that the divisions are true, and men and women gardeners alike fall into them with the snug click of nickels into a subway entrance gate. For the horticulturists' gardens are often a dazzling jumble of color and form and variation, and the landscapists' gardens are restrained, set and disciplined and usually limited in plant material to a few kinds. The one garden is a heterogeneous collection like a crowd of people, the other a well-selected company. Nor can it be said that one is a finer garden than the other because each is planted for a different purpose. To compare them would be wrong because the divisions are true, and men and women gardeners one will eventually discover that the divisions are true, and men and women gardeners alike fall into two classes—the horticulturists and the landscapers. To the former, gardening is a science; to the latter an art.

But whether one's garden be horticultural or landscaped, whether to one gardening is a science or an art, the dirt that is upon the gardener's hands is a clean, scoured, and bright the tarnished and disease, in the knowledge of the animal in us, for the dirt must leave its soot upon us. The dirt it leaves on our hands is a dirty dirt. And many of us, alas, cannot see that it is there. But the dirt that is upon the gardener's hands is a clean, obvious dirt. It is, moreover, a cleansing dirt, for it will wash away the soiling of the world, it will scour clean and bright the tarnished hands we bring to it.

The practice of dirt gardening, then, is even more than a way of life; it is a way of salvation. Many are leaving its soot upon us. The dirt it leaves upon our hands is a dirty dirt. And many of us, alas, cannot see that it is there. But the dirt that is upon the gardener's hands is a clean, obvious dirt. It is, moreover, a cleansing dirt, for it will wash away the soiling of the world, it will scour clean and bright the tarnished hands we bring to it.

The practice of dirt gardening, then, is even more than a way of life; it is a way of salvation. Happy are the people who choose to walk in it.
The Treasure has been found. It is shared with all those who love sweets. The trail of the treasure hunter leads to the sign of the nearest Whitman agent—Ask him for Whitman’s Pleasure Island Chocolates.
Phlox and purple Aubretia. Golden bells will a swag of Spring!

Early Furniture Migration. It would be pleasant, one of these days, to study the migrations of furniture—to follow the trail of New England heirlooms to the Ohio Valley where the early settlers took it, to trace it on through the opening West as it was carried by pack train and covered wagon to the Coast. Another trail to follow is the wandering of the Windsor chair from its first source in Philadelphia. Boston papers in Colonial times often spoke of it as the Philadelphia Windsor and it took on the added value of being an importation. Yankee cabinet-makers soon copied it, however, so that the general impression is that it came from New England. Being canny folk, Yankees never denied it, and being slow folk, Philadelphia never pressed their claims. So there you are.

The Treasure. Howard Pyle once painted a picture called "And So The Treasure Was Divided." It showed a sunny bit of land on which pirates—big-boned and thick-muscled—sat around the vast area of this country. The garden world, and the world of Roses especially, will be poorer for the passing of Pernet-Ducher. This master passer of Roses is one of note, is also Vice-President of the French Rose Society and Fellow of the Royal Horticultural Society of England. We also welcome the opportunity of showing the work of two talented landscape specialists—Charles G. Adams of Los Angeles, California, and C. Carpenter, who designed the Drury garden at Augusta, Georgia.

If Spring were conscious of her loneliness. And laughing, strewed her duties to the air Without a thought for nature's fruitfulness. Aware that gods and men forgive the fair—
See how her graces could seduce, With Aphrodite's mirror in her hand, Assured that "Beauty is its own excuse," She flaunted, danced, through a barren land— Would she be exquisite as she is now, Absorbed in planting clover for the bees Or tilling fields with April's rain-pronged plow, And stitching fields-kissed blossoms to the trees? Would she be equal fair if, with a toss, She left off hiding azure in the moss!

Easter Pasque. The garden world, and the world of Roses especially, will be poorer for the passing of Pernet-Ducher. This French creator of Rose hybrids left a deathless heritage in the superb blooms of Mrs. Aaron Ward, Souvenir Claudius Pernet, Ville de Paris and many another that will live as long as men love Roses.
In midsummer the placid surface of the pond is overlaid with the Waterlilies' plate-like pads of green—fit service for the blossom delicacies that rest among them, a banquet of color under the droopy blue of the sky. Photograph shown by courtesy of William Tricker, Inc.
ON a summer afternoon the bench in
the shade of the vine-covered arbor
is pleasantly cool. Out in front, set in the
smooth green matrix of the lawn, the pool
mirrors a sky of fleecy white and that un-
fathomable blue which is equaled at no
other season. On the water's surface ex-
quise blooms in varied colors nestle among
bronze-green leaves like the facets of a
diamond; from beneath them flashes now
and then the gleam of a goldfish. While
we watch, a robin comes to splatter in
the shallow water near the edge, sending
a shower of sparkling drops over the
complacent old frog who is luxuriously
sunning himself on a neighboring rock.
A dreamer's idyll, do you say? Yes, but
an idyll that readily comes true, for it is
no more than anyone can win with the
aid of Waterlilies and a bit of garden space
which can be dedicated to them.

For there is no mystery about Waterlily
culture, no special skill involved. Many a
flower lover will strive for months to get
his favorites to bloom as they should, when
There can well be planting around the
edges of the garden pool, but it should
always be kept restrained and sec-
condary to the appeal of the water and
the beauty of the large blooms
in Waterlilies he has one flower that will
thrive and bloom all through the season
and need less care than anything else in
the garden. It hardly seems possible that
such beauty may be had with so little trou-
ble, but you can enjoy it in your garden
by simply providing the proper setting.

First you must be able to visualize the
picture you wish to create. This may not
be easy to all, but if you cannot see it
yourself you may secure the help of a
trained landscape man. And when at last
the picture is complete and the flowers be-
gin to unfold, you will experience a thrill
of real satisfaction that will far surpass
any other that a garden can give.

Let us consider the matter from a practical side—the only sensible way in garden affairs. It is all very well to dream of beautiful flowers, but if you don’t set to work with a spade you won’t have many blooms. And if you want the great pleasure of having Waterlilies in your garden you must plan far in advance of their blooming season. They are without question one of the easiest of all flowers to succeed with, but there are several special requirements that cannot be overlooked.

The first thing is the location of the pool. Lilies must have full sun at least two-thirds of the day. If your land is irregular as to level, select the lowest spot for the pool as that would be the most natural setting. If you can visualize and develop a naturalistic pool and its surroundings you will have a more charming effect than if a more formal type is created. The more formal pool is better for a level location. To create a perfectly natural looking effect with water, rocks, flowers and shrubs takes real skill, and your success will depend upon how carefully you study Nature’s masterpieces in the shape of ponds, streams and rock formations. These should be the guides. The problem will prove most interesting, and when you have succeeded in creating a little bit of natural scenery in your garden you will have more than repaid for all the study and time given to it.

As to the size of the pool, this will depend to a large extent upon the amount of money you wish to invest and the space you have available. A pool eight by twelve feet may be built under ordinary conditions at a cost of not more than fifty dollars for materials; the labor can be merely common day labor, providing someone in charge understands simple concrete work. A pool of this size will accommodate three Lilies—enough for the average small garden. The depth of the
pool should be about two feet in the center when it is finished. This will allow for a foot of soil and a foot of water.

The ideal shape to give your pool is a sort of saucer effect. There are two distinct advantages to this shape. First, if you are located where the water in the pool may freeze deeply in the winter, the sloping sides will not allow the ice to grip the sides of the pool and do any damage. Many years ago I built a pool of this shape in Minnesota and in the fall after removing the Lilies I simply filled it with water and forgot it till spring. It always came through the winters unharmed. In locations where the frost goes deep, as it does in the Northern States, you must be sure to provide drainage below the concrete of the pool. This may be done by putting in a six-inch layer of cinders or sand below the pool and tamping them well. This is very important and, together with leaving the water in all winter, I believe is the secret of the pool not suffering ill effects from the freezing weather.

The other advantage of building a pool in the saucer shape is that it is much easier to build that way. You need no forms and there are no corners to develop weakness. The concrete should be at least six inches thick; eight inches is better. You might make a small saving in material if you did not make it so thick, but you take the chance of its cracking and then it will always give you trouble. Also, it must be reinforced in some way. In my own pool I used the expanded metal lath that is employed in buildings for stucco work. The way to handle it is to put down a layer of cement mixture about three or four inches thick and tamp it down well to get rid of all air pockets; then fit the metal lath to the shape of the pool, lapping it well at all joints and wiring the pieces together. Finally, put in the second three or four inch
layer of cement mixture and tamp this in very solidly so that it makes a perfect joint with the first layer and the whole mass of concrete and metal lath will be one. This may sound rather difficult, but it is really very simple.

The concrete mixture should be fairly rich—say, about one part cement, two parts sharp, clean sand and three parts crushed rock or gravel that has been screened through a half-inch screen. Mix this well and do not use too much water lest the stuff be too soft and not stay where you want it. The mixing is very important; in this a mechanical mixer will help greatly, though handwork done in an ordinary mortar box is perfectly all right.

When the cement work is all in and troweled smooth you will want to give it a coating of clear cement to fill up the pores and make it as nearly waterproof as possible. To do this take a small quantity of cement and wet it with just enough water to make it into a paint-like mixture. Apply this with a large paint brush to the whole inside surface of the pool, putting on about three coats with time to become almost dry between them. The next thing to do is to see that it cures properly; for this, you must spray the surface every day and should keep it covered with some canvas or burlap for the first two weeks. This will prevent surface cracks and checking. At the end of three weeks your pool will be ready to plant and fill with water.

Waterlilies are rank feeders and must not be stinted. The best plan is to fill the bottom of the pool with especially prepared soil and plant the roots directly in it. The soil should be one-third thoroughly rotted barnyard manure and two-thirds the richest top soil you can obtain. That which you make in a compost heap is the best; it needs to be full of humus and decayed vegetable matter. The whole thing must be thoroughly rotted and well mixed or it will ferment and form a green scum.

(Continued on page 172)
IN A CALIFORNIA COURTYARD

Simply planted pools are ideally adapted to featuring in a patio or an inclosed garden nook, supplied with fresh water from a small wall fountain or inconspicuous jet, they can drowse undisturbed in the sunshine. Charles G. Adams was the landscape architect.
Across the Winter-worn Countryside Stirs a Vague Restlessness as

The Rumor Spreads that Warmth and Pleasant Sunshine Are at Hand

Up from the South, on nights in March, the feet of Spring come a-tiptoe through a land that is drab and worn and old. Light, silent feet they are, as befits those who hesitate to intrude upon Winter's austere presence, yet there is in them a poignant magnetism. A thousand frost-weary lives feel it and creep into activity. Brooks awake and brim bank-full, Willow and Maple and Osier brighten their colors, the lowland meadows grow vibrant with the tinkling of hylas. In the lee of the house, on sunward-facing banks beyond the garden, among the brown, crispy Oak leaves scattered down the south slope of the pasture, a hint of green tinges the grass. We stoop to savor it more intimately, to scrutinize the faint, up-thrusting points of the new growth, and while we kneel there floats from the orchard across the road that trust of all spring messages, the rich, infinitely welcome warble of the first bluebird.

Who shall say when Spring begins? One cannot mark it by the melting of the last snow or the falling of the final icicle, for it may have commenced long before those cheerful events. It is no more a matter of an arbitrarily decreed calendar than are the comings and goings of clouds or the directions of the winds; John Burroughs made that clear years ago when he drew his distinction between the first day of Spring and the first Spring day. Nor is it an event that comes suddenly and unheralded; like all the seasons of the year, its scouts ride far in advance of the main column, spying out the country and whispering covertly to those restless spirits who need but a little encouragement to rise in revolt against Winter's regime.

It is by the spring-hole down in the swamp that the invisible outsiders find their readiest welcome. There, among the withered leaves that carpet the ooze just above the ice-line, slender reddish scimitars mark where the buds of Skunkcabbage are stirring vaguely. Strange, lowly plant, dweller in dankness and obscurity, a rank proletarian among the withered leaves that carpet the ooze just above the garden, converting the low spots in the country byroads into bogs incrust them. Overnight the first robin arrives, and close behind follow phoebes and redwing blackbirds. The frost loosens its grip, heaving the bare ground in the garden, converting the low spots in the country byroads into bogs that seem to have no bottom. In the still evening air small companies of grats rise and fall in oddly vertical dances, and suddenly we realize that the great uprush of the Spring is here and Winter, his harsh spirit broken, is in full retreat.

And what an overwhelming, unbelievably complex resurgence it is, this awakening of an entire world, especially in the realm of plants! Countless trillions of hidden roots, each with the task of reproducing the exact counterparts of the leaves and stalks and blossoms which sprang from it last year! Let a wee Hepatica far up in the glen neglect to bear its accustomed number of stamens, or a Marsh Marigold flower in the fastness of the swamp so fail in its duty as to produce four petals instead of five, and the fate of Creation hangs in the balance. Nature's salvation lies in fidelity to innumerable and inextricably mingled details. Should some unruly herb challenge the law, producing flowers that varied from those allotted to it under the Great Scheme, swift discipline would descend: plants from the seed which the errant blossoms brought forth would revert to the true type, ignoring their bold parent's influence. There can be no escape for the lowliest, most hidden plant, even in the throbbing intensity of the young year's impulses.

It is in this immutable re-creation, perhaps, that is to be found the peculiar appeal which Spring, of all the seasons, holds for mankind. However severe the Winter, to whatever extent we may have been discomfited by its rigors or discouraged by the bleakness of its outlooks, we know that at its end there will return a host of time-tested friends whose every face and figure is familiar. As the weather warms we watch eagerly for their coming—the old bird neighbors, the green frog that for years has lived in the springhouse below the orchard, the Tulips and all the gay company of the hardy border. At first singly and with hesitation, then in constantly increasing numbers and confidence, they hear the invitation and respond. And in the rising tide of their enthusiasms our spirits are caught up and carried on to old accustomed heights that are forever new, forever fresh and rejuvenant.

Robert S. Lemmon
THE BIRCH ALLEE

Slim and gleaming against the somber stillness of an evergreen forest, the Birches rise white-ranked to the free sunlight of the upper air. No shrubs, no undergrowth to complicate the composition—

the very essence and perfection of simplicity is found along this bridle-path
Mme. Albert Barbier is a new type of Rose that combines the hardiness of the famous Druschki, the foliage of the Pernetiana and the color and flower profusion of Mrs. Aaron Ward.

Of medium height and everblooming character, Mme. Albert Barbier may be planted among the tall Hybrid Teas. Compare this expanded blossom with the younger one at the left.

THE RENAISSANCE OF THE HYBRID PERPETUAL

A Sturdy Type of Rose that Is a Boon to Gardens Where the More Delicate Sorts Are Not Safely Hardy

J. H. NICOLAS

There is no denying the fact that in our mad desire for "everblooming" or "monthly" Roses we have neglected the Hybrid Perpetuals, a class of varieties as beautiful as, and sometimes more sweetly perfumed than, most other garden Roses. Of a rugged constitution, they will stand the extreme cold of the North and the heat of the South, prosper under adverse conditions and fairly resist the diseases that defoliate our more delicate Hybrid Teas and especially the Pernetianas. Hybrid Perpetuals are hardy anywhere in the United States and most of Canada, while North of the Mason and Dixon line the Hybrid Tea as a class is safely hardy (without protection) in but a few privileged locations.

The Tea Rose was the aristocrat of the gardens until 1842, when this new race of brilliant parvenus appeared and soon developed into a mighty army that swept everything away on its road to the supremacy of Rosedom. This impression can be gathered from the fact that in 1902 Monsieur Jules Gravereaux had collected 1690 varieties in his famous Roserie de L'Hay near Paris. Of these but few are today found in American gardens. This neglect is really regrettable, for the varieties remaining on the nurseryman's list are not always the best of that once numerous family, and certainly are not better than these glorious Roses; Geant des Batailles, fiery red; Empereur du Maroc, a velvet even darker than the noted Chateau de Clos Vougeot (either wine or rose); Oscar Cordel, which Admiral Ward thought to be the best of the pink Hybrid Perpetuals; Victor Hugo, Van Fleet's favorite crimson; Xavier Olibo, a maroon velvet of great depth and exhilarating perfume. What a great pity it is that nurserymen, heeding the diminishing sales, should have so shortened their Rose lists as to deprive us of such gems!

Truly, the origin of the Hybrid Perpetual is not very definite, although it is attributed to crosses of Gallica and Damask which bloom but once, with some extremely floriferous forms of Bengal resulting in a new type that retained the vigor, robustness and hardiness of the Gallica and acquired the faculty of blooming again in the summer or autumn of the same year. Later the pink form of the Tea species may also have been used, and to the Tea, which in its Asiatic habitat is a rampant climber, may be traced the exuberant growth of some varieties. The English growers were so enthusiastic over this second blooming that they applied to the new race that name Perpetual which proved to be slightly exaggerated. The French, more conservative, called it Hybride Remontant which literally and
Among the hybrid Rugosas in which Hybrid Perpetual characteristics predominate is Conrad F. Meyer. Its vigorous habit adapts it to training in pillar form.

More truthfully means that the sap may ascend again in bloom. Botanists followed the sense of the French version and named the new strain *Hybrida bifera*—blooming twice.

The remontance (or recurrence) of the Hybrid Perpetual is most often a matter of treatment and sometimes of climate. Generally the plants are neglected and left unpruned and abandoned to themselves; the quality of their flowers decreases each year as the wood grows older. Considered as June Roses only, they are relegated to oblivion as soon as the Spring bloom is over, to become the prey of insects and diseases, mainly mildew. If Hybrid Perpetuals received half the care bestowed upon Hybrid Teas they would give a better account of themselves, actually surprising us. Many varieties would reward us with a succession of blooms, some even being almost "perpetual".

Like the Hybrid Teas, Hybrid Perpetuals must be rejuvenated each year. When this is done—cutting at the base all wood over one year old—the remaining canes are shortened. The lower the cut the more beautiful and perfect the blooms will be; about fifteen inches from the ground is right for vigorous varieties such as J. B. Clark, Frau Karl Druschki, etc., and lower (eight to ten inches) for less rampant ones. Without knowing the variety (most (Continued on page 194)
A RE you lucky with seeds?
Some people seem to be —there's no denying it. And
some think they are unlucky. Others say nasty things about
the seedsmen for having sold
them old, dead seeds.
The truth of the whole
matter is that we are just
commencing to learn some­
things of the science of seeds
and seed germination—by
no means, as yet, all there is
to be learned, but enough to
make possible the beginning
of a check-up on the art of
growing plants from seeds as
we have practised it in the past. As is
usually the case in such instances, many of
the points in our former practice are found
to be based on scientific principles, while
others have no such logical foundation.

These new discoveries are not merely
of academic interest. Already they have
helped the commercial grower to overcome
some of his most perplexing problems. The
purpose of this article is not to give a
scientific resume of these latest experiments,
but to show how the knowledge which has
been gained may be used by the lay garden­
er in his everyday work to take some of the
guesswork out of propagation from seed.

Incidentally, very few amateur garden­
ers come soon to appreciate the many won­
derful gateways to new gardens which will
open to them at a touch once they really
master the fine art of growing from seed.
Rare things from around the world, no
longer to be imported except in the form
of seeds; flowers from the mountains and
valleys of our own West and Northwest,
which are not yet included in the nursery
plant lists; new horticultural varieties, as
yet very expensive to procure as plants—
all these are available to him
or to her who has learned how
to handle seeds; they open a new
world of gardening with horizons
far beyond the old. And not the
least pleasure-giving detail of this
new experience will be the fact
that frequently there are surpluses
of plants for one's garden-loving
friends—sometimes things which
they could not possibly obtain
anywhere for themselves.
The mechanism of a seed is
in itself a fascinating thing.
Almost anyone knows of some of
their curious characteristics; for
instance, the downy para­
chutes, the spreading wings,
the tenacious hooks, which
are employed as different
means of securing distribu­
tion over wide areas. Less
well known is the fact that
time-distribution is secured
by Nature by variations in
seed structure, some mechan­
ical, some chemical. Some
seeds are timed to "go off"
immediately at maturity and
some have delayed fuses.
The early-seeding varieties of
Maples will sprout, in rainy
weather, almost as soon as
they hit the ground; I had to remove hun­
dreds of little seedlings from a newly made
lawn under a White Maple last spring. The
late-seeding hard Maples, on the other
hand, not only do not germinate at the time
that the seeds fall, but they cannot be made
to germinate under any conditions until
the seed has remained dormant for a
considerable period of time. This is called
"after-ripening."

With different seeds, not only the length
of time, but the temperature at which they
must remain during at least part of the
time, varies greatly. At the Boyce-Thomp­
sen Institute for Plant Research, at
Yonkers, N. Y., experiments are being
carried on to determine the exact time and
temperature for each of the more important
kinds of seeds, which will give the max­
imum germination results. It has been
determined that for many Roses from cool
climates this is 41° F. There is usually
some latitude, but not much, in temperature;
and a minimum time. The practice of stratifying
or burying seeds for a period before plant­
ing, developed by nurserymen from practical
experience, is thus found to have a scientific
basis. With the new information
that has been gained, the guess­
work being taken out of sowing
and methods that will give more
certain results used instead.

Still another class of seeds is
those which Nature has provided
with shells so hard that they may
lie for months or even for years
(Continued on page 184)
BORDERS THAT ARE ALWAYS GREEN

The garden walk which is flanked by living green at all seasons thereby gains a tangible asset. At the home of F. E. Drury, Augusta, Georgia, it is composed of Box and conifers with flowering plants intermingled. Other views are on the following pages. C. Carpenter was the landscape architect.
A GARDEN TO THE TREETOPS

Fortunate is the gardener whose opportunities extend far above the soil, for he has the chance to build effectively to the very treetops. Such possibilities were developed to the full in the Drury garden and the result has been compositions of rare beauty and a pervading sense of sumptuousness.
SHRUBS IN THE GARDEN PICTURE

One of the brick-paved walks in the Drury garden curves between Box edgings behind which a collection of Azaleas in full flower makes noble display. Back of these, again, taller shrubs build up gradually to the trees. Other views of this garden are shown on the two preceding pages.
FLOWER WORTHIES FROM THE ROCKS

The Saxifrage Family Makes Many Valued Contributions to the Rock Garden
Which Is Properly Built and Maintained

LOUISE BEEBE WILDER

Undoubtedly there is no genus of plants so valuable to the rock gardener as the Saxifrages, or Rockfoils, as they are sometimes called. Their blossoms are the daintiest imaginable, the variety of leaf form and texture among them is infinite and extremely interesting, and the best of them are true saxatile plants, fitting into crevices and crannies, enveloping rocky surfaces, hanging from ledges with the perfect harmony of aspect possible only to plants which are born to such situations.

As with Gentians, our nurseries have been slow to help us to a knowledge of these fine plants that figure so prominently in every garden of the Old World; but a demand is being steadily voiced now and is bringing a supply, so that at the present time it is possible to acquire a collection of considerable scope and variety. Growing Saxifrages from seed, while perfectly possible, is work for the careful and patient gardener and is rather slow.

Saxifrages, it should be here stated, are not as easy to grow as Arabis and Sunrose, but many of the species are far more amiable than is generally supposed and may be quite comfortably accommodated in any well-built rock garden. The conditions in my own rock garden are far from ideal from the point of view of a high alpine, yet a fairly large collection of the Encrusted or Silvery Saxifrages is therein thriving, the “Mossies” are kept in very fair health, London Pride is at last, after many trials, apparently placated and established, and I have one little hybrid Kabesia, or Cushion Rockfoil, over which I am praying to all the gods supposed to keep a friendly eye upon gardens. It is safe to say that any one who wants Saxifrages (and no garden can be said to be complete without at least a few) may have some of the many kinds to be had—and without too great trouble and anxiety. Mr. Clarence Lown has a splendid collection in his Poughkeepsie garden; Mr. Cleveland Morgan’s collection is as fine. In the Central West Mrs. Wolcott and Mrs. Carl Miner are growing them with fine success, and in the Northwest they flourish almost as well as they do in England.

Members of this vast genus are to be found scattered over the whole of the north temperate world, but it is agreed that the finest kinds, those that are the most ornamental in the rock garden, are native of the mountains of Europe. We have a number of species in North America, but I do not know that any of them have attained to great fame as garden flowers, and it is probable that few of us are familiar with any of the native species save the little Early Saxifrage, whose pinky white blossom-heads stud the rocky hillsides of the eastern United States in April and May. Mr. Durand usually has a fine display of this pretty spring flower on his well-clothed rocks in Bronxville.

But a glance at the illustrations accompanying this article will show how great is the diversity among these plants. To begin with the so-called Mossies (whose verdure is of a bright green moss-like character), the easiest among them are S. trifurcata and its variety ceratophyla, called the Stag’s-horn Rockfoil. These are natives of Spain; their foliage is of more substance than that of Mossies generally, and is deeply cut. The flowers are pure white and borne in great (Continued on page 202)

The Meadow Saxifrage (S. granulata f. pl.) is a dainty ornament for bold places in the rock garden. Its double white flowers are borne abundantly during April and May.
(Above) A group of early flowering Mossy Saxifrages, among which is S. baranana, with clumps of dwarf Iris at the right and a background of Primula denticulata

(Left) One of the delights of the late autumn rock garden is S. fortunei with rounded leaves and white blossoms. It likes a sheltered spot

(Right) A prominent member of the Encrusted group is S. lingulata, not always obtainable in true form. It has long, heavily silvered leaves

(Below) Saxifraga andersonii is related to the lovely London Pride. It is a notably choice plant but seems to be a somewhat difficult subject here

(Below) In S. lingulata, of which a flower stalk from a pot-grown plant is shown at the right, are found interesting leaves and inflorescence

(Below) Saxifraga andersonii is a lovely and distinct kind with rosettes whose shell-like beauty is suggested in these pot-grown plants. Its ruddy flower stems bear white blossoms
THE MAKING OF
PAPER SCREENS
WILLIAM I. TUCKER

WALL paper screens have recently become so popular that there is scarcely a well-furnished house these days that does not boast at least one screen of this decorative type. Paper screens for the dining room, living room and bedroom are usually of the three- or four-fold type, in a height of from five feet, six inches to six feet, each fold being from eight to twenty-one inches wide. There are also fire screens, generally single panels of from three to four feet in width and four and five feet high. Bathroom screens vary depending upon the size of the room. These screens are of the three-fold type and miniature in size, four to five feet being the usual height, with panels about eighteen inches in width.

In the construction of a screen the most important part to consider is the frame. This...
should be made from kiln dried lumber so that it will not warp. In making a screen, each wing is made separately and then all parts are joined together after the paper covering has been applied.

The frame or skeleton formation is usually made from white pine. There are two uprights, a cross piece at the top which can be straight or cut into any desired shape, a piece at the bottom and one at the center. These are joined together by tongue and groove connection and are glued into place. The frame is then covered on both sides with compo board which is glued and clamped on with small brads. To finish, the edge is sand papered smoothly. In making the wings of the screen the width should be determined by the width of the paper. The wing should be slightly narrower than the paper so as to allow for folding over the edges. Places for the hinges should be chiseled out of the side half way down the wing nine inches from the top, and nine inches from the bottom. This frame can be made easily by a good carpenter or bought in a shop specializing in unpainted furniture.

Before placing the paper on the board it (Continued on page 150)
Exquisite examples of the new crystal are these mantel accessories from France—a glistening candelabrum with a mirrored base, a two-light candlestick on a blue glass stand, low mirrored candle holders in step effect, an amusing parrot cigarette holder and the "Tumblers", a spirited group in white glass on black basalt. From the Maison de May, Paris; imported by the Park Avenue Galleries. The smart clock is modern inside and out. Being electrically wound it keeps accurate time and needs no regulating. The simple metal case in two shades of dull silver with numerals in black. Frankl Galleries

MODERNISM REACHES THE MANTEL

ILLUMINATING THE MODERN DESK
FOR THE DRESSING-TABLE OF TODAY

As it marks a transition between the indoors and the out, the sunroom takes on some of the character of each. The sunroom shown above, which is in the home of Graniland Rice, at Easthampton, L.I., has a background of emerald green walls glazed with aquamarine. Chair cushions and sofa are covered in a hand-blocked linen decorated with brilliant floral patterns against a yellow ground.

Elizabeth H. Poock, decorator

The revival of interest in Early American decoration brought along a revival in the popularity of pine paneled rooms. Some have the crudity of primitive days and some are finished with austere dignity befitting the simple, sturdy furniture designed to be placed before them. Such dignity and simplicity are to be found in this corner of the home of P. A. S. Franklin, Jr., located at Glen Head, L.I. The decorator was Jane Teller.
The two views on this page are of the dining room in the Granland Rice home at Easthampton, L. I. Both walls and ceiling are plastered and the wainscots, mantel, sideboards and trestle table are of old pine.

Color is found in the curtains and the rug; the hangings buff with a fruit pattern in blue, henna and green over buff silk voile casement curtains. The interesting rug is a copy of an old hooked piece.
March, 1929

The living room in Ring Lardner's home at Easthampton, L. I., is paneled and floored in Pine. Old tiles decorated with ships and flowers in mauve surround the fireplace opening. Elizabeth H. Peacock, decorator.

In the Lardner living room hangings and upholstery are in copper-toned Linen. The orange, yellow and green of its pattern are repeated in the old hooked rugs, and form a pleasant contrast to the Pine walls.
PAINTED MIRRORS

BY ROBERT PICHENOT

(Right) “The Sailor’s Return” is depicted in this mirrored bath recess. The motif was inspired by a hand-blocked wall paper made for this room in the Southampton home of Colonel H. H. Rogers. It shows a sailor enjoying the tropical wealth of the South Seas.

Above is another view of the bath alcove shown on the opposite page. The painted mirrors represent a naive 18th Century French peasant scene in tones of rose, green, beige and tan. This detail of the village green is a bright note amidst the walnut paneling about the niche.

At the right is another view of “The Sailor’s Return”. In the far panel the bright red of the Hessian’s uniform high up in a tree illuminates the rural scene. In the left panel the outstanding colors are the greens of the trees and the blue and white of the uniform.
AN OUTLINE OF GOTHIC FURNITURE

The Massive Construction of These Pieces Was Offset by the Delicacy of Their Traceried Decoration

MR. AND MRS. G. GLEN GOULD

CLASSIC proportion and ornament were never submerged in Italy, but northern and western Europe felt successsively the Celtic and Romanesque as they had the earlier styles of decoration, until they developed a superb and entrancing mode peculiarly their own in the Gothic style. The age of cathedral building, which followed the Crusades and the pushing of the Moors southward toward Africa into the narrowing kingdom of Granada, brought this new type of ornament into general use. It was espoused with the zeal of religious fervor and entered into the everyday lives of the people as had no kind of art or ornament since the great days of Greece. Everything that could be decorated in the home or in the Church had its bit of simple or elaborate Gothic tracery or piercing. A little food cupboard in a home-like kitchen was pierced with a simple ornament which was fashioned exactly like one of the motifs picked from the multiplied enrichment of a Cathedral.

Gothic construction is uniformly architectural, rectangular, solid, massive, made of wide planks in box-like form. Curvilinear and lighter construction is exceptional, but occurs in the curule or x-shaped chairs of Italy, France, and Spain, and also in the curved Classic types in Italy and France, especially those executed in iron or bronze with back and arms carried out in a continuous railing curved about the seat.

Ornament consists of plain or decorated paneling, framed in molding; painting; applied plaster-work—molded, carved, painted and gilded; inlay; marquetry; carving—pierced, high and low relief. Painting—plain colors, or pictorial scenes, and figures. Carving—uses architectural motifs: trefoil—three-leaf or lobed motif—quatrefoil, etc.; grape-vine; crocket—small leaf cluster; crozier—leafage in curved form like a bishop’s crook or crozier; rosace—rosette, a conventionalized flower; intricate tracery in compartment designs resembling Cathedral windows; and linen-fold—simulating folded or plaited cloth. Metal mounts—iron, elaborately wrought; long hinges end in foliage—leafage; locks are elaborately ornamented with tracery and piercing. Oak was much used in France, Flanders and England; walnut in France, Flanders, Italy and Spain; and other local woods in each country: beech, elm, and probably pine and chestnut in England.

Notable pieces are the painted Italian cassone—chest, and the French coffre—chest, with fine traceried carving; French...
and English drawer—dresser or cupboard; inlaid Spanish sill—
chair, especially curule; buffet—
credence, credenza, of France, Flanders, Italy and England; besides the imposing high-backed
dossier—bench.

A brief classification will give the
general scope of the Gothic styles as
they are found in the furniture of
these different countries.

**FRANCE (1100-1515)**

**Construction:** Rectangular, archi

tectural in character.

**Ornament:** Design motifs are
handled differently in various
provinces, but French carving is
generally distinguished by its sharp
clean-cut detail, giving a flat effect
across a minutely carved chest
front; a typical precision, and nicety,
an exquisite and finished effect,
leaving nothing to the imagina-
tion but nothing further to be
desired. Plain or stamped leather
and fine textiles woven in Gothic
ogival—pointed oval—and other
designs were used for cushions and
loose coverings on chairs and tables.

**FLANDERS (1100-1500)**

**Construction:** French in adjoin-
ing districts, primitive central Eu-
ropean types in other sections.

**Ornament:** Sumptuous foliated
arcades with scenic designs executed
in relief. Natural rendering of hu-
man figure and face, usually tending
to caricature and satire.

**SPAIN (1250-1700)**

**Construction:** Rectangular and
heavy in the north, and light scissor-
forms in the south.

**Ornament:** French influence in
the north, Italian in Barcelona.
French designs were used by Moor-
ish craftsmen. Superbly wrought
leathers and sumptuous textiles,
locks as elaborately ornate as fine
lace work. Venetian certosino—in-
laying—was popular.

**PORTUGAL**

**Construction and Ornament:**
Quite similar to those of Spain given
in detail above.

**ITALY (1250-1400)**

**Construction:** Rectangular, cur-

vilinear in curule type.

**Ornament:** French influence in
north, Oriental in Venice, else-
where Romanesque. Multiplying
of small rectangular panels; beau-
tiful window-like tracery in com-
artment designs; carving, painting,
gilding, intarsio—marquetry and in-
lay, pastiglia—gilded or colored
plaster-work in relief—much gild-
ing; Venetian certosino—black and
white geometrical marquetry of
wood, ivory, and other materials.

(Continued on page 154)
VERSATILE LIBRARY STEPS

Among the Interesting Furniture of the Past Are Tables, Chairs and Benches

That on Occasion Became Sets of Steps

HAROLD D. EBERLEIN

THE latter part of the 18th Century might well be called “the age of ingenious gadgets” in the way of furniture. Of all the furniture designers of that time, Thomas Sheraton was the one who excelled in devising clever contrivances so that one piece could fulfill two or three utterly different purposes. By pushing a spring or pulling out a slide, a chair, a table, or whatever else it might be, was immediately transformed into something altogether different, with an altogether different use.

There were the “Harlequin” tables, for example, that did all manner of marvelous things and took on a diversity of shapes, if properly manipulated by one who understood how to push all the springs and pull all the slides. Then there were the dressing stands, fully equipped with mirrors, patch boxes, pomade jars, powdering paraphernalia and every imaginable toilet accessory devotees of fashion could wish, that turned into side tables by merely pushing in a drawer. Again, many pieces of furniture, described by Sheraton in his Cabinetmaker’s Dictionary as steps “placed in a library for the use of raising a person so as to reach any book,” were ascended by flights of steps, either straight or winding, and had handrails on one or both sides. But at best they were always somewhat ungainly objects and very apt to be in the way in any except the largest libraries.

During the 18th Century the libraries in private houses increased greatly in size; with the rapidly growing number of books in private possession, it would have been impossible to keep the volumes “lying one upon another on my chairs”, as Mr. Pepys tells us in his Diary he did his until he got his first book-press from “Simpson the joiner.” Nor did the bureau-bookcases and comparatively small book-presses or cupboards suffice. We have the abundant evidence of interior architecture, showing how customary it was to have libraries lined with bookshelves extending all the way to the ceiling, and library steps of the portable pulpit type “to raise a person so as to reach any book” on the top shelves took up altogether too much space in a room of ordinary size.

Necessity, therefore, promptly brought forth the invention of chairs, stools and tables made in combination with steps, so that when the steps were not in use they could be folded away and the chair or table resumed its wonted appearance and use. From the middle of the 18th Century onward, library steps of this kind were of common occurrence and, by the end of the

Library steps of mahogany fashioned in the Sheraton manner. It becomes a long stool when the top steps are closed down upon the lower ones. Made in England about 1790.
Ingenious combination table and library steps from an illustration in Sheraton’s "Drawing Book". One of these was made for George III of England. In the 19th century, they were to be found in every well-appointed library.

Some of the earlier attempts at these “two-in-one” pieces of furniture were long stools which, when turned on end, disclosed a ladder-like flight of steps none too well balanced. These rather clumsy objects soon gave place to such better-schemed means of ascent as the straight-legged stool illustrated. One of the side stretchers forms the first step; the others are ready for use directly the hinged seat is raised. Not a few of these step-stools were handsome and elaborate pieces, with the step feature so cunningly concealed, in frequent instances, that its existence could scarcely be suspected and when the transformation took place it was always the occasion of pleasant surprise.

Chairs, as subjects for transformation into library steps, were no less successful than stools. The early 19th Century mahogany-caned armchair of Regency type, convertible into a staunchly made four-step flight of library steps by merely pulling the top-rail of the chairback towards you, is not only a thoroughly typical piece of library furniture of the period, but also a successful piece of furniture as a chair, for it is well-designed, strongly (Continued on page 156).
The background of this indoor swimming pool on the estate of Mrs. J. Watson Webb, at Westbury, L. I., was painted by Mary Prindiville to represent a walled garden banked with old-fashioned flowers. Feathery trees and an Ivy entwined overhead break the lines of the walls.

At one end is a Palladian window wreathed in Ivy and brilliantly reflected in the sapphire waters of the pool. This is draped with masses of Ivy and bordered on either side by banks of panicked white Phlox, red Poppies, Pinks and yellow Daisies—vivid color notes against the pink brick wall.
In painting the walls and ceiling of this room, Miss Prindiville was particularly successful in capturing the changing hues of a summer sky. An azure ceiling shades through pale yellow to the sunset pinks of the brick wall. The brick walk about the pool furthers the garden note.

The end facing the large window shows a pleasing vista of a cloud-flecked sky and box trees seen through a break in the Tulip-banked wall. Iron furniture and a decorative grille door executed in a design of butterflies, birds and flowers emphasize the feeling of outdoors.
The two-way stationary couch acts as a division between the first two sections of the room. It is curly maple upholstered in honey beige leather.

HOUSE & GARDEN'S MODERN HOUSE

A Scheme for A White Living Room Entirely Developed

In the Twentieth Century Taste

ROBERT E. LOCHER

SINCE conservation of space is an item to be considered in almost any modern building, particularly in the majority of present day apartment houses, the idea back of the living room illustrating this article was to create an interior that would answer the purpose of three rooms in one. This three-in-one project does not necessarily involve any loss of space; it merely means that by careful planning three different activities having to do with every day living can take place comfortably in one room.

The room in question is fairly large, the principal living apartment of a modern house, with access to a hallway and to a dining room. The floor level being lower than that of the adjoining rooms permits of a high ceiling. The space is divided into three equal sections, and to each of these is allotted its separate use. The divisions, however, are indicated merely by decorative piers and by the placing of the furniture so as to allow the apartment to be contemplated as a spacious whole.

The doorway to the hall faces the fireplace and the section of the room surrounding this entrance is used as a lounge and reception room, being furnished with comfortable chairs and occasional tables. This portion occupies the right end of the plan shown on the opposite page. The dining room entrance centers the wall at the left of the hall door and is flanked by a pair of simple niches; the opposite wall features three windows overlooking a trellis garden. This center section with access to the dining room may be used as a meeting place before and after meals for cocktails, coffee, etc. The third section of the room is the portion shown directly in front of the fireplace. This space is raised one step and forms a really delightful place for relaxation, reading or conversation.

A scheme of white and blonde colors was selected for this room as these pale tones are restful and form a flattering setting for the modern personality. The entire surface of the walls was finished in hand-tooled fluted plaster painted flat white. This treatment is valuable in that it serves to exaggerate the height of the room; it is also unusually decorative as the fluted surface invites a subtle play of light and shade. The motif of the upright lines is repeated again in the reeded flexible screens which are employed at windows and entrances in order to do away with the necessity for using draperies and doors.

The floor is of beige colored terrazzo finished with two borders, the first of henna, the second of white. Metal lines of different widths, silver finished, define the spacing of each color. Decorative fur rugs and skins are to be used where required for warmth and comfort. The window, door, bookcase and cupboard trim is of metal finished to resemble brushed silver.

Where feasible, stationary furniture was used, designed and finished in close relationship to the room proper. The largest stationary piece is the two-way couch which acts as a division between the first two sections of the room. The couch ends have center sections with tambour sliding doors to conceal shelves for books and accessories. The wood is natural colored curly maple with an overlay at all exposed edges of European cherry. This practical and comfortable piece is covered in honey beige leather, with cushions in ivory and tête de...
nègre color. In front of this is a stationary dumbwaiter table with fluted supports and two circular tiers of heavy plate glass. The top fluted section is lined with mirrored glass and contains a brilliant light which is reflected on the ceiling. Stationary also is the couch in front of the fireplace which has a framework fluted to correspond with the walls. It also is covered in leather in honey beige color. The mirror and fireplace trim are of thick glass, mitre cut and silvered. This section of the room has rounded corners and the wall surface is finished in the same fluted form as the side walls.

The lighting in this room is particularly interesting. At the ends of the two-way couch are lamps and shades made of cylindrical shapes of glass mirrored and mounted in chromium plated metal. These provide sufficient light for the center portion of the apartment. At the fireplace end of the room are two modern drop lights shaded with shaped pieces of sanded and of mirrored glass.

The simple cornice molding is arranged to take care of a system of indirect lighting when more illumination is required.

A pleasing departure from the customary window treatment is a feature of this room. In place of draperies, flexible roller screens are used at all the windows. The silver metal casements are hung with white marquisette embroidered in white silk in an effective modern design.

The plan at the foot of this page explains the manner in which one room may be made to serve three purposes and still retain an atmosphere of spaciousness. The secret lies in the placing of the furniture. The section of the room entered from the hallway contains the most pieces, but so well are the numerous chairs and small tables arranged—well away from the middle of the room—that a person on entering is not conscious of them and there is no sense of overcrowding. Here is ample space for three or four separate groups of people due to the carefully placed furniture which is arranged around the walls so as to leave the center free. Very little furniture is to be found in the center section. Here the large couch with its ends serving the purpose of occasional tables and cupboards is sufficient. The lack of furniture in this portion results in no sense of bareness, however, due to the niches which are set in the four corners. The commodious, long sofa seats three people and if more persons desire to use this space after dinner, chairs may be moved in from the end of the room. The same arrangement holds true of the fireplace end.

The success of any interior is largely dependent on the manner in which the various pieces of furniture are grouped. And nowhere is this more true than in the interior furnished along contemporary lines. Here a feeling of spaciousness is not only desirable but is quite an essential of modernist decoration which insists on simplicity, directness and an absence of cluttering detail. Furniture arrangement is essentially practical. In the first place the new chairs and sofas are deliciously comfortable and they are logically placed in a room so as to contribute to ease of living. Small tables are found where needed and are rarely used merely as decoration. This practical aspect is observable throughout the whole of contemporary decoration. In this age of restlessness and speed, utility comes first.
SCHEMES FOR A DAFFODIL HOUSE

Suggestions for Five Rooms and a Porch of a Residence
Which Use Yellow As the Main Theme

AGNES FOSTER WRIGHT

Once upon a time I saw a little square house set picturesquely in the midst of an orchard. It was painted white, a flaky white that cast soft, purple shadows, and all around under the apple trees, up the front brick walk and in the little semi-circular flower beds were Daffodils and Poet Narcissi of every shade of white and yellow. The house had no blinds, but at each square window was a clear yellow window shade. This crisp, little house intrigued me, so on some sheer excuse I ventured in. A shiny brass bell and a shiny brass door-knocker caught and reflected the yellow sun, and I wasn’t a bit surprised to find the maid that opened the door dressed in snowy white with a yellow apron and cap. When the lady of the sunshine house descended she was as I had anticipated, dressed in yellow organdie, and with gleaming golden hair. I recognized her at once. We had known each other in London and, curiously enough, the last time I had tea’d with her, I spent over two hours getting back to my hotel, only five blocks from her doorstep through one of London’s fogs. We recalled that incident and it proved the explanation of her present house and its color.

An American, born and bred on the Côte d’Azur, she had married an Englishman, who had taken her back to London where for eight long years she had pined for warmth. The husband then went North, probably drawn by the lure of the midnight sun, and providentially disappeared, so she came to Connecticut, impelled by a longing for a more gracious setting, and built herself this gay little house. I always think the decorations of a house should reflect a slice of one’s life—so here we have it.

The living room—morning room, she called it—was square, with a flat open fireplace and a French door giving onto a verandah. This was six feet above the ground so that one looked into the apple trees and down onto the Daffodils below. The floor of this porch was covered in white canvas, heavily painted, and the furniture was modernistic in character, of split reed striped in yellow and white and fitted with yellow waterproof cushions. The pillows were white chambray bound with yellow and tufted with yellow worsted. These looked like some gay modernistic flower but were most comfortable. Canary vines climbed the iron supports to the yellow and white striped awning covering the porch.

The morning room had white walls with a yellow ceiling, and a light green rug was on the waxed pine floor. The corners opposite the fireplace were cut off and bookcases built in, carried up to the ceiling. On the top shelf were ormolu figures, gilded, and I recognized them as being modern German pressed iron work, now readily available. A small tawny yellow fur rug was in front of the fireplace and on either side was a small Louis XVI chair with a white frame upholstered in yellow sprigged satin. Between was a long bench which also served as a tea table. Opposite the fireplace between the windows was a high French walnut desk. The long curtains were of white percale lined with yellow chintz and finished with ruffles edged with the lining. Decorative tie-backs in a design of porcelain tiles held them back. There were no curtains at the French doors but the window shades were yellow. A small sofa with a gay chintz slip cover in yellows and greens, a chaise longue and a few comfortable chairs made up the furniture.

In the hallway the walls were covered in white paper with a gold lattice design. The ceiling here was blue, and the rugs hooked with yellow and mulberry. Two wire plant stands holding stiff rows of potted plants were mounted on wheels and on rainy days these were rolled out of doors. There was the usual small table and mirror and a pair of Colonial chairs in yellow.

The dining room had a flowered paper used in panels, an inexpensive adaptation of a Chinese paper with a yellow ground. The baseboard was a rich deep yellow and the floor was painted green and varnished. Ruffled curtains of cream net with a huge polka dot hung to the floor. No overcurtains were used here on account of the interest of the wall paper. The dining table was an ordinary table that had been given many coats of white paint and then varnished. This gleaming white surface lent itself to all sorts of table decorations and was particularly effective with colored linen. The chairs were painted with a lighter yellow than the baseboard and were upholstered in a little yellow starred percale again reminiscent of the Daffodils outside.

Two console shelves were painted white and edged with the narrow gilt tin bands that are used for cornice boards. These are now being made in a variety of interesting patterns, many of them copies of old designs. Mirrors were paneled into the wall above the consoles and edged with narrow frames corresponding to the console aprons.

The bedroom above the morning room was square also and had an open fireplace with an old white marble mantel of Victorian feeling. A slender maple four-poster bed was draped in a chintz of Crocuses on a yellow ground and the same chintz made the simple curtains and was applied to the wall above the white paneled wainscot. Between the windows stood a dressing table hung in bouffant organdie that shaded from deep yellow through light orange to pale lemon. A pair of roomy upholstered chairs flanked the fireplace and a combination breakfast and desk table on rollers stood by the third window.

Accents of yellow were found in the other bedroom which had a blue wall paper patterned with little fruit bunches in gold, made originally, I am told, in France for the Colonial trade and now reproduced here. There were plum organdie curtains at the windows and the mahogany beds had covers of yellow and ivory stripe. A mahogany lingerie bureau and a small mahogany desk with a white and blue painted chair completed the furniture. The bathroom had a light blue marbled paper treated to withstand water, and the ample shelves and cupboards were equipped with blue organdie pads filled with lavender leaves. As I looked out of the window I saw a smart little roadster painted bright yellow.

That, too, in protest against the years in London so far away from the Côte d’Azur and the sunshine of the Connecticut hills.
Although the curious details of Fenley Hunter’s residence at Great Neck, L. I., hark back to Spain, France, Italy or England, from this side the composition takes on a picturesque Norman-French character. LeRoy P. Ward, architect

PORTO BELLO
A LONG ISLAND COUNTRY HOME

First floor rooms are planned about a central octagonal entrance hall, decorated with recessed niche panels from Spain. Kitchen and servants’ quarters are in the right hand wing while the living rooms are to the left of the tower.
On the rear, the roof above the living room section has been brought down in a graceful line to cover a porch. A long shed dormer and a small peak dormer break into the long roof slope. Hand-hewn log steps carry from the annual garden to the porch terrace level.

Variations of wall treatment feature this house. Brick, stucco, hand-hewn siding and timbering are introduced in a harmonious fashion and over all pervades a rich mellowness, product of subtle artistry. The silhouette weathervane is an 18th Century piece found in France.
THE ESTATE OF
FENLEY HUNTER
AT GREAT NECK

Fit companion to the walls are the roofs; soft toned slates follow pleasantly irregular lines and weave interesting color patterns. The cartouche on the chimney came from an old Spanish building. This is a close-up of a portion of the front façade, also shown on page 117.

A 16th Century Spanish door, still retaining its original hardware, dictated the spirit of the entrance. Ledge rock and fieldstone have here been set into the brick walls to provide the desired rustic, old-world setting. An old wrought-iron finial in a floral form tops the tower.
A splendid example of what intelligent remodeling can accomplish is afforded by the "before and after" photographs on these pages. Above is the original house—built in the substantial yet architecturally grotesque manner of the last century—and on the opposite page is the same house after alteration.

In addition to changes made in the original structure, a two-story addition has been constructed at the rear which houses the kitchen, two maids' rooms and bath, and, on the second floor, a large dormitory and bath. The residence of Frank L. Rutenman, Barrington, Ill., Houzagh & Hill were the architects.
Unsightly dormers have been exchanged for more interesting types. The roof line of the left hand wing has been altered and below a bay window was inserted to provide additional light in the dining room. Whitewash covers the bricks.

The Georgian entrance used on Mr. Bartholomew’s residence is an adaptation of that of the Royall house at Medford, Mass. Broad stone steps lead to the door and delicate iron handrails guard their edges. Note the texture of the old brick wall.

REMODELING
A 19TH CENTURY
BRICK HOUSE
With stone block paving inevitably comes the memory of a rumbling coach and the clank of well-shod hoofs striking the stones. Today a motor car purrs softly over their surface, but the association still abides, and the usefulness and beauty of this paving for an entrance drive is still undisputed. These examples are on the place of Mrs. Francis S. McIlhenney, Chestnut Hill, Pa., of which Arthur S. Meigs was architect.

In many instances, where the surrounding architecture calls for it, the forecourt may be paved with large flat stones. If they are laid in concentric rings, as here, to form the semblance of a pattern, the paving, besides being permanent and eminently practical, will soon assume a beauty that amply justifies its expense.

The custom of making garden steps of pebbles set in cement goes far back to the misty beginnings of garden design and will probably continue to enjoy favor until the end of time. Here sloping steps with shallow stone risers give easy and safe ascent to a sloping bank and make a colored and ever-changing pattern.
PRIMROSES FROM FOREIGN LANDS

A Great Flower Family That Gives Us Many Worthy Kinds for
A Variety of Garden Uses and Situations

E. H. WILSON, V. M. H.
Keeper of the Arnold Arboretum

WIT THE Anglo-Saxon, Primroses have ever been firm favorites and in the earliest of our gardens they were grown and regarded as old, old friends. Good Gerarde in his *Herball*, published in 1597, figures seventeen different Primroses and in quaint English descants on their beauty, their familiarity and their medicinal virtues. He pictures the Common Primrose, both the wilding and its double white form, also the Polyanthus in double and hose-in-hose types. The Auricula he calls Beares Ear or Mountain Cowslips and figures no less than six sorts each with different flowers. All were evidently well known in Gerarde's time, for he writes about most of them as being "so common needth no descriptions". His fancy was evidently for the double flowered forms, for of the double Polyanthus he writes, "Our garden double Primrose of all the rest is of greatest beauty". Further he states that "Cowslips and Primroses enjoy moist and dankish places but not altogether covered with water; they are found in woods and on the border of fields". Of the Auriculas he says, "There be divers sorts differing especially in the color of flowers" and he tells us that "they grow naturally on the Swiss mountains and that most of them do grow in our London gardens, where they flower in April and May".

Among other medicinal values Gerarde states that "The leaves and flowers of Primroses boiled in wine and drank is good against all the diseases of the breast and lungs and draweth forth of the flesh any thorn or splinter or bone fixed therein". In the three centuries and more that have lapsed since Gerarde wrote, the world of medicine and of horticulture have undergone great changes. The Primrose no longer figures in practical medicine, but in gardens it is more firmly entrenched than ever and for every one that Gerarde knew and loved we fortunates are now able to enjoy at least two score.

Primroses are flowers of great daring. The temperate regions of the whole northern hemisphere are their domain and one or two venturesome spirits extend far south. They are social plants, the rank and file of which favor regions where good soil, good air and plentiful moisture are to be had, but the vanguard of these hosts is found under austere conditions of soil and air and climate, conditions that inflict great hardships on plants as well as man. On this continent Dame Primula is scarcely represented, only about a dozen species being found; one of these waifs has wandered south along the Andes to the Straits of Magellan. In Europe very many species grow and among these are some of the oldest flowers of gardens, including the forerunner of the different kinds of Polyanthus and garden Primroses as well as the alpine and show Auriculas.

One daring fellow, the yellow-flowered *Primula verticillata*, has its home on the mountains of Abyssinia and another (*P. imperialis*) crosses the Equator to the higher mountains of Java. From Japan came the stout-stemmed *P. japonica*, its flowers in several tiers, and slender-stemmed *P. cortusoides* and *P. sieboldii*. China gave our greenhouses its best-known... (Continued on page 190)

*Primula Unique is a hybrid between P. pulverulenta and P. Cochbana, two of Mr. E. H. Wilson's introductions from China some twenty-five years ago*
(Above) A Massachusetts garden of rhododendrons, intermingled with Jack-in-the-pulpits, Japanese Primroses thrive amazingly along the waterside. There are many good Primulas which lend themselves perfectly to such situations.

P. cockburniana, with orange-scarlet blossoms, is one of Mr. Wilson's introductions. It is now the parent of a wonderful race of highly colored garden Primroses.

(Left) Native of the high mountains where vegetation nears its limits, P. sinonivalis is one of the loveliest and most difficult to cultivate of the entire Primrose family. It comes from the rock crannies of the China-Himalayan region.
**FLOWERS, TREES, SHRUBS AND VINES**

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#### HOUSE & GARDEN'S GARDENING GUIDE

**FLOWERS, TREES, SHRUBS AND VINES**

In the following lists of plant material emphasis has been laid on practical rather than anecdotal emphasis. The aim is to present types and species which are the most satisfactory and sufficiently numerous to meet the majority of needs, and to give essential data about them. The lists were compiled by F. H. Rockwell.

### ANNUALS

<table>
<thead>
<tr>
<th>Name</th>
<th>Height</th>
<th>Season</th>
<th>Color</th>
<th>Culture and Use</th>
</tr>
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<tbody>
<tr>
<td><strong>Blue or white</strong></td>
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<tr>
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<tr>
<td><strong>White or blue</strong></td>
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<tr>
<td><strong>Orange, yellow</strong></td>
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<tr>
<td><strong>Pink or white</strong></td>
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### PERENNIALS

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<tr>
<td><strong>Yellow</strong></td>
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<tr>
<td><strong>Blue, white</strong></td>
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<tr>
<td><strong>Golden yellow</strong></td>
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## House & Garden's Gardening Guide

### BULBS (Spring Flowering)

<table>
<thead>
<tr>
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<th>HEIGHT</th>
<th>SEASON</th>
<th>COLOR</th>
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<tbody>
<tr>
<td>Tulips</td>
<td>12&quot;-36&quot;</td>
<td>May-early June</td>
<td>Various except Wicked, Wicked White</td>
<td>Early type, single and double, best for solid bed; Mayflowering and Darwin type excellent for hardy border. Effective in hardy border; dwarf sorts and species for naturalizing and rock gardens; new varieties with pink shades.</td>
</tr>
<tr>
<td>Narcissus (Daffodil)</td>
<td>12&quot;-18&quot;</td>
<td>April-early May</td>
<td>Yellow, white</td>
<td>Mostly for cutting, but Single and Pompom excellent in gardens; pick back for stocky growth; new single, Newport Wonder, glorious cutflower.</td>
</tr>
<tr>
<td>Hyacinthus</td>
<td>8&quot;-15&quot;</td>
<td>April-May</td>
<td>Blue, white</td>
<td>Excellent for color masses, especially at distance; splendid new varieties; good tempestary screen or border line.</td>
</tr>
<tr>
<td>Crocus</td>
<td>4&quot;-6&quot;</td>
<td>April</td>
<td>White, yellow, orange</td>
<td>Among the loveliest of all spring flowers; plant in groups in front of hardy border or edge of shrubbery, or in lawn where the grass is not cut early.</td>
</tr>
<tr>
<td>Scilla (Bluebell)</td>
<td>6&quot;-18&quot;</td>
<td>March-May</td>
<td>Purple</td>
<td>Several types; plant some of each for succession; groups in hardy border or under shrubbery; excellent for naturalizing.</td>
</tr>
<tr>
<td>Grape Hyacinth (Muscaria)</td>
<td>6&quot;-8&quot;</td>
<td>April-early May</td>
<td>White and blue</td>
<td>These follow the Crocus and Scilla in every garden; excellent for naturalizing; multiply readily.</td>
</tr>
<tr>
<td>Fritillaria</td>
<td>12&quot;-36&quot;</td>
<td>April-May</td>
<td>Various</td>
<td>Several types differing widely; tall-growing Crown Imperials good for the border; St. George sorts good for naturalizing and rock gardens.</td>
</tr>
<tr>
<td>Snowdrop (Galanthus)</td>
<td>6&quot;-10&quot;</td>
<td>Earliest spring</td>
<td>Yellow, white, pink</td>
<td>Dainty, little bell-flowers which ring in returning spring; sunny corner; light soil, much with peat to prevent mud scattering; naturalizing; rock gardens, Elwes.</td>
</tr>
</tbody>
</table>

### BULBS (Summer Flowering)

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Gladilus</td>
<td>24'-60'</td>
<td>July-frost</td>
<td>Infinite variety</td>
<td>Make succession plantings of early, medium and late sorts at intervals of 30 days for continuous bloom until freezing weather; Primuloids sorts especially fine for cutting.</td>
</tr>
<tr>
<td>Canvas</td>
<td>24'-48'</td>
<td>June-frost</td>
<td>Various</td>
<td>Excellent for color masses, especially at distance; splendid new varieties; good tempestary screen or border line.</td>
</tr>
<tr>
<td>Beesialis (Tuberous)</td>
<td>12'-18'</td>
<td>July-frost</td>
<td>Various</td>
<td>Several small bulbous flowers for shaded situations; use peat or humus in soil; marvelous shades of color, various shapes; should be used much more generally.</td>
</tr>
<tr>
<td>Summer Hyacinth (Hyacinthus)</td>
<td>48&quot;</td>
<td>July-Sept.</td>
<td>White</td>
<td>Numbers of bell-shaped flowers on tall spikes; striking, especially against green foliage; remove old spike; new ones for many weeks; splendid flower; worthy of wider use.</td>
</tr>
<tr>
<td>Trionia (Montbretia)</td>
<td>36'-48'</td>
<td>Aug.-frost</td>
<td>Various</td>
<td>Handsomer and much more graceful cousins of the Gladilus; brilliant color; excellent for border, landscape or cutting.</td>
</tr>
<tr>
<td>Oatil</td>
<td>6'-8&quot;</td>
<td>June-frost</td>
<td>Yellow, various</td>
<td>Marvelously free flowering, gay colored little plants; excellent for edging; front of border, or in vases or hanging baskets.</td>
</tr>
<tr>
<td>Hardy Lilies</td>
<td>18'-20'</td>
<td>July-Sept.</td>
<td>Various</td>
<td>Well-defined and rock where colors will be shaded; match for winter.</td>
</tr>
</tbody>
</table>

### SHRUBS (Deciduous)

<table>
<thead>
<tr>
<th>NAME</th>
<th>HEIGHT</th>
<th>SEASON</th>
<th>COLOR</th>
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<tbody>
<tr>
<td>Althaea (Rose of Sharon)</td>
<td>6'-10'</td>
<td>Aug.-Sept.</td>
<td>Pink</td>
<td>A well-known shrub, flowering profusely late in the season. Like peaty soil; semi-shade; most brilliant flowering shrub of early spring; combines well with evergreen. For variety, see catalogs.</td>
</tr>
<tr>
<td>Azalea</td>
<td>2'-12'</td>
<td>April-July</td>
<td>Various</td>
<td>Most satisfactory informal hedge; also in groups and as individuals; new; brilliant red and scarlet astrophytum aureum aureum.</td>
</tr>
<tr>
<td>Barberry, Jap. (Berberis thunbergii)</td>
<td>3'4&quot;</td>
<td>July-Sept.</td>
<td>Red autumn foliage</td>
<td>Lavender</td>
</tr>
<tr>
<td>Buddlia (Butterfly bush)</td>
<td>5'-6&quot;</td>
<td>July-Sept.</td>
<td>Lavender</td>
<td>Graceful, spreading shrub; Lilac-like, sweet, scented bloom, always attracts butterflies; hardy, but larches in very cold winters.</td>
</tr>
<tr>
<td>Chaetoser (Fizex)</td>
<td>4'-10'</td>
<td>July-Sept.</td>
<td>Blue, white</td>
<td>Aromatic foliage; most ornamental; best blue late-flowering shrub; new low-growing variety macrophylla especially fine.</td>
</tr>
<tr>
<td>Cotonaster</td>
<td>1'-5&quot;</td>
<td>Spring-winter</td>
<td>White, red</td>
<td>Splendid low-growing white flowers followed by red or red-berry; excellent for foundation and rock garden.</td>
</tr>
<tr>
<td>Daphne (Garland Flower)</td>
<td>18'-3'</td>
<td>March-Apr.</td>
<td>Red, white</td>
<td>Dainty, beautiful low shrub; excellent for foundation or rock garden, especially in sheltered location; often late autumn bloom.</td>
</tr>
<tr>
<td>Delaefury (Sambucus canadensis)</td>
<td>5'-8&quot;</td>
<td>July-Sept.</td>
<td>White, pink</td>
<td>Rather slender, graceful shrub; excellent foundation plant or specimen; var. glauca. Phoenix is especially good.</td>
</tr>
<tr>
<td>Erika (Redvine)</td>
<td>6'-8&quot;</td>
<td>May</td>
<td>Various</td>
<td>White</td>
</tr>
<tr>
<td>Flowering Alandyum (Praens glabulus) (Amryllidaceae)</td>
<td>5'-15'</td>
<td>April-May</td>
<td>Pink</td>
<td>Fragrant white flowers followed by conspicuous black or purple berries; good for wine; new variety pubescens extix.</td>
</tr>
<tr>
<td>Flamingo Flower (Cydonia japonica)</td>
<td>5'-8&quot;</td>
<td>May</td>
<td>Pink, white</td>
<td>An admirable shrub, charming bell-shaped flowers. Autumn foliage exceedingly striking.</td>
</tr>
<tr>
<td>Forsythia</td>
<td>5'-10&quot;</td>
<td>April-May</td>
<td>Scarlet</td>
<td>Extremely hardy; grows anywhere; flowers best in full sun; new pink-flowered form available.</td>
</tr>
<tr>
<td>Highal高峰 (Paeoniacum carnosum)</td>
<td>5'-10&quot;</td>
<td>May</td>
<td>Golden yellow</td>
<td>Several varieties; both upright or drooping; hardest early yellow-flowering shrub; always satisfactory; border, foundation or specimen. Speciosa.</td>
</tr>
<tr>
<td>Honeyaurc (Lonicera)</td>
<td>3'-8&quot;</td>
<td>July-Sept.</td>
<td>Blue, white</td>
<td>Excellent hardy shrub for picturesqueness; petals pinkish-white flowers followed by blue berries.</td>
</tr>
<tr>
<td>Hydrangea</td>
<td>4'-10&quot;</td>
<td>July-Sept.</td>
<td>White, red</td>
<td>Several shrub or bush types, excellent for border or specimens; also banks; fragrant; hardy overall.</td>
</tr>
<tr>
<td>Japanese Maple (Acer palmatum)</td>
<td>3'-10&quot;</td>
<td>All season</td>
<td>Very fine shrub, the slender branches literally covered in early summer; pink flowers; a recent introduction.</td>
<td></td>
</tr>
<tr>
<td>Japanese Snowbailh (Fibriaeum japonica)</td>
<td>6'-10&quot;</td>
<td>April-May</td>
<td>Golden yellow, white</td>
<td>ark and free flowering variety. Atnabilis; rosea.</td>
</tr>
<tr>
<td>Kerria (Kerria japonica)</td>
<td>5'-7&quot;</td>
<td>June-July</td>
<td>Pale pink</td>
<td>Several types; smaller sorts good for foundation and border planting, larger for border and individual specimens.</td>
</tr>
<tr>
<td>Lagerstromia (Crepaezium)</td>
<td>10'-15&quot;</td>
<td>August</td>
<td>Many colors</td>
<td>Extremely ornamental shrub or little tree; highly-colored foliage; specimens; rock gardens; give somewhat sheltered location.</td>
</tr>
<tr>
<td>Lilac (Syringa)</td>
<td>6'-10'</td>
<td>May-June</td>
<td>Red</td>
<td>White flowering shrub. Good succession planting of early, medium and late sorts at intervals of 10 days for blossoms.</td>
</tr>
<tr>
<td>Malus (Flowering Crab)</td>
<td>5'-8&quot;</td>
<td>May-June</td>
<td>Pink, white</td>
<td>Several sorts differing widely; hill-growing Crown Imperials good for the border; mayssilver white; best for solid bed; Mayflowering and Darwin type excellent for hardy border.</td>
</tr>
<tr>
<td>Prunus (Liparianum)</td>
<td>4'-15&quot;</td>
<td>May-June</td>
<td>White, pink</td>
<td>Well-known shrub, especially the 'Red Emperor'; good for edging; front of border, or in vases or hanging baskets.</td>
</tr>
<tr>
<td>Red-oder Dogwood (Cornus alnifolia)</td>
<td>8&quot;</td>
<td>May-June</td>
<td>Red</td>
<td>Excellent for blood-red stems and spring; wet-soil border, clumps especially in wet soil; remove old wood.</td>
</tr>
<tr>
<td>Strawberry Shrub (Sueben Shrub) (Calycanthus floridus)</td>
<td>6'-12&quot;</td>
<td>May</td>
<td>Chocolate</td>
<td>Especially valuable for its delicious fragrance; finely ornamental; good specimen; old-fashioned, but well worth planting. Excellent for shady locations; stands moist soil; delightfully fragrant; desirable for cut flower and neglected native shrub.</td>
</tr>
<tr>
<td>Sweetbrier (Cimicifuga racemosa)</td>
<td>5'-10&quot;</td>
<td>May-June</td>
<td>White, rose</td>
<td>Excellent for covering dry banks where little else will grow; ferlike foliage deliciously aromatic; native.</td>
</tr>
<tr>
<td>Tatarix</td>
<td>10'-15&quot;</td>
<td>May</td>
<td>Pink</td>
<td>Gladiolus, one of the finest flowering shrubs or small trees. See catalogs.</td>
</tr>
<tr>
<td>Viburnum</td>
<td>6'-10'</td>
<td>Spring-summer</td>
<td>White, rose</td>
<td>One of the best white-flowering shrubs; border or specimen; new varieties, including 'Tomentosa' (Hakubai) latest, 'van Houttei'.</td>
</tr>
<tr>
<td>Witchhazel (Hamamelis)</td>
<td>5'-10&quot;</td>
<td>Oct.-Nov.</td>
<td>Yellow</td>
<td>Anthony Waterer. Mostly for woodland planting; hardy to N.Y.; tropical, fragrant, ferlike foliage; flowers in plump spikes; excellent background for rock garden.</td>
</tr>
<tr>
<td>Weigela</td>
<td>6'-8&quot;</td>
<td>July-Sept.</td>
<td>Rose</td>
<td>Good for border; conspicuous flowers, but rather coarse growth; Eva Rathke is best and frost hardy variety. Amabilis; rosea.</td>
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**HOUSE & GARDEN'S GARDENING GUIDE**

**TREES (Deciduous)**

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<tr>
<td>Beech (Fagus)</td>
<td>50'-100'</td>
<td>Spreading, open growth; gray trunk, conspicuous in winter and spring; free from insects.</td>
<td>Good in groups or singly; Purple Beech and Weeping Beech especially good as specimens.</td>
</tr>
<tr>
<td>Birch (Betula)</td>
<td>40'-100'</td>
<td>Graceful form; rapid growth; conspicuous trunk.</td>
<td>Effective either as specimen or combined with evergreens.</td>
</tr>
<tr>
<td>Dogwood (Cornus florida)</td>
<td>15'-30'</td>
<td>Most graceful of all large trees; any soil; fairly rapid growth.</td>
<td>Good lawn specimen, especially near residence; a tree for borders and small woodlands.</td>
</tr>
<tr>
<td>Flowering Cherry (Higan or Japan Cherry) (Prunus subhirtella)</td>
<td>20'-30'</td>
<td>One of the most beautiful of all flowering trees. Pink and white form.</td>
<td>Unexcelled for street planting, also for framing views or vistas. Chinese Elm is small, excellent for small grounds.</td>
</tr>
<tr>
<td>Hawthorn (Crataegus)</td>
<td>60'-20'</td>
<td>Pink, white; red; well formed small tree.</td>
<td>Specimens are especially effective near water or among evergreens.</td>
</tr>
<tr>
<td>Horsechestnut (Aesculus hippocastaneum)</td>
<td>130'-200'</td>
<td>Broad, spreading bush; dense foliage; vigorous growth.</td>
<td>Fine specimens or for backgrounds. Flowers abundantly in spring. Attractive autumn fruit.</td>
</tr>
<tr>
<td>Honeylocust (Gleditsia)</td>
<td>80'-120'</td>
<td>Broad, pyramidal form with somewhat drooping branches.</td>
<td>Excellent shade tree for fairly large areas; beautiful in flower. Quick results for hedge, screening, or fair shade.</td>
</tr>
<tr>
<td>Linden (Tilia)</td>
<td>80'-120'</td>
<td>Branches, open, small tree with conspicuous fruit.</td>
<td>Excellent for shade or specimen. T. vulgaris quite fragrant. Excellent as lawn specimen in somewhat protected position; white and pink forms.</td>
</tr>
<tr>
<td>Magnolia</td>
<td>30'-100'</td>
<td>Rapid growing; thrives in most soils; shade; good fall color.</td>
<td>Good shade tree, but some not long-lived. Norway Maple very desirable.</td>
</tr>
<tr>
<td>Maple (Acer)</td>
<td>80'-100'</td>
<td>Unique; irregular form; unusual foliage; rapid growth.</td>
<td>Good for street planting or specimen. Small lawn specimen, or very attractive near evergreens.</td>
</tr>
<tr>
<td>Maidenhair Tree (Ginkgo)</td>
<td>50'-80'</td>
<td>Irregular, open, small tree; attractive foliage; wonderful show of red fruit in autumn and winter.</td>
<td>One of best permanent street, shade or specimen trees; varieties differ considerably; select carefully. Very rapid growing tree, shade and specimen; among most satisfactory of all trees.</td>
</tr>
<tr>
<td>Oak (Quercus)</td>
<td>30'-100'</td>
<td>Pyramidal or rounding with irregular horizontal branches; distinct character; fine autumn coloring; long-lived.</td>
<td>Very similar to Fir; somewhat more graceful; rough bark; cones pendant; branches often curved gracefully.</td>
</tr>
<tr>
<td>Planter (Platanus)</td>
<td>35'-100'</td>
<td>Tall trees; irregular spreading branches; usually handsome; bold trunks, conspicuous as dark sheaths.</td>
<td>Most graceful of all evergreens; pendulous branches fine foliage; dark green, silver beneath; retains gracefulness with age.</td>
</tr>
<tr>
<td>Poplar (Populus)</td>
<td>90'-125'</td>
<td>Broad, spreading form; attractive foliage; leaves shiny, usually in motion; not long-lived.</td>
<td>One of the most easily grown and decorative of all.</td>
</tr>
<tr>
<td>Redbud (Judas tree) (Cercis canadensis)</td>
<td>30'-35'</td>
<td>Irregular growth; picturesque; conspicuous early blossoms.</td>
<td>Excellent specimen, especially in naturalistic setting.</td>
</tr>
<tr>
<td>Sassafras</td>
<td>25'-50'</td>
<td>Irregular, picturesque, ornamental with green bark in winter and golden in spring; excellent autumn color.</td>
<td>Excellent specimens, or back of shalbbery border; much neglected American native tree; any soil.</td>
</tr>
<tr>
<td>Sweet Gum (Liquidambar)</td>
<td>30'-40'</td>
<td>Tree of medium size, beautiful foliage, old-looking barks in autumn.</td>
<td>Planted for long term; temporary tree for quick results. Lusciously popular good for quick formal effect.</td>
</tr>
<tr>
<td>Tuliptree (Liriodendron tulipifera)</td>
<td>80'-120'</td>
<td>Splendid, dignified pyramidal form with attractive foliage and yellow-green, Tulip-like flowers.</td>
<td>Excellent specimens, or shade; magnificent tree deserving wider use.</td>
</tr>
<tr>
<td>Willow (Salix)</td>
<td>40'-80'</td>
<td>Most graceful, large tree; very rapid grower.</td>
<td>One of the most easily grown and decorative of all.</td>
</tr>
</tbody>
</table>

**SHRUBS (Evergreen)**

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<tr>
<td>Abelia, Glossy (A. grandiflora)</td>
<td>6'-8'</td>
<td>Beautiful, smooth, glossy foliage; pinkish white Arbutus-like flowers, June-Nov.</td>
<td>Next growth; splendid for foundation planting, border or specimen; hardy to Long Island.</td>
</tr>
<tr>
<td>Azalea (varieties)</td>
<td>3'-4'</td>
<td>Brilliant flowers early spring.</td>
<td>Foundation planting; specimens in sheltered locations; partial shade; peaty soil, well mulched.</td>
</tr>
<tr>
<td>Box (Buxus)</td>
<td>1'-12'</td>
<td>Extremely dense, thick growth; small alpine foliage; shears well.</td>
<td>Ideal edging and hedge plant; use dwarf type for former; peaty soil preferred; protected north of Long Island.</td>
</tr>
<tr>
<td>Cotoneaster</td>
<td>2'-6'</td>
<td>Upright or trailing; dense, irregular, bushy growth.</td>
<td>Foundation planting; specimens in sheltered locations; partial shade; peaty soil, well mulched.</td>
</tr>
<tr>
<td>Daphne (D. mezereum) (Rose D.)</td>
<td>18</td>
<td>Beautiful fragrant pink flowers more or less throughout season.</td>
<td>One of the finest of all trees; should be much more generally used; shade or sun; the American Holly is hardy to the New England states.</td>
</tr>
<tr>
<td>Evergreen Burning bush (Eugenia japonica)</td>
<td>4'-6'</td>
<td>Broad, thick, shining leaves; dense rapid growth; shears to almost any size or shape.</td>
<td>Good group planting; native shrub. A very fine hardly evergreen which is suitable for use in many situations.</td>
</tr>
<tr>
<td>Holly, American (Ilex opaca)</td>
<td>15'-25'</td>
<td>Bushy or tree-like growth, occasionally to 50'; scarlet berries on an evergreen plant.</td>
<td>Excellent edging for Rhododendrons or evergreens; shady spot in foundation planting.</td>
</tr>
<tr>
<td>Ilex (Ilex glabra)</td>
<td>4'-6'</td>
<td>Narrow, bright alpine leaves; white flowers; leaf-black fruit.</td>
<td>Excellent edging for Rhododendrons or evergreens; shady spot in foundation planting.</td>
</tr>
<tr>
<td>Japanese Holly (Ilex crenata)</td>
<td>3'-5'</td>
<td>Glistening foliage, small evergreen forms dense bush.</td>
<td>Great variety of forms and colors for all purposes.</td>
</tr>
<tr>
<td>Leucoclost (Dracopis) (L. octoba)</td>
<td>0</td>
<td>Pendant creamy white blossoms and pointed leaves in long drooping sprays, coloring beautifully in autumn.</td>
<td>Outstanding evergreen; commands attention as a specimen. Edgie specimen hardy to N.Y.</td>
</tr>
</tbody>
</table>
HOUSE & GARDEN'S GARDENING GUIDE

SHRUBS (Evergreen) (continued)

<table>
<thead>
<tr>
<th>NAME</th>
<th>HEIGHT</th>
<th>CHARACTER</th>
<th>USES AND REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mahonia (Oregon Hollyhype)</td>
<td>3'-6'</td>
<td>Heavy, spiny, shiny leaves; conspicuous fruit.</td>
<td>Good in border or foundation; sheltered from wind or hot sun.</td>
</tr>
<tr>
<td>Mountain Laurel (Kalmia)</td>
<td>5'-10'</td>
<td>Irregular, picturesque growth; pointed shiny green leaves and brown bark; unsurpassed beauty when in bloom.</td>
<td>Excellent in shrub border; also for foundation; sun or shade; peaty, acid soil.</td>
</tr>
<tr>
<td>Daphniphylla (Jap. Spurge)</td>
<td>5'-10'</td>
<td>Spreading habit; dark green leaves; spikes of white flowers.</td>
<td>Most satisfactory evergreen ground cover for difficult shady site where nothing else will grow.</td>
</tr>
<tr>
<td>Pityus (Mountain Andromeda)</td>
<td>5'-6'</td>
<td>Beautiful, oval, pointed dark green leaves, making ideal back drop ground for sprays of tiny, white bell-like flowers in early to late spring. With evergreens in border or in foundation planting; or under large evergreens.</td>
<td></td>
</tr>
<tr>
<td>Rhodoendron</td>
<td>4'-12'</td>
<td>Well formed, rather spreading when old. Needs acid soil. Large flower heads.</td>
<td>The finest of all broad-leaved evergreen shrubs. See catalogs.</td>
</tr>
</tbody>
</table>

VINES

<table>
<thead>
<tr>
<th>NAME</th>
<th>COLOR</th>
<th>CHARACTER</th>
<th>CULTURE AND USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardinal Climer (Lupinus)</td>
<td>Scarlet</td>
<td>Vigorous grower; small; white; requires support.</td>
<td>Rapid grower for trellis and Arbor; very striking; fair shade.</td>
</tr>
<tr>
<td>Hyacinth Bean (Delphinium)</td>
<td>Reddish</td>
<td>Hardy native vine, unique fruit carried into winter.</td>
<td>Good shade of dense screen; may be started early, or plant outside with Lima Beans.</td>
</tr>
<tr>
<td>Japanese Hop (Humulus Japonicus)</td>
<td>Orange</td>
<td>Graceful, rapid growing vine; attractive foliage and flowers.</td>
<td>Excellent for covering unsightly objects or rough corner.</td>
</tr>
<tr>
<td>Moonflower (Calonyclion)</td>
<td>Various</td>
<td>Quick grower to 5'-6'; flowers in clusters.</td>
<td>Gates, trellises, arbors. Start indoors for early results; new early blooming type best for Northern States. Excellent porch vine; best started under glass; seed edge down; pot seedlings.</td>
</tr>
<tr>
<td>Pursedelbe (Cobis scandens)</td>
<td>Various</td>
<td>Quick growing to 5'; several types; stands dry weather; blooms freely.</td>
<td>Good trellis; best effect with named varieties to get desired color.</td>
</tr>
<tr>
<td>Scarlet Runner (Phakoscoceus)</td>
<td>Scarlet</td>
<td>Persistent, twining vines, very fragrant flowers; bloom to frost.</td>
<td>Birds, vigorous; will grow anywhere; climbs trellis or string; good screen or cover; fair shade.</td>
</tr>
</tbody>
</table>

PERENNIAL

<table>
<thead>
<tr>
<th>NAME</th>
<th>CHARACTER</th>
<th>CULTURE AND USE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amspepios (Virginia Creeper)</td>
<td>Vigorous grower; climb or twine; hardy.</td>
<td>Boston Ivy is best substitute for English Ivy.</td>
</tr>
<tr>
<td>Rittersweet (Calonyclion)</td>
<td>Hardy native vine, unique fruit carried into winter.</td>
<td>Naturalistic effect on trees, shrubs or walls.</td>
</tr>
<tr>
<td>Clematis</td>
<td>Graceful, rapid growing vine; attractive foliage and flowers.</td>
<td>One of the finest climbers for trellis, summer-house, etc. Varieties for flowering in spring, summer and fall.</td>
</tr>
<tr>
<td>Dutchman’s Pipe (Aristolochia)</td>
<td>Long lived, shrub, with evergreens in border or in foundation planting; or under large evergreens.</td>
<td>Good veranda vine, also ground cover; evergreen shade.</td>
</tr>
<tr>
<td>English Ivy (Medora helix)</td>
<td>Graceful, rapid growing vine; attractive foliage and flowers.</td>
<td>Excellent for covering unsightly objects or rough corner.</td>
</tr>
<tr>
<td>Honey goose (Lonicera)</td>
<td>Vigorous, twining vine; very fragrant flowers; blooms freely.</td>
<td>Good veranda vine, also ground cover; evergreen shade.</td>
</tr>
<tr>
<td>Trumpeter Creeper (Bignonia)</td>
<td>Vigorous grower; small; white; requires support.</td>
<td>Naturalistic effect; grows anywhere; Grandiflora.</td>
</tr>
<tr>
<td>Wintercreeper (Eryngium)</td>
<td>Vigorous, twining; grows to 50'; most picturesque of</td>
<td>E. r. vegetus good substitute for English Ivy.</td>
</tr>
<tr>
<td>Wisteria</td>
<td>Vigorous, twining; grows to 50'; most picturesque of</td>
<td>For pergolas, gates, verandas, especially where vine can run horizontally.</td>
</tr>
</tbody>
</table>

PLANT MATERIAL FOR VARIOUS PURPOSES

FOUNDATION PLANTING

<table>
<thead>
<tr>
<th>EVERGREEN TREES</th>
<th>EVERGREEN SHRUBS</th>
<th>SHRUBS</th>
<th>PERENNIALS</th>
<th>BULBS &amp; ANNUALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pfister Juniper</td>
<td>Rhododendron Hybrids</td>
<td>Glade Abelia</td>
<td>Fagus (var.)</td>
<td>Tulips</td>
</tr>
<tr>
<td>Koster Redeker</td>
<td>Mountain Laurel</td>
<td>Siderat Deutzia</td>
<td>Dianthus</td>
<td>Narcissus</td>
</tr>
<tr>
<td>Savin Juniper</td>
<td>Drooping Lectone</td>
<td>Spiraea</td>
<td>Doffy (if removed)</td>
<td>Crista</td>
</tr>
<tr>
<td>Juniper (Various)</td>
<td>Delicacy (day lilies)</td>
<td>Hydrangea (low types)</td>
<td>Sedum</td>
<td>Euroflora</td>
</tr>
<tr>
<td>Veve (various)</td>
<td>Firethorn (Pyracantha)</td>
<td>Nandina</td>
<td>Viola Jersey Gem</td>
<td>Summer Hyacinth</td>
</tr>
<tr>
<td>Chamaecyparis (various)</td>
<td>Mahonia (Oregon Hollyhype)</td>
<td>Norway Snowball</td>
<td>Lobelia</td>
<td>Summer</td>
</tr>
<tr>
<td>Dwarf Magnolia Pine</td>
<td>Cotoneaster</td>
<td>Spiraea</td>
<td>Mammoth</td>
<td>Sweet</td>
</tr>
<tr>
<td>Dwarf Jap. Yew</td>
<td>Japanese Spurge</td>
<td>Coral-berry Almond</td>
<td>Kania</td>
<td>Basil</td>
</tr>
</tbody>
</table>

WINDBREAKS AND SCREENS

<table>
<thead>
<tr>
<th>EVERGREEN TREES</th>
<th>DECIDUOUS TREES</th>
<th>SHRUBS &amp; VINES</th>
<th>PERENNIALS</th>
<th>BULBS &amp; ANNUALS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Canada Hemlock</td>
<td>Privet (various)</td>
<td>Orange Orange</td>
<td>Boltonia</td>
<td>Ricasias</td>
</tr>
<tr>
<td>Norway Spruce</td>
<td>Jap. Snowball</td>
<td>Althea</td>
<td>Hollyhock</td>
<td>Sunflowers</td>
</tr>
<tr>
<td>White Spruce</td>
<td>Forsythia</td>
<td>Forsythia</td>
<td>Delphinium</td>
<td>Cosmos</td>
</tr>
<tr>
<td>Scotch Pine</td>
<td>Honeyshuckle</td>
<td>Hardy Sunflowers</td>
<td>Camas</td>
<td>Delphinium</td>
</tr>
<tr>
<td>Amer. Arborvitae</td>
<td>Jap. Kansyra</td>
<td>Hardy Sunflowers</td>
<td>Dalias</td>
<td>Japanese Hop</td>
</tr>
<tr>
<td>Red Cedrus</td>
<td></td>
<td>Maraschino</td>
<td>Scarlet Runner</td>
<td>(and others)</td>
</tr>
<tr>
<td>Chinese Juniper</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

March, 1979
HOUSE & GARDEN'S GARDENING GUIDE

PLANT MATERIALS FOR VARIOUS PURPOSES (continued)

EVERGREEN TREES

Canada Hemlock
Ponderosa Pine
American Arborvitae
Upright Juniper
English Yew
Spreading English Yew

EVERGREEN SHRUBS

Tree Box
Canada Yew
Dwarf Box
Firethorn, Lychwood
Winter creeper (var.)
Honeysuckle (evergreen)
Jap. Euonymus
Privet (evergreen var.)

SCHRUBS

Privet (curious)
Jap. Barberry
Wilson Barberry (low)
Hawthorn
Thorn (curious)
Jap. Quince
Rugosa Rose
Syrinx, Varchotte

PERENNIALS

Hollyhocks
Beacon
Daucus
Chrysanthemum
Violets

ANNUALS & BULBS

Kochia
Nasturtium
Snapdragons
Gypsophila
Nemophila
Bulbs, Poppies
Heliotrope

EDGING

(On front of larger varieties)
Globe Red Cedar
Chinese Juniper (dwarf var.)
Creeping Juniper
Wandering Juniper
Squawma Juniper
Arborvitae (dwarf var.)
Chinese Juniper (dwarf var.)
Globe Red Cedar
English Yew
Upright Japanese Yew
American Arborvitae
Canada Hemlock
Yews (creeping vars.)
Chamaecyparis (dwarf)
Arborvitae (dwarf var.)

GROUPS

Chamaecyparis, various
Juniper (in var.)
Chinese Juniper
Colorado Spruce
White Pine

EVERGREEN SHRUBS

Rhododendron (var.)
Mountain Laurel
Carolina Rhododendron
Amelanchier
Cotoneaster
Holly (var.)
Gloves Wintercreeper
Lobelia

PERENNIALS

Anemone Japonica
Aquilegia
Larkspur
Lupine

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

BORDERS

White Pine
Colorado Spruce
Balsam Fir
Blue Colorado Spruce

PERENNIALS

Aubrieta
Primula

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

GROUPS

Yew (in var.)

PERENNIALS

Abelia
Kalina
Cotoneaster, Prostrate
Rhododendron (var.)
Mahonia
Wintergreen Barberry
Weeping Barberry
Privet Honeycreeper (Glaube)

ANNUALS & BULBS

Helianthus (Sunflower)
Gypsophila

DECIDUOUS TREES

English Yew
Upright Japanese Yew
American Arborvitae
Canada Hemlock
Yews (creeping vars.)

SCHRUBS

Privet (curious)
Jap. Barberry
Wilson Barberry (low)
Hawthorn
Thorn (curious)
Jap. Quince
Rugosa Rose
Syrinx, Varchotte

PERENNIALS

Hollyhocks
Beacon
Daucus
Chrysanthemum
Violets

ANNUALS & BULBS

Kochia
Nasturtium
Snapdragons
Gypsophila
Nemophila
Bulbs, Poppies
Heliotrope

SPHENIC

PERENNIALS

Primula

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

PERENNIALS

Aubrieta
Primula

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

GROUPS

Sycamore (var.)

PERENNIALS

Abelia
Kalina
Cotoneaster, Prostrate
Rhododendron (var.)
Mahonia
Wintergreen Barberry
Weeping Barberry
Privet Honeycreeper (Glaube)

ANNUALS & BULBS

Helianthus (Sunflower)
Gypsophila

ROCK GARDENS

PERENNIALS

Aubrieta
Primula

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

GROUPS

Sycamore (var.)

PERENNIALS

Abelia
Kalina
Cotoneaster, Prostrate
Rhododendron (var.)
Mahonia
Wintergreen Barberry
Weeping Barberry
Privet Honeycreeper (Glaube)

ANNUALS & BULBS

Helianthus (Sunflower)
Gypsophila

EDGING

(On front of larger varieties)
Globe Red Cedar
Chinese Juniper (dwarf var.)
Creeping Juniper
Wandering Juniper
Squawma Juniper
Arborvitae (dwarf var.)
Chinese Juniper (dwarf var.)
Globe Red Cedar
English Yew
Upright Japanese Yew
American Arborvitae
Canada Hemlock
Yews (creeping vars.)
Chamaecyparis (dwarf)
Arborvitae (dwarf var.)

GROUPS

Chamaecyparis, various
Juniper (in var.)
Chinese Juniper
Colorado Spruce
White Pine

EVERGREEN SHRUBS

Rhododendron (var.)
Mountain Laurel
Carolina Rhododendron
Amelanchier
Cotoneaster
Holly (var.)
Gloves Wintercreeper
Lobelia

PERENNIALS

Anemone Japonica
Aquilegia
Larkspur
Lupine

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

BORDERS

White Pine
Colorado Spruce
Balsam Fir
Blue Colorado Spruce

PERENNIALS

Aubrieta
Primula

ANNUALS & BULBS

Lavatera
Roses
Scaevola
Helianthus (Sunflower)
Gypsophila

GROUPS

Yew (in var.)

PERENNIALS

Abelia
Kalina
Cotoneaster, Prostrate
Rhododendron (var.)
Mahonia
Wintergreen Barberry
Weeping Barberry
Privet Honeycreeper (Glaube)

ANNUALS & BULBS

Helianthus (Sunflower)
Gypsophila

DECIDUOUS TREES

English Yew
Upright Japanese Yew
American Arborvitae
Canada Hemlock
Yews (creeping vars.)

SCHRUBS

Privet (curious)
Jap. Barberry
Wilson Barberry (low)
Hawthorn
Thorn (curious)
Jap. Quince
Rugosa Rose
Syrinx, Varchotte

PERENNIALS

Hollyhocks
Beacon
Daucus
Chrysanthemum
Violets

ANNUALS & BULBS

Kochia
Nasturtium
Snapdragons
Gypsophila
Nemophila
Bulbs, Poppies
Heliotrope
EVERGREENS

<table>
<thead>
<tr>
<th>Amer. Arborvitae</th>
<th>Bald Cypress</th>
<th>Sweet Magnolia (M. glauca)</th>
<th>Azalea, Swamp and others</th>
<th>Inkberry</th>
<th>Box</th>
<th>Boxwood</th>
<th>Box</th>
<th>Buxus</th>
<th>Cotoneaster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chinese Juniper</td>
<td>Douglas Fir</td>
<td>Eastern White Pine</td>
<td>Eastern White Pine</td>
<td>Evergreen</td>
<td>Fothergilla</td>
<td>Fothergilla</td>
<td>Fothergilla</td>
<td>Fothergilla</td>
<td>Fothergilla</td>
</tr>
<tr>
<td>Sargent Juniper</td>
<td>Dwarf Japanese Yew</td>
<td>Hick’s Yew</td>
<td>Kosler Redcedar</td>
<td>1 'mlirella I'ine</td>
<td>Chamaecyparis</td>
<td>Chamaecyparis</td>
<td>Chamaecyparis</td>
<td>Chamaecyparis</td>
<td>Chamaecyparis</td>
</tr>
<tr>
<td>Balsam Fir</td>
<td>American Plane</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

DECIDUOUS TREES & SHRUBS

<table>
<thead>
<tr>
<th>Tree</th>
<th>Sweet Gum (Tuglo)</th>
<th>Waterlocust (Glabrous)</th>
<th>Swamp Maple</th>
<th>Swamp White Oak</th>
<th>Red Birch</th>
<th>Butternut</th>
<th>Summercypress (Sweetpepper Bush)</th>
<th>Blueberry</th>
<th>Black Alder</th>
<th>Winterberry (Hec)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tree</td>
<td>Willow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERENNIALS

<table>
<thead>
<tr>
<th>Boronia</th>
<th>Hollyhocks</th>
<th>Violet</th>
<th>Dogwood</th>
<th>Violets</th>
<th>Delphinium</th>
<th>Foxglove</th>
<th>Butomia</th>
<th>Valeriana</th>
<th>Campanilla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perennial</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

ANNUALS & BULBS

<table>
<thead>
<tr>
<th>Sunflowers</th>
<th>Cosmos</th>
<th>Larkspur</th>
<th>Snapdragons (Giant)</th>
<th>Stocks</th>
<th>Stock</th>
<th>Calendula</th>
<th>Calendula</th>
</tr>
</thead>
<tbody>
<tr>
<td>Annuals</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

WATER PLANTS

<table>
<thead>
<tr>
<th>Hardy Nymphaea</th>
<th>Tender Nymphaea</th>
<th>Nelumbium (Lotus)</th>
<th>Giant Arrowhead (Sagittaria)</th>
<th>Cattail (Typha)</th>
<th>Waterlily</th>
<th>Waterhyacinth</th>
<th>Pickerelweed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Plants</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PLANT MATERIALS FOR VARIOUS PURPOSES (continued)

SWAMP, BOG, AND WATER GARDENS

<table>
<thead>
<tr>
<th>Box Trees</th>
<th>Box (dwarf)</th>
<th>Barberry</th>
<th>Japanese Yew</th>
<th>Japanese Arborvitae</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box</td>
<td>Box</td>
<td>Barberry</td>
<td>Japanese Yew</td>
<td>Japanese Arborvitae</td>
</tr>
</tbody>
</table>

FORMAL TYPE

<table>
<thead>
<tr>
<th>Column Chinese Juniper</th>
<th>Italian Cypress</th>
<th>Swedish Juniper</th>
<th>Spirea Greek Juniper</th>
<th>Globe Arborvitae</th>
<th>Boxwood</th>
<th>Forsythia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box shrubs</td>
<td>Box shrubs</td>
<td>Box shrubs</td>
<td>Box shrubs</td>
<td>Box shrubs</td>
<td>Box shrubs</td>
<td>Box shrubs</td>
</tr>
</tbody>
</table>

INFORMAL TYPE

<table>
<thead>
<tr>
<th>Box</th>
<th>Box (dwarf)</th>
<th>Barberry</th>
<th>Japanese Yew</th>
<th>Japanese Arborvitae</th>
</tr>
</thead>
<tbody>
<tr>
<td>Box</td>
<td>Box</td>
<td>Barberry</td>
<td>Japanese Yew</td>
<td>Japanese Arborvitae</td>
</tr>
</tbody>
</table>

PICTURESQUE TYPE

<table>
<thead>
<tr>
<th>Holly</th>
<th>Fothergilla</th>
<th>Cotoneaster</th>
<th>Fothergilla</th>
<th>Fothergilla</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holly</td>
<td>Fothergilla</td>
<td>Cotoneaster</td>
<td>Fothergilla</td>
<td>Fothergilla</td>
</tr>
</tbody>
</table>

(Continued on page 196)
PLANNING A COLORFUL KITCHEN
The Mental Hazard of Culinary Tasks Is Now Considerably Lessened by the Introduction of Color

ELIZABETH HALLAM BOHN

Our lives today are as vivid and bizarre as an Oriental garden. Action and color intermingle with purple shadows. Highlights are picked out with the sharp accent of contrast. Of old, the greater part of the home-maker’s time and thought was necessarily focussed in the kitchen. Now electricity assumes more and more of the drudgery of detail. And to efficiency and sanitation the colorists are adding atmosphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere. So when the new electric mixer lures the young chatelaine into the kitchen, or sphere.

As the sun determines the temperament and destiny of mankind, so should he decide the color scheme of the room wherein man’s sustenance is prepared. The cold and cheerless exposure of the north needs not the shiny surface and restrained tones of the tiles of Holland as an inspiration for its color notes. Blue is for the kitchen flooded with sunshine. Cool greens and grays, too, temper the sun’s ardent rays. The warmer yellows and browns, inspired perhaps by the colorful pottery of sunny Italy or Spain, the gold of California orange groves, or a vivid accent of red, symbol of action and human interest, will entice into the kitchen the most fleeting sunbeam.

COLOR DISTRIBUTION

The softer surfaces of unglazed tile, mat, paint and curtains of colored voile, which hang more graciously after each trip to the tub, give a depth and warmth impossible to obtain with the bright glazes and harder colorings of porcelain, enamel or the glazed English chintzes.

Many and strange are the liberties which modern decoration has taken with the basic laws of color relations in ceiling, walls and floor. But in the kitchen of good taste, designed for lasting satisfaction, the fundamental rules are still observed. Darker tones on the floor absorb too strong reflection and keep this subordinate surface “in its place” beneath busy feet. Less direct light on the walls allows greater flare in color—light hues to increase the apparent size of the little six by eight apartment cooking-nook or more intense shades to make more cozy and intimate the roomy seaside kitchen.

The ceiling may be as light as harmony requires, for with the modern window ventilator to blow out smoky fumes its freshness remains unafflicted. Where it is not desired to close part of the window with a ventilator, or not feasible to install it in the wall, an electric fan of the gyrating type, set near the top of the window frame, will quickly blow out unwelcome smoke and dispose of cooking odors.

A PRECAUTION

Various materials take the same color quite differently. Disappointment will result if we expect to brush lacquer onto a kitchen cabinet or electric refrigerator and obtain the same color surface as a porcelain sink, where the color has been fused in, or the hue of enamel baked onto solid black iron. Thought and research have been spent on these latter. Artists of skill have worked for the desired shades. Manufacturing processes are being adjusted to meet these expensive demands. But human affections are fickle, the background which stimulates us today becomes accustomed and unnoticed in a few years. So the more conservative manufacturers are hesitating, and with good reason, about offering permanent equipment in colors which may be demoded while uselessness remains. Better to build the scheme around wall surface and paint, more flexible and easily changed as fancy dictates, unless, as in the case of fine tiling, the kitchen is being designed for eternity.

Occasionally some treasure will decide the color note of the kitchen. A Mexican water jar, cherished copper pots, a linoleum too good to change call for certain shades to complement and harmonize. In the wide range of hue and tone available in paint, various materials take the same color quite differently. Disappointment will result if we expect to brush lacquer onto a kitchen cabinet or electric refrigerator and obtain the same color surface as a porcelain sink, where the color has been fused in, or the hue of enamel baked onto solid black iron. Thought and research have been spent on these latter. Artists of skill have worked for the desired shades. Manufacturing processes are being adjusted to meet these expensive demands. But human affections are fickle, the background which stimulates us today becomes accustomed and unnoticed in a few years. So the more conservative manufacturers are hesitating, and with good reason, about offering permanent equipment in colors which may be demoded while uselessness remains. Better to build the scheme around wall surface and paint, more flexible and easily changed as fancy dictates, unless, as in the case of fine tiling, the kitchen is being designed for eternity.

For the luxurious house, the attractive shades and primitive texture of faience tiles offer a medium full of delightful old-world atmosphere for floor, walls and ceiling of the colorful kitchen. Expensive at the start, their great durability of surface and color makes them outstandingly economical. Dust, stains, smoke and time leave them unharmed. Like flowers in a garden, combinations of tile colors rarely clash for the tone value of all is practically the same. The soft light reflections from a kitchen of semi-dull textured tile in faun, buff, apple green or ciel blue with decorative Saracen or Persian designs above its matching sink of tiles, with furniture of soft gray, offer an artistic and unusual workshop where the fairies themselves might dance in between the colorful organ-curtains to instruct the young bride in her new duties.

For the more modest kitchen, the colorful influence of 15th Century Italy has inspired a surface of vitreous marble in charming hues of green, gray and blue. Wall surfaces of this material need no redecorating or repairs. The sheets, plain or in tiled effect, are applied as large as 54 x 120 inches. Easily cleaned and all-concealing, they are invaluable where the damaged or imperfect walls of an old kitchen are to be covered. Secondary colors may be hand-rubbed into the design, revealing new worlds of decorative possibilities. Their soft, cool tones repeat themselves in darker shades on the floor—in composition materials or linoleum of imitation marble, tiling effects, plain surface or patterns. A good floor wax rubbed in monthly assures to linoleum a far longer life. The color, too, is reborn with each polishing.

In such a kitchen, glazed chintz curtains may reflect their note of brilliance in the gay primary colors of an occasional saucepan or the teakettle vivibly standing out against the gray of the gas range.

KITCHEN WALLS

Wall paper, too, solves many a problem for the old kitchen. Prepared papers come in attractive patterns or a coat of washable varnish will make any suitable wall paper efficiently fulfill a kitchen destiny. Delightful pictorial panels, reflecting the primitive character of kitchen activities, may also be varnished so that no place for dust to lurk will remain.

Flat washable paints permit the most modest purse to aspire to a kitchen delightful in its color harmony. The standardized color of furnishings or appointments makes the starting point from which paint can evolve a color ensemble limited only by the imagination of the artist. The paint should first be tried out on a portion of the wall that is to be treated, rather than to trust too much in the tiny sample on the painter’s card. Mild soap and water will easily keep these painted walls immaculate.

To keep the decorating of the kitchen in a key appropriate to a room where there is no possible careles scheme of arrangement, the textures and general color scheme must

(Continued on page 156)
Since it is no bigger than a thimble, Walter S. Gifford calls his country place "Thimble Farm". The house, well over a hundred years old, is in North Castle, N. Y., on an alluring dirt by-road back of White Plains that assures it rural privacy. Other photographs of house and grounds are shown on the following pages.
Though it is modest in size and simple in furnishing, "Thimble Farm" boasts one magnificence that is the envy of all—the towering Sugar Maple standing between the house and the out-building where the boys sleep. A picket fence, in character with the buildings, surrounds the place.

In this age of display, when our captains of industry go in for palaces, it is a striking commentary that the president of one of the world's largest corporations should choose a secluded little farmhouse. The out-building, once a woodshed, has been remodeled for the boys' quarters.
The Early American tradition has been followed throughout the furnishing of the house. Hooked rugs, chintzes, pewter, pine tables and chairs and sideboards maintain the atmosphere of the exterior. The hearthplaces are generously scaled. The one in the dining room is equipped for cooking.

Livable, cozy, warm and inspiring, "Thimble Farm" is a refuge from the metallic hardness of modernistic trends and a safe haven from the pressure of metropolitan existence. Except for modernizing its equipment, the farmhouse stands as it has stood over the past hundred years.
This Calendar of the gardener's labors is planned as a reminder for taking up all his tasks in their proper season. 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.

**FIRST WEEK**

**SECOND WEEK**

**THIRD WEEK**

**FOURTH WEEK**

**The GARDENER'S CALENDAR for MARCH**

As a general thing, outdoor seed planting needs to await until the soil has been reasonably dried and warmed by the spring sun, but there is one popular garden flower which does best when sown just as soon as the ground can be dug. This is the Sweet Pea, a lover of coolness and rich fare for its deep-rooting roots. If its seeds can be planted this week, put them not more than two inches deep in a trench and filling in as they grow until the general ground level is reached six inches above where the seeds were planted, the chances for full success will be enhanced.

A check-up of the garden tools before the season for really using them arrives is an excellent idea, for when an implement is wanted it is usually wanted at once and in good condition. Oiling, sharpening and painting—these are the usual matters to be looked after, besides the actual replacement of tools which have been lost, strayed or stolen or have weakened so that they cannot give good service.

Another early spring chore is to prepare the inspection and repair of all trellises and other outdoor plant supports which may need a touch here and there. To attempt such work when the vine growth is under way would increase its difficulties and bring more or less unsatisfactory results, to say nothing of possible injury to the plants while fussing around them when they ought to be allowed to grow in uninterrupted peace and quiet.

As the plants begin to poke up through the soil, the gardener will observe that evaporation is increased and soil loss by washings is much greater than during the winter. The surface of the soil is now almost bare, with the exception of some of the mulch remaining from the garden operations of the last season. A good mulch of any kind is a great help on a hot sunny day to cut down the loss of moisture and also to prevent weeds from coming up. The mulch should now be made ready for use. It should be spread over the bed previous to the planting of the early vegetables to keep the soil at a proper temperature and to prevent weeds from coming up through the mulch. In the case of the lawn, the surface of the soil is usually well started—indeed, if the soil has been properly prepared and under glass is well started—so that the early growth is not advisable for the preparation of new growth. The surface should be kept as level and as dry as possible until the general ground level is reached.

Do not plant seeds of the following varieties until the risk is past. Some of them will not germinate at the time the second pair of leaves appears. A few of them because of the danger of late frosts may need a touch here and there. The sprouting of the seeds in the case of Maples, the process of setting and the early growth is under way would in- crease its difficulties and bring more or less unsatisfactory results, to say nothing of possible injury to the plants while fussing around them when they ought to be allowed to grow in uninterrupted peace and quiet.

A general bone-mealing of the hardy border is now in order, with an extra handful of the stuff around the larger plant clumps. Such a top-dressing, scratched into the surface of the soil with a cultivating "claw" or small rake, will start to do its stimulating work about the time that normal active growth gets under way.

**THIRD WEEK**

**FOURTH WEEK**

When one has gone to the trouble of sowing seeds and waited more or less patiently for the tiny plants to appear above the surface, the satisfaction of seeing them come up thickly is a very real sensation. It seems a pity to discard any of these numerous plantlets when appearance is so eagerly watched for, but often it must be done. Overcrowded seedlings mean that none of the lot will have a chance to grow into a good plant, so as soon as they are large enough to be transplanted—about the time the pair of new leaves starts to show—the best ones should be rest in another flat, putting them an inch or so apart. Here they can grow unhindered until the time comes for planting them in their permanent places outdoors.

A general bone-mealing of the hardy border is now in order, with an extra handful of the stuff around the larger plant clumps. Such a top-dressing, scratched into the surface of the soil with a cultivating "claw" or small rake, will start to do its stimulating work about the time that normal active growth gets under way.

In view of the generally held belief that fall and winter are the seasons for all kinds of tree pruning it is interesting to note that, in the case of Maples, the best time for such work is that period in the spring when their leaves are actually coming out. This is based on the theory that the trees are then in the best condition to heal their wounds quickly, as well as to turn the energy from the pruned portions into the development of new leaves.

Spring, too, is the best season for planting coniferous trees of all sorts. From the time the frost is out of the ground until early May is the most favorable period.

**OLD DOC LEMMON SAYS—**"Wal, it kind o' looks as though the back o' the winter has been broken for a couple days, now, the sun's been melten' like all-passed. Late night there wasn't even 'ough frost to do more'n skim over the puddle in the low part o' the path from the kitchen door out to the well, an' up to the time I went to sleep 'bout ten o'Clock, I could hear the grass trickle down the sukk spot to the water bar'l under my winder."

"It allus s'prises me how quick the birds git onto the idee o' spring, an' start in a spell like this comes along at the tail-end o' winter. The sun has considerable midday heat, an' it kind o' makes 'em afeared that winter ain't goin' to stay long, an' they up an' start a-crazin' to git their mates an' start in house-keepin'."

"An' then there's the crows. All winter they ain't hardly said a word—ye wouldn't hev knowed there was any around, only for the crowin' an' cawin' an' laughin' that comes out o' Cooley's Mountin a flock of 'em wrastled an' cawed 'bout the good word—ye wouldn't hev knowed there was any around, only for the crowin' an' cawin' an' laughin' that comes out o' Cooley's Mountin a flock of 'em wrastled an' cawed 'bout the good word."

"'Bout this time I got out a few weeks now, before the Roses begin to show signs of life, consequently the time is at hand to do whatever pruning the condition of the plants requires. All dead wood must be removed, of course, and the bushes cut back to stimulate the development of new wood on which the blossoms will appear. The extent of the pruning will vary with the different types and should be studied in the pages of a good Rose manual."

As for lawn rolling, do it after a rain when surface water has soaked away the hardening of the earth. One good rolling at such a time does more for a lawn than three when the soil is dry and hard. In the rock garden it will be well to make a rather careful examination and remedy any heaving of the plants which may have occurred as a result of the frost's departure from the soil. Have a pull of stone chips at hand, too, for top-dressing and resurfacing any places which may have suffered erosion by the rains. Where much soil has been washed away it must be replaced, of course.

As the plants begin to poke up through the soil, the gardener will observe that evaporation is increased and soil loss by washings is much greater than during the winter. The surface of the soil is now almost bare, with the exception of some of the mulch remaining from the garden operations of the last season. A good mulch of any kind is a great help on a hot sunny day to cut down the loss of moisture and also to prevent weeds from coming up through the mulch. In the case of the lawn, the surface of the soil is usually well started—indeed, if the soil has been properly prepared and under glass is well started—so that the early growth is not advisable for the preparation of new growth. The surface should be kept as level and as dry as possible until the general ground level is reached.
Taking an old-time family favorite and giving to it the fine French touch! You sense at once that this has been achieved in Campbell’s Vegetable Soup.

Here is vegetable soup refined and perfected to meet the most exacting taste. It is a soup that combines, in a rare degree, tempting flavor and the satisfaction of generous nutriment.

As you know, the latest teachings stress the importance of serving more and more of the health-giving vegetables. Campbell’s Vegetable Soup offers you a delightful way to increase the vegetable foods on your table.

Especially if you have children is this soup useful. They love it. No need to coax them to eat their vegetables when you give them Campbell’s Vegetable Soup!

Often this soup is the ideal luncheon or supper. Its fifteen different vegetables make a quite sufficient midday or evening meal.

And as a daily aid in meal-planning, consult the full list of the twenty-one Campbell’s Soups printed on every label. 12 cents a can.

Look for the red-and-white label with the meal or as a meal Soup belongs in the daily diet.
"In my day, it took hard work to protect furniture against heated air"

OLD-FASHIONED, hard hand rubbing went out when VERNAX came in," her daughter answered. "Of course, artificially heated air is as bad for fine wood as it ever was—but it's much easier to combat!"

"Are you sure that just whisking that cloth over the surface will protect your nice things?" asked her mother suspiciously.

"Well—I do rub it a little—but you might not even call it that! See—"and she passed the VERNAXED cloth over the table with a firm, yet brisk motion.

"First application—cleans it, rubs it into the pores of the wood. Second—brings out that lovely lustre. Once a week—and my furniture's safe."

"It's a great advance over my day, when we had to use smearable oils that were horrid to touch and smell," sighed her mother. "You young housekeepers don't appreciate your blessings."

"I appreciate VERNAX all right," said her daughter fervently. "It cleans and polishes everything from the furniture to my leather handbags and Junior's leather leggings."

You, too, can prove the value of VERNAX—and for only 10c. Send the coupon today for the liberal trial bottle—enough to VERNAX your favorite piece of furniture.

VERNAX
Furniture Cream
Distributed by Schieffelin & Co.
for Arthur S. Vernay, Inc., New York
Reg. Trade Mark

Laboratory of Schieffelin & Co.
20 Cooper Square, New York City

Enclosed is 10c. Send me trial bottle of VERNAX and booklet, "The Care and Restoration of Furniture and Woods," by Arthur S. Vernay.

Name
Address
City
State

My dealer is

Address

(Above) A convenience for the smoker is an electric lighter which may be attached to the reading lamp. Available in red, green, amber or blue. Lewis & Conger

(Above) A new household accessory, an electric sandwich toaster of cast aluminum, which is easy to work and keep clean, is ideal for preparing spreads. Lewis & Conger

(Left) An attractive monel metal container makes coffee by a new siphon method and boils water for tea in a separate compartment at the same time. Stern Bros.

A small portable electric washer washes, rinses and dries delicate lingerie easily and carefully. It is available lacquered white, cream, yellow, blue or gray. R. H. Macy & Co.
Music
that charmed the kings of France in the days of old Versailles

The world's great artists are Victor artists
ELMAN STRING QUARTET, FLONZALEY QUARTET,
BUDAPEST STRING QUARTET, PHILADELPHIA CHAMBER STRING SIMPONIETTA...

PORCELAIN ladies in patterned silks.
Powdered perukes and periwigs.
Across the gleaming floor, the court musicians are playing. A harp, a 'cello, a flute, a violin. The Haydn D Major Quartet. Charming...
intimate...
exquisite.

Great composers of all time have lavished their genius on chamber-music. This lovely old art-form has lost none of its peculiar charm. You can hear chamber-music played by the foremost artists in your own home, through the Orthophonic Victrola. Precisely as you would have heard it in the days of the Bourbon kings.

The new Victrolas are beautiful—in appearance and in performance. The home that does not have one of these great instruments is missing much, without question. Victor Talking Machine Co., Camden, N. J.

The New Orthophonic

Victrola

Reproductions

Among the rare pieces in our third floor galleries is this massive dresser of sixteenth century Tuscan design. Parts of it have been restored in the interest of practical use, but its fine patine and opulent carvings bespeak its antiquity. Our collections of English, French and Italian antiques are particularly impressive.

John A. Colby & Sons
129 North Wabash Ave. • • • Chicago
Interior Decorators
Since 1850

The spirit of the new Russia is expressed in these exquisitely decorated lacquer boxes, the work of the people of "Palekha", a little Russian village

Decorative Lacquer Boxes

(Above) The strong tendency of the Russians towards symbolism is apparent in the decoration of the cover of this glove box, which might be called "The Peasant's Harvest"

(Right) Golikov, craftsman of Palekha, is skilled in depicting horses. When his theme is borrowed, tiny golden letters at the bottom of the picture record this fact.

The spirited steeds which draw the troika are rivaled only by the fiery animals rearing up to charge in battle as portrayed on the cover of the round box shown above.

A large collection of Palekha boxes was shown for the first time in America at the Exposition of Russian Arts and Handicrafts held recently in New York City. Photos courtesy Peter A. Juley & Son.
With the advent of

CANNON • LAVENDER • LAWN

sheets become one of the most interesting

domestic purchases

The Cannon Lavender Lawn label shown here indicates the finest sheet in the world, made in white and six fashionable pastel colors, guaranteed fast. . . . All sheets so packed are scented with Old English Lavender.

In outfitting a home, as in planning a wardrobe, the choice of fabrics is fundamental to the success of the complete effect. With the mode of today, texture, in decoration as in dress, has assumed a new importance. Cannon Lavender Lawn sheets (made by the makers of Cannon towels) were designed purposely to suit today's manner of living. Their texture, finish and appearance make possible true elegance in arraying the bed.

Sheets in the past have been as staple as sugar! But Cannon Lavender Lawn is styled to make sheet purchases a fascinating experience. The packages are royal. As the sheets are unwrapped, you are greeted with the fresh fragrance of lavender. And when you touch them you appreciate a new and welcome softness. You are handling what is literally the finest sheet in the world, a fabric that is a handsome example of modern textile art.

The Cannon mills went into the sheet business with the intention of producing a sheet outstanding in every respect—from raw material to finished product. We chose Egyptian cotton, famous for its long staple. We fully combed this naturally strong elastic yarn. We wove with scientific skill, finishing with special care and giving thought to making each detail of Cannon Lavender Lawn luxurious. We are proud of the result.

You will take pride in owning such sheets. They are made in the fashionable pastel shades, as well as in snowy white. Choose the colors* for becomingness to the room in which they will be used, and for their flattering charm . . . Making up the beds in your home with Cannon Lavender Lawn will be a domestic event. Don't postpone so pleasant a purchase! The sheets are on sale in up-to-date stores everywhere.

Sea-shell pink, canary yellow, Nile green, peach, orchid, shade blue and snowy white.* All colors guaranteed fast.

Hemstitched or plain. Average size in white—about $10 a pair, $5 each. Other sizes grade accordingly.

In boxes: combinations of sheets and matching pillow cases, admirable for gifts.

In packages: six sheets; a dozen pillow cases; convenient for the linen chest.

Doesn't this change all your ideas about Window Shades?

Of course, you've never before thought of window shades as actual units of decoration—like your draperies, rugs, furniture. For never until now have window shades had distinction of pattern, as well as color.

That's why Brenlin Piqué will be a revelation to you!

Smart, slender piqué cords. Woven right in the fabric itself! Velvet-soft richness of design that brings to your windows a style note sure to be observed.

New vogue in color, too! Lovely hand-applied tints specially chosen to harmonize with any interior. Colors that resist fading by sun, spotting by rain.

Your shades of Brenlin Piqué will always hang straight and smooth, for they are made of the famous Brenlin long-wearing window shade material.

See Brenlin Piqué for yourself! And choose just the tints that will harmonize effectively with your draperies and furnishings.

You can do this by means of an interesting Color Selector, worked out by a well-known interior decorator. 10¢ enclosed with coupon below brings you samples of Brenlin Piqué in all tints, Color Selector, and an instructive new book on this modish material. We will also send name and address of your nearest Brenlin dealer.

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Please send me samples of Brenlin Piqué, descriptive book, and Color Selector. Also, name and address of nearest Brenlin dealer. I enclose 10¢ (stamps or coin)

Name
Address

THE MODERN FRENCH RUGS

Showing a pleasing restraint in the matter of design, the French rugs illustrated may be used in period as well as contemporary rooms. (Left) A modern version of a Directoire design.

(Right) Victorian in feeling, this design of cords and tassels is yet distinctly modern. The background is beige gray; the pattern is in Wedgwood blue. These rugs are from Bucoss, Paris.

(Right) A modern rug of uncut pile which has a decided Directoire flavor. The design of conventionalized feathers, wings, and quills is in green, gray, black, white, terra cotta and red.

(Right) A rug for a man's office has a gray background with black and white smoke clouds coming out of chimneys. The border is red with gray cog-wheels and the factory buildings are white.
The Neckline of Beauty: In a sapphire and diamond necklace Black Starr and Frost have developed a new thought in jewelry design—the neckline of beauty.

The necklace is shaped so that it takes the graceful contour of the neck as though a sculptor had formed it.

BLACK STARR & FROST
Gifts That Suit The Needs of Every Taste and Purse
JEWELERS FOR 119 YEARS
FIFTH AVENUE, CORNER 48TH STREET, NEW YORK • PARIS • PALM BEACH • SOUTHAMPTON
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NORVAL A. HAWKINS
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Ford Motor Company
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Has this to say about Miller De Luxe Balloons:

"Your new Miller De Luxe Balloon is, in my opinion, one of the most outstanding contributions ever made in the interests of safe, carefree motoring. I am using a set on my personal car—and have never traveled in an automobile with so complete a sense of security.

Users are receiving from these tires 40% to 75% more than the mileage of ordinary balloons. Due to a 50% heavier tread you are not likely ever to puncture them from ordinary causes.

Miller De Luxe Balloons should last as long as most people keep their cars. And, regardless of the speed you drive or the road conditions you encounter, they will live up to their promise of great mileage, extreme durability, greater freedom from puncture, and slow tread wear. That is why the men who know have termed the Miller De Luxe Balloon "the tire sensation of a decade."

THE MILLER RUBBER COMPANY of AMERICAN ARKON, OHIO, U.S.A.

MILLER
TIRES • TUBES • ACCESSORIES AND REPAIR MATERIALS • DRUG SUNDRIES
BATHING WEAR • SHUGLOVS • RUBBER BALLS AND TOYS • MOLDED RUBBER GOODS
This Is a Mathematical Certainty

If a buyer starts with the one thought and the one thought only that he wants his driving comfort to be as complete as is humanly possible, the contrast between Cadillac-LaSalle and all other cars admits of only one decision.

WHERE can you find a car entitled to challenge the Cadillac-LaSalle leadership of the fine car group? Especially in safety and easy mastery of control is their superiority beyond dispute. No other cars have brakes so powerful, yet so easy to operate, for no others have the Duplex-Mechanical System of Four-Wheel Brakes. No others have the Syncro-Mesh Silent-Shift Transmission which enables you to shift gears instantaneously at any speed without awkwardness or hesitancy.

Then there is, also, the Cadillac-LaSalle crystal-clear, non-shatterable Security-Plate Glass. Add these features to Cadillac-LaSalle prestige and beauty and you perceive at once that only in Cadillac or LaSalle can you find the finest the world affords.

La Salle is priced from $2295 to $2875; Cadillac, from $3295 to $7000; all prices f. o. b. Detroit. Cadillac-LaSalle dealers welcome business on the General Motors Deferred Payment Plan.
The modern table
YOUTH INSPIRED

The younger social leader has quickly sensed the possibilities of the new glass, the new china, the new silver. The younger hostess of today is in the midst of experiencing a thrill of discovery, awakening new beauty in her table decoration, coming upon new effects that delight her guests.

For each new departure, she finds the linen damask tablecloths of Irish or Scottish weave, an indispensable foundation. Their soft lustre, their simple two-toned modernity, their deftly engaging designs, each contribute subtly to the beauty of a modern décor.

LOVELY LINEN
DAMASK TABLECLOTHS & NAPKINS
impressively correct

In snowy white, cream, ivory, pale gold, rose, delicate green these lovely tablecloths and napkins are procurable at your favorite shop...moderately priced
Give your entrance hall the cheerful warmth of color that says "welcome" to your friends. Correct in design, the distinctive patterns of W. & J. Sloane Linoleum create an impression of dignified hospitality. A smooth, lustrous, double-waxed finish makes them ready for use the instant they're laid. Sold by leading retailers everywhere. W. & J. Sloane Mfg. Co., Trenton, New Jersey.

W. & J. SLOANE LINOLEUM
To the man who has owned twenty or more automobiles—a challenging new motoring experience is now offered. • A motor that has conquered all the major road and hill records from coast to coast—keeping its top speed undiminished after long hours of continuous driving. • A second gear as silent as high, from a standing start to 55 miles an hour—permitting quick, easy shifting and noiseless operation throughout all the ordinary range of traffic conditions. • Riding ease that brings you home fresh and relaxed after an all-day drive—doubly assured by the flexible, light-weight construction and the famous full-elliptic springs. • As to body lines, interiors and appointments—exactly what you would expect in the one car with the driving feel of the airplane—the world's fastest road car. An interesting demonstration awaits you.
Franklin Automobile Co.,
Syracuse . . . New York.

The new Franklin prices range from $2180 up— at the Factory
Doesn’t it seem a pity to let this season’s fun slip into the shadowy corners of memory? Must that happen? Is there nothing you can do to prevent it?

How would you like to be able to re-live...at any moment you wish...many of the good times that this winter is bringing you?

Perhaps there are toboggan parties. Perhaps you are skiing or skating or hiking on snow-shoes. Maybe your chief delight is a good old-fashioned sleigh-ride. And how easy it is to get enthusiastic about these sports when congenial friends enter into them with you. Probably a long while has passed since you enjoyed yourself so much.

The lasting thrill of movies!

But the best of friends must separate and good times pass, never to return. Carry a Ciné-Kodak with you. Take movies of these happy moments. Then as long as you live this winter’s high spots may be repeated as often as you wish. Your Kodascope will project them on your own silver screen as you sit in your own living room. Once you have taken Ciné-Kodak home movies, the days that you want to remember are impossible to forget.

No special skill is necessary. With the Ciné-Kodak, home movies are no more difficult than snapshots. You send your films to us for developing, the cost of which is included in the price you pay for them. Everything has been made easy. Unbiased by the precedents and prejudices of professional cinema camera design, the men who made still photography so simple have now made home movie making equally simple for you.

Movies in COLOR!

They have gone farther. Today, another Eastman development—Kodacolor—enables you to make home movies in full color. With the Ciné-Kodak f.1.9, a filter and Kodacolor Film, you make the most beautiful living portraits of your family and friends. You simply use a color filter when making or projecting Kodacolor.

Ciné-Kodak

Simplest of Home Movie Cameras

Caught forever in a wonderful movie that you make yourself
Heirlooms Perpetuate Family Traditions

Family possessions have rarely become heirlooms because someone wished them to be so. Association with family tradition has imbued them with an intrinsic worth beyond measure. But here is a China service—Present-Day LOWESTOFT—that people purposely establish as their family heirloom! For Lowestoft is expressly being made again to fulfill such lofty ambitions.

The original Lowestoft was first brought to these shores from the Orient by 17th Century seamen, as mementos of their travels. What little remains today is jealously held by its possessors. But now Plummer's has made it possible to again acquire a Lowestoft, in partial or complete services. It is being manufactured by one of the oldest potteries in England from a very old china body—and for Plummer's exclusively! Purchasers of this service can give it even greater sentimental value by inserting their family crest or monogram. Nowhere else in America can it be obtained. Further details upon request.

WIN. H. PLUMMER & Co., Ltd.
IMPORTERS OF
Modern and Antique China and Glass

7 & 9 East 35th Street, New York
Near Fifth Avenue

H. K. PLUMMER & Co.
IMPORTERS OF
Modern and Antique China and Glass

NEW HAVEN, CONN., 594 CHAPEL STREET
HARTFORD, CONN., 56 Pratt Street

INSURANCE FOR HOME-OWNERS
HOWARD S. TIERNEY

WHEN an accumulated surplus enables one to purchase a home, the average person who has not had contact with insurance matters finds himself at a decided disadvantage in not knowing what forms of insurance are essential and necessary to protect this investment.

The underlying principle of insurance is that premiums received from a large number of risks, less the expense of acquiring and handling the business, should be sufficient to pay the losses on the smaller number of risks involving losses, and still leave a reasonable margin of profit to the insurance company. Contrary to the general belief at the present time, the growth and development of most of the insurance companies are not attributable to the profits on the underwriting of the business. In most instances the loss ratio is in excess of that which will permit a profitable margin but they have grown by making the largest part of their income from investments.

THE POLICY

It has aptly been said that "when one thinks of protection, one thinks of insurance", but "it does not follow that insurance is always protection."

An insurance policy is a contract between the party insured and an insurance company. In consideration of the payment of the premium specified in the contract, subject to the various conditions of the contract, the insurance company will reimburse or indemnify the insured against loss from the perils specified in the contract. It can readily be seen, therefore, that the average person needs expert advice in purchasing insurance.

Insurance may be purchased in one of three ways:

(1) Direct from an insurance company, by applying either in writing or in person to one of the many companies. Obviously you can purchase only such certain forms of insurance from this source as that particular company sells.

(2) From an insurance company's agent. Most of the companies secure a large part of their business through agents in the various cities and towns. Many of these agencies represent several companies and those that represent fire, marine, casualty and life insurance companies should be in a position to serve the insurance needs of the home owner.

(3) From an insurance broker or advisor. An insurance broker's services may be compared to the services of a lawyer on legal matters, except that the broker receives a fixed recompense from all insurance companies. He is legally responsible to his client to procure the insurance requested written in a proper manner and should represent his client in the adjustment of any losses; advise his clients as to the various forms of insurance needed to thoroughly protect their property.

Although the rates, generally speaking, for the various forms of insurance cannot in any sense be considered exorbitant today, a more favorable loss ratio would reduce existing rates.

There is in almost every State Government in the Union a department known as the Insurance Department. In most States this department has the authority to compel insurance companies to reduce the rates if they are making more than a reasonable profit; likewise to insist that they increase their rates if the loss ratio shows the rates to be inadequate. This is a protection to the insured public which is little recognized; it is quite as important that the department supervise the adequacy of the rates as it is to see that the rates are not excessive. In this way the financial stability of the companies is maintained, giving the insured far more protection than if companies were permitted to operate indiscriminately, and fail when, very often, a policyholder's claim represents years of saving. The number of insurance companies that fail in comparison to the number of failures in any other particular line of industry is relatively quite small.

The insuring public little realize to what extent they control and actually make the rates which they are charged. Proper cooperation for the reduction of losses, therefore, operates to the public's own advantage.

A resident in the suburbs or the country should cut away the long grass a sufficient distance from his home so that in the event of a grass fire in the spring or fall his property would not be exposed to this unnecessary risk. The smoking hazard is one of the largest sources of fire losses. Employees, and owners themselves, are certainly negligent when a fire is caused from this source.

Installation of electric lights and lamps by home owners, rather than by a licensed electrician, is another common source of fire losses. Losses from these sources would be cut if under the average insurance policy, yet it can readily be seen that the proper safeguards on the part of the property owner would eliminate them. Statistics show, however, that a large proportion of the annual fire losses are attributable to the improper wiring.

FOR BURGLARY

The fact that burglary insurance is carried should not encourage the property owner to remove all safeguards from the care of valuable property. There are certain limitations in a burglary policy which eliminate liability for some of the losses caused by the carelessness of the owner. However, the largest percentage of the losses that are paid annually would not have occurred had the proper precautions been observed.

More than 50% of the accidents in which automobiles are involved, causing injury to persons and property, can and should be prevented. Speed in crowded traffic, disregard for other motorists and pedestrians in order to save a few minutes in the course of a day, are responsible for a major number of the accidents.

When the public, either through the increasing cost of insurance or through education, realizes how it controls rate-making, civic bodies such as
ONE of the most distinguished decorative styles of all time, Georgian architecture and related arts will no doubt survive the fads and foibles of an experimental age, where culture and good taste prevail.

English interiors of the Early XVIII Century combined to a rare degree a fine sense of dignity with a feeling of livableness, and achieved decorative distinction through the happy co-ordination of the furniture and other appointments with an interesting yet restful background.

As a producing organization of decorators and cabinetmakers, we are prepared to complete an interior in harmony with any architectural motif in each detail of the background, furniture, lighting, hangings and other incidentals so essential to a well-considered decorative scheme.

New York Galleries, Inc., Decorators
And Now—Lovely Sterling Designed to Harmonize with the Decorative Spirit of American Homes of Good Taste

CREATING A NEW WAVE OF INTEREST AMONG DISCRIMINATING HOSTESSES IN THE PATTERN AND CRAFTSMANSHIP OF THEIR TABLE SILVER

For the Dining Room in the Spanish or Mediterranean Style

The Spanish style, like the English, is modern America's by right of inheritance. And what could be more appropriate in a Spanish or Mediterranean type of dining room than the GRANADO pattern, authentically correct in its interpretation of historic Spanish-Colonial design.

GOOD taste is the power of discerning and appreciating beauty, order and that which constitutes excellence. In the decoration of the home it is the ability to select what is pleasing, refined and appropriate.

A room in good taste is not the assembly of unrelated objects, no matter how fine is the quality and design of each object. It is the grouping together of appropriate things of excellence and good usage which harmonize and fit the homes we live in.

"Treasure" silversmiths, Rogers, Lunt & Bowlen Company, beyond creating charmingly beautiful patterns in Solid Silver, have had a keen appreciation for the fitness of their Tableware for modern American homes of good taste. So now, the smart hostess may exercise a little nicer discernment in the selection of this most cherished of all home appointments.

You may choose among "Treasure" patterns a design

For Those Who Love the Early English Style

Your house may be half-timbered or of whitewashed stone—typically English. Or perhaps of pioneer Colonial English interpretation with sharp gables and steeply pitched roofs—or even a rugged, informal Pennsylvania Dutch. If so, the WILLIAM AND MARY STYLE or the MARY II pattern will harmonize most happily.
which will just fit in with the decorative spirit of your home. Whether your home is done in early English manner, or the stately Colonial-Georgian spirit, or expresses the quaint charm of early American days, or decorated in the Spanish or Mediterranean style... there is a "Treasure" pattern which will harmonize perfectly with your dining room appointments—and will add a wealth of beauty and distinction to your home.

Based on enduring period designs, "Treasure" patterns carry the assurance of correctness and permanent good taste. Silver which will be a symbol to your friends and family, even down to your children's children, of that noble need in you to express yourself in beauty that endures. Perhaps, too, you would appreciate the assurance of always being able to purchase your "Treasure" pattern! You may start your service now with a few pieces and then add to your set, as time goes on, over a period of years. Probably you never will lose the desire to acquire more of this charming solid silver... in Tea Set, Coffee Set, and other pieces of Dinner Hollow-ware to match.

STERLING 925/1000 FINE

For the Dining Room of Georgian Elegance

In homes inspired by the works of the famous Colonial architects Bulfinch and McIntire, or tall-pillared Southern mansions, their stately dining rooms of classic design are most fittingly graced with table silver in the \textit{Adam} Style, blending perfectly with their refined, luxurious decorative feeling.

For the Dining Room Which Expresses the Spirit of Early American Days

Friendly and delightfully livable are the many modern adaptations of simple Colonial homes. In such a setting the \textit{Early American} Style, Plate or Engraved, is in perfect keeping, for this pattern takes its inspiration from the best examples of spoon designs made by our early American silversmiths.

There is an excellent jeweler near you to show you this lovely silver in complete lines. Write us for his name, and if you will tell us which pattern, or patterns, interest you most, we will gladly send you catalogues. Should you desire the help of our Service Department in selecting your pattern, as many do,—tell us what is the decorative theme of your dining room, style of furniture, etc., and we will advise what "Treasure" patterns would be in correct keeping.

\textit{Please address your request to Dept. D.}

\textbf{Rogers, Lunt & Bowlen Co.}

\textbf{Silversmiths}

\textbf{Creators of Distinctive Tableware}

\textbf{Greenfield - Mass.}

Member of the Sterling Silversmiths Guild of America
**MAKING PAPER SCREENS**

(Continued from page 99)

It is necessary to size the surface with a good glue size. This can be obtained at any paint store. The next step is to lay the wall paper on the screen in order to test it for the placing of the design. In gauging the pattern to the size of the frame be sure to allow enough paper to fold over the edges. When the design is properly placed, paste one strip with any good wall paper paste. Do not trim the paper, as it should be folded over the edge of the frame after pasting. In pasting use a paper hanger's brush and lightly brush the paper from the center to the sides to take out blisters. If desired, a wall paper border can be run along the edges as a finish. The side and top edges are covered by pasting a strip of heavy muslin, canvas or sanitary wall covering.

After the paper has dried and set, it is ready to be sized. The size is best lightly brushed onto the paper in long easy strokes. There are prepared sizes ready for immediate use or you can make a size by boiling one pound of ordinary gelatine and boiling it in two quarts of water. This can be applied after the gelatine has thoroughly cooled. If you do not desire an antique finish, a lacquer can be applied directly over the size. Two coats are advisable. Most wall paper concerns are able, although this is not essential, to key the period of the design in the wall paper to the era of the room's furniture. Fortunately this is a simple matter as there are now patterns in wall paper to fill every decorative need—new motifs of modern inspiration that make delightful screens as well as reproductions of 18th Century French, English and American designs. Illustrated are two pages more than bedrooms.

E. I. du Pont de Nemours & Co., Inc.

**DUPONT TOYLAND**

THE WASHABLE WINDOW SHADE

Follow these details carefully

Take shade to store for cleanest and measure exact width up to top including metal pins at each end of roller. (See diagram.) Measure also length of shade unrolled, specify which pattern wanted: Mikado, Americaine, Trinidad, Toruad. Full or corner tabs. Enclose 60c. per pair.

- Measures from top to tip, including metal pins with some shade brackets.

This coupon not good for a shade over 15 inches wide. This coupon not good after June 1st, 1926.

**Now...in Figured Designs**

Tontine washable window shades take on added smartness

Following the definite style trend toward more colorful home decoration, the du Pont Company has recently developed and now offers to homemakers these lovely new figured window shades in Tontine. Now, for the first time, you may purchase washable Tontine figured window shades which will complete any desired decorative scheme.

These Tontine shades are figured on one side only, the other side being plain. This allows you to complete a colorful decorative scheme inside, without affecting the uniform appearance of the outside.

An occasional washing allows the home equipped with Tontine to enjoy clean shades always. For Tontine window shades wash clean. A scrubbing with soap and water immediately restores their original beauty.

Tontine window shades do not fade, crack, pinhole or fray. Pyroxylon, the same basic substance used in making the famous du Pont Duco, gives them resistance to sun, rain and rough handling. You can get Tontine window shades in a wide range of lovely colors, in new figured designs, in widths up to 34 inches, or plain, or in the corded effect so extremely popular. For best results—also ask for Tontine Rollers.

A Sample Tontine Figured Shade for $2.50

To convince you of the beauty of these new figured Tontine washable window shades we will make you a special offer of one Tontine shade in any of the above illustrated designs at $2.50—any width up to 40 inches. This offer is special and for a limited time only (closes June 1st) to acquaint you with the merits of Tontine shades. We are offering this sample shade at considerably below the regular retail price. We therefore can send only one shade to each home.

Take measurements according to the instructions below. Enclose $2.50 (cash or check) and mail the coupon to us today.
The Lady Diana
makes her confident young bow

Slender and lovely and utterly feminine, The Lady Diana, newest of Towle patterns, brings to precious Sterling Silver the youthful spirit of your own Today.

Not the reckless sort of Today which borrows from uncharted tomorrows ... not the cautious sort of Today that clings to outgrown yesterdays. Your Today—and The Lady Diana's—is the swift-running "ever-present" of eternal youth, in which life courses, like a joyous torrent, between banks of romance and adventure.

The symphony of approval with which brides of 1929 are greeting The Lady Diana has been anticipated by America's leading jewelers. At the merest whisper of this new magic name, any one of them will quickly lay out a full Lady Diana service for one cover, so that you may see its beauty from the smallest coffee spoon to the most impressive dinner knife. Then you may let it speak to you, as true beauty always speaks—to your eager desire to possess its fresh and fluent loveliness for your very own.

May we send you further information and prices?

JOWLE
Sterling Silver Exclusively
Bad weather is SORE THROAT weather

Gargle when you get home

As soon as nasty weather sets in thousands are down with sore throat, colds, grippe, flu, or worse.

Don’t be one of them. Gargle with Listerine full strength every day—especially after exposure to rain, severe cold and coughing crowds in public places—buses, street cars and movies.

This simple act may spare you a costly and possibly a dangerous siege of illness.

Because Listerine, full strength, is powerful against germs—and sore throat, like a cold, is caused by germs.

Repeated tests show that Listerine kills even stubborn B. Typhosus (typhoid) and M. Aureus (pus) germs—200,000,000 of them in 15 seconds.

Realizing Listerine’s power you can understand its effectiveness against the milder winter complaints caused by germs. Each year increasing millions rely on it.

Keep a bottle handy and at the first sign of trouble, gargle repeatedly. Don’t hesitate to use it full strength. It is entirely safe in any body cavity.

If throat condition does not rapidly yield to this treatment, consult your physician. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

Two ways of whipping a cold

Colds usually start in the nose and throat as a result of germs already present there or carried there by food touched by hands.

As a precaution against colds and sore throat, the use of Listerine full strength as a hand rinse before meals and as a mouth rinse and gargle every morning and every night, is most effective.

When a cold or sore throat has already started, more frequent use of full strength Listerine is advisable. Its ability to get results lies in the fact that it is so powerful against germs. Don’t hesitate to use it full strength. It’s both healing and soothing to the tenderest tissues.

LISTERINE
THE SAFE ANTISEPTIC
The quality ideals, the original research, which created the first Packard still govern the building of Packard cars today.

The first Packard was built in the 90's by a successful engineer of leisure and means. He wanted to own a better car than he could buy.

Even this first Packard had many original features, soon adopted by other manufacturers. And today Packard is acknowledged as the source of many outstanding motor car improvements, developed or sponsored by Packard engineers through the years and eagerly accepted and applied by the industry at large. Supreme excellence in materials and craftsmanship, the highest ideals of business conduct and responsibility, have ever been and always will be Packard's sincere aim.

Thirty years of single intent, thirty years of pioneering research, have been rewarded by the establishment of the world-wide reputation for high quality and engineering leadership which Packard enjoys today.

ASK THE MAN WHO OWNS ONE

$375 (less Radiotron)

RADIOLA 62
SUPER-HETERODYNE

Radiola Super-Heterodynes are built to meet the demand for expertly designed radio receiving instruments reproducing broadcast programs with the highest possible degree of realism. These RCA receivers of the "60" series are the finest Radiolas ever offered. They are the product of three great associated companies—RCA, General Electric and Westinghouse.

Buy with confidence where you see this sign

RADIO CORPORATION OF AMERICA
New York Chicago Atlanta Dallas San Francisco

RCA Radiola 60—Table model of the new RCA Super-Heterodyne. Finest instrument of its kind ever built. Simplified house-current operation.

$147 (less Radiotron)

RCA Electro-Dynamic Speaker 106—The incomparable reproducing instrument of the type used in the new cabinet Radiolas. Operates from A.C. house current.

$83
When William of Orange came to England in 1689, he brought a new influence of comfort and grace to the stiff-backed furniture of Cromwell and the Stuarts. Dutch cabinet-makers fashioned in walnut those lovely forms with cabriole legs and flowing contours—forming a style which flourished so vigorously through the reign of Queen Anne that it now bears her name. Its influence in America was so great that to the English mind it is synonymous with “Colonial”.

The Hogarth bedroom group by Danersk is in the spirit of this period, and is named for the great artist-critic of the day.

Comfort, grace and beauty are in its proportion and character; rich burled walnut panels... herringbone and ebony borders around drawer fronts... a quiet dignity and restraint with a subtle flavor of the French influence—one of the essential traditions of Queen Anne furniture.

You are most welcome to visit our showrooms and see this interesting new Danersk group—with a lovely collection of individual pieces and related groups for every room in the home.

Danersk Furniture
Erskine-Danforth Corporation, Wholesale and Retail
383 Madison Avenue, New York
Chicago Showrooms: 620 North Michigan Avenue
Los Angeles Distributor: 2869 W. 7th Street
Factories in New England
Shades by de Sherbinin

You see illustrated but one of many shades which bear the Hall-mark reproduced below.

The only recognized symbol of lamp shade perfection in parchment, it is to be found upon the frame of every genuine Shade by de Sherbinin.

Styled for all types of interiors, Shades by de Sherbinin are conservatively smart to a degree which enables them to be used with every type of lamp base with the assurance that they will create complete lighting units of charm and distinction.

They are sponsored by decorators and leading shops everywhere.
PINE TREE—delightfully original new pattern in sterling—entails a whole new code of etiquette.

For though one wouldn't—for worlds—he caught peeping at the back of any other pattern, one may—one should look at the reverse side of Pine Tree.

It delights one's hostess. Therein lies part of her joy in her silver. For not only does the pine tree symbol on the reverse side of this pattern say "sterling"—unmistakably—but it permits the hostess to tell such a quaint old story.

"Long, long ago, when America was but a group of colonies, her first silver coin was to be minted. The Mintmaster sought a distinguishing mark for the new money.

"And thinking, sketching, he drew a pine tree—primitive and sturdy. That pine tree image came to be known throughout the colonies as the symbol of sterling on the Pine Tree shilling.

"Today, on this very modern silver, the pine tree image means just what it did, so long ago."

Confess... If you possessed Pine Tree, wouldn't you, too, be eager to have guests look at the back of your silver?

* * *

6 teaspoons in this smart new solid silver are but $11— or a 26-piece "beginner's" set but $73.35. Matching hollow-ware is particularly distinctive.

* * *

What pieces will you need first? The progression from a beginner's set all the way to an elaborate service is discussed in the most helpful of silver booklets—"Correct Table Silver—Its Choice and Use." It shows various International patterns, with pieces and prices on each.

With it will come the Pine Tree booklet, giving Pine Tree's charming history. Send 30c—a fraction of their actual cost—for both.

H. & G. 3-29

INTERNATIONAL SILVER Co., Meriden, Conn.

Enclosed is 30c, for which please send me "Correct Table Silver" and Pine Tree booklet.

Name__________________________

Street________________________

City__ State____________________
VERSATILE LIBRARY STEPS
(Continued from page 111)

constructed, and unusually comfortable to sit in. The illustrations show it both as a chair and as a flight of library steps. This Regency type of chair was only one of many varieties that were made so that they could be turned into steps, when occasion demanded, and then turned back on their hinges to become chairs again. Tables with a library steps combination seem to have been a later development than the stools and chairs that could be transformed into ladders by a turn, a push or a pull, but by the end of the century their position was fully established. In fact, they were bound to achieve popularity, for had not the King ordered one?

Of one of the step-tables in The Cabinetmaker and Upholsterer's Drawing Book, Sheraton writes:

"This design was taken from steps that have been made by Mr. Campbell, Upholsterer to the Prince of Wales. They were first made for the King and highly approved of by him, as every way answering the intended purpose. . . . The steps may be put up in half a minute, and the whole may be taken down and enclosed within the table frame in about the same time. The table, when enclosed, serves as a library table, and has a rising flap, supported by a horse, to write on. The size of the table is three feet ten inches long, thirty-three inches high, and two feet one inch in width. When the steps are out, they rise thirty-three inches perpendicular from the top of the table frame, and the whole height of the last step is five feet five perpendicular from the ground. The perpendicular height of the hand-rail is three feet one inch above the last step, and observe, that on, which is iron, is fixed a small flap on which a book may rest, so that a gentleman, when he is looking at any book in his library, may note down a passage from it without the trouble of going down again."

Truly this was a marvelously handy, as well as handsome, piece of furniture that even those single ladies, who slumbered in elliptic beds, might be pleased to make use of.

The architects and furniture-makers of those days were wise in their generation. They designed bookcases and built-in bookshelves whose upper tiers were too high to be reached by persons standing on the floor, and thereby they took away the temptation to make junk repositories of the tops; at the same time, they were contriving comely furniture accessories for the library whose ingenuity and style have never been excelled.

A COLORFUL KITCHEN
(Continued from page 132)

have a certain relation to the crude shapes of pots and pans. And always must the requirements for cleanliness be a primary consideration. The kitchen must sacrifice to charm nothing of its efficiency even if it sheds something of its strictly hygienic surface appearance. The sophisticated Sheraton influence on elemental culinary surroundings would be as much out of place as would a Chaste-Sourié motif introduced into a formal drawing room. The intimate pleasure in homely tasks, the inviting hospitality of alluring smells, the feeling of cookery as more of a joy and less of drudgery; these are the themes we try to translate, in terms of the spectrum, into our kitchens today.
IN REED & BARTON STERLING

OXFORD

The Oxford Design in Sterling Silver, by Reed & Barton, has proved to be a pattern of universal appeal.

A prominent society woman says of it:

"We are surfeited with the severely plain patterns. The Oxford Design is a happy medium between extreme simplicity and lavish ornamentation. It is pleasing and in good taste—a design that I am glad to have for my table."

A decorator, who brings beauty into the finest homes, says of the Oxford Design: "It is an ideal pattern for the tables of today."

Jewelers, who supply Reed & Barton Sterling to discriminating purchasers, tell us that the Oxford Design meets a demand of public taste that no other present pattern meets.

This design was inspired by the superb windows of Christ Church Cathedral at Oxford. It has the substantial weight, character, exquisite workmanship and enduring value typical of all Reed & Barton Sterling Silver.

Ask to see the Oxford Design, at your jeweler's.

REED & BARTON

TAUNTON, MASS. NEW YORK, N.Y.

REED & BARTON

TAUNTON, MASSACHUSETTS

STERLING ESTABLISHED OVER 100 YEARS SILVER PLATE
"Appeal effectively to the higher aesthetic tastes!"—BECKWITH

LONG AGO people of unerring taste discovered that articles of adornment have an immense value in expressing personality in the home.

How true this is of the intriguing Futura designs in Roseville Pottery! In the few examples given here you can catch the modernistic beauty of Futura... the dashing lines... the fearless spirit that Roseville craftsmen have so artfully given them.

In this fascinating pottery, there is an exhilarating variety to select from. There are bowls, vases, candlesticks, wall-pockets, jardinières, hanging baskets... scarcely any two alike... delightfully tinted in harmonies of blues, grays, tans, reds and greens.

Certainly Futura lends distinction... creates a decorative touch superb and uncommon. And so you will want to see these shapes. They will be shown to you at leading stores, where you can make a choice for yourself, or as unusual gifts.

The abundantly illustrated booklet, "Pottery" is yours for the asking. Write for a copy. You will find it interesting.

THE ROSEVILLE POTTERY CO., Zanesville, Ohio

ROSEVILLE POTTERY

The work of the potter can never be a hum-drum affair; there is always something of adventure in the researches of masters of the craft. The early Italian maiolica workers of Gubbio and of Deruta who sought or stumbled upon a way to produce their remarkably beautiful ruby lustres; Bernard Palissy, tense and despairing after many failures, at last opening his kilns to find them giving France the first enamelled fineness of distinction in French ceramic history; Johann Böttger, practicing alchemy, attracting the attention of Augustus II, Elector of Saxony (who hoped to wrest from him the secret of making gold, if ever Böttger should come upon it), happily discovering a way to produce porcelain of the Chinese sort, thus satisfying Augustus, and probably saving his own head—these are but a few of the instances in ceramic progress which show that the potter's art has not been attended in its development by monotony.

This romantic element has, I think, done much to make the collecting and the study of pottery and porcelain particularly appealing, aside from the fact that old china has always a decorative value, and then there is that about-to-be-usedness of its appearance which invests it, I fancy, with the same sort of intimacy we find in our association with old furniture. But there is one sort of porcelain which has been somewhat neglected by American collectors and that is the sort known as pâte-sur-pâte. Pâte-sur-pâte porcelain deserves more attention than it appears at any time to have received. It is not a completely modern sort of decoration, for certain varieties of it were known to the Chinese and Japanese ceramists some centuries back. In all probability its evolution was attended with failures as disheartening as Palissy's, its final perfection the result of a patience equal to his own combined with the application of the scientific discoveries in the ceramic art which came about in the Nineteenth Century.

Certainly the evolution of pâte-sur-pâte porcelain holds a romantic history of its own, although wrapped in obscurity in the early periods of its fabrication. As this form of decorated porcelain is by no means a common one, perhaps the story of its genre will quicken an interest in it and enable the lover of old china to recognize it, since, beautiful though the finer pieces may be, it does not immediately disclose its interest or give complete hint of the ingenuity, art and skill which brings it into being. It is not, indeed, a fabric that makes the appeal to us which a beautiful piece of Wedgwood does. Frankly, (Continued on page 162)
This Hand Wrought Design

Adapted from an old Crewel Embroidered Curtain of the late Seventeenth Century

Into this splendid hand-made crewel has been wrought all the rich beauty, the royal dignity of the fine old crewel by which it was inspired—a XVII Century curtain hanging in the South Kensington museum in London.

A dramatic design worked in brilliant twisted wool yarn on an interesting heavy wool tapestry of curiously crinkled weave, it is a splendid representation of that crewel embroidery which graced the finest of XVII Century English interiors.

For hangings or furniture in the formal room it is a fabric of unusual distinction.

This embroidery on a fawn background may be delivered immediately. By special order it may be had on six shades of wool tapestry, or any other Schumacher fabric.

Many other authentic copies and beautiful adaptations of rare fabrics from museums or private collections are to be found at F. Schumacher & Co., side by side with original designs by the best of modern artists.

Linens, damasks, brocades, velvets, tapestries—fabrics for every decorative purpose, distinctive in design, superb in quality.

"Fabrics—the Key to Successful Decoration"

This helpful booklet will be sent to you, without charge, upon request. It is planned to help the woman who wishes her home to be successfully decorated, but has not the time or the inclination to make a deep study of Interior Decoration.

THE CHARM OF A HOME IS EXPRESSED IN ITS WINDOWS

Sunshine and dappling shadows. A glowing garden border, and then the house, standing cool and clear-eyed on its velvet carpet. Its many casement windows—trim, modishly slender, architecturally perfect—set open like little sails, capture the vagrant breeze and lead it indoors to wander through quiet rooms.

It is winter. A crisp moon rides high in the heavens. From the black bulk of walls, the casements gleam with merry firelight and softly shaded lamps. In vain the sleepy wind hursts itself against their snug security.

Lupton Residence Steel Casements represent the highest development of the home window. They embody the most modern appointments. Cross-pieces, dividing the panes, are slender and graceful, and in perfect harmony with modern decoration. A double contact of sash and frame shuts out wind and rain and saves weather stripping. When opened, Lupton Casements can be cleaned, from within, on both sides. They permit any choice of screens and draperies.

We have prepared an interesting booklet, "How Windows Can Make Better Homes," which shows the application of steel casements to the modern house, at a cost in line with the average building budget. A copy will be sent to you free on request.

DAVID LUPTON'S SONS CO., 2253 E. Allegheny Avenue, Philadelphia.
In the press of fine cars at diplomatic and state functions in the nation's capital, motor cars by Studebaker are rightfully high in favor. These great new Studebaker eights and sixes hold every official stock car record for speed and endurance. And the qualities that make such performance possible are splendidly interpreted in body designs of striking beauty. There is fleetness and eagerness and untiring endurance in each low-swung line and fluent curve. There is vigor and spirit and keen-tuned harmony in each delightfully new color scheme.

There is a revelation awaiting you in your first scrutiny of what Studebaker's unique One-Profit manufacture has wrought. The car illustrated is the President Straight Eight Brougham for five.
The latest Mohawk shades are at your dealer's—colors restrained or riotous, as your taste prefers, but all in perfect balance, like the lovely patterns they animate. You'll find among the many weaves the very rug your room requires—for beauty, cheer and lasting comfort... Pay what you will, your rug can always be "a Mohawk."

There is a charming legend which relates how, when Time was young, Aeolus, god of winds, blew upon the rainbow and colored all the world. Just so the skilful colorists of Mohawk take the wools destined for Mohawk looms and with their brilliant dyes work their tonal wonders, preparing a breath of living color for your home.

Vertical bars denote the pleasing proportion of color in the rug illustrated.

You will enjoy reading the new illustrated Mohawk Course in Home Decoration, by Agnes HcislerBar. Ten cents in stamps will bring you at once. Address: MOHAWK CARPET MILLS, Amsterdam, N.Y.

MOHAWK RUGS & CARPETS

THE PATTERN SHOWN IS KARONA SEAMLESS WORSTED WILTON—NO. 315C
Every rug worth laying is worth the added comfort and economy of an Ozite Rug Cushion! Ozite will double the life of the rug... and more than double your enjoyment of it. This remarkable cushion is so soft, so yielding, so springy that it makes every rug feel rich and deep-piled as an oriental. Ozite gives old rugs renewed life... makes inexpensive rugs seem worth twice their cost... and is used by connoisseurs to protect their finest rugs from wear. Indeed, Ozite enhances the comfort of your entire home, making it quieter, richer, more restful. Its cost (so soon repaid!) is so low that you can use Ozite under every rug and carpet in your home.

What is Ozite?... A soft cushion of sterilized, "ozonized" animal hair, like a thin hair mattress. It is sold and recommended by furniture, rug and department stores... and interior decorators...in every locality. Over 20,000,000 square yards of Ozite are in use today... millions of yards are sold each year! Ozite is made by patented processes... permanently mothproofed... lastingly resilient. It will never wear out. Requires no fastening... just roll your rug above it. Be sure you get the original Ozite. It is unconditionally guaranteed to satisfy!

CLINTON CARPET COMPANY, 130 N. Wells St., Chicago

New York (American Textile and Felts Co., Inc.); Los Angeles
Factories: Newark, N. J.; Milwaukee, Wis.; Los Angeles, Calif.; St. John, Quebec, Canada; Nuremberg, Germany

EVERY RUG NEEDS AND DESERVES AN OZITE CUSHION
**Luxurious Transportation—Sport and Recreation**

**PRESS** the starter button on your Chris-Craft and a wondrous panorama of outdoor pleasure will unfold.

With a Chris-Craft the business man can get his needed outdoor recreation while he has capacity to enjoy it—can give his family the clean outdoor thrills and pleasures that build both health and character.

Regattas—camping, fishing and picnic excursions—swimming and aquaplaning parties—social events—business trips—all assume new meaning with a Chris-Craft at your hand. Every leisure hour becomes a golden opportunity for recreation and sport.

East, west, north and south—in every boating community in the United States and in foreign countries—there is now being exhibited the most outstanding fleet of Chris-Craft motor boats ever created.

Thousands of families, many of whom have never owned a boat before, are planning now for a Chris-Craft year—a year of freedom—of joy—of health—or clean, wholesome sport for the young folks.

See your Chris-Craft merchant today. Let him show the actual boats—he will help you select the model best suited to your needs. There are eighteen of them—runabouts, sedans, commuters, cruisers—including one that will suit your purpose and purse.

Deferred payments if desired. Chris-Craft representatives in principal centers throughout the world. Ask for our complete new descriptive catalog.

**CHRIS SMITH & SONS BOAT COMPANY**

183 Detroit Road, Algonac, Michigan

New York Factory Branch:

155 West 31st Street, at 7th Avenue

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**PÂTE-SUR-PÂTE POTTERY**

(Continued from page 158)

Nearly all pieces of even the finest pâte-sur-pâte porcelain, those of the 19th Century, usually leave us a bit cold at first. Then we come to develop a greater appreciation of its worth through understanding just what it is.

Pâte-sur-pâte is a sort of ceramic production whose name is derived from its peculiar method of decoration—"pâte (pâte) on pâte." The decoration has somewhat the effect of Wedgwood's cameo jasper ware, but it is highly glazed, infinitely more delicate and exhibits more subtlety in the modeling of the decoration. Upon grounds of one of two shades each of grey or green, or on a ground either of dark or of medium light brown, the design is carefully applied, a white paste being employed, thinly laid on in successive layers which process builds up the modeling of the design. This thin paste is applied with a brush, and numerous coatings are required to bring those parts that are in higher relief to the desired thickness. The design is carefully applied, a white paste of the decoration as it thus stands is somewhat thicker portions remaining white, the thinner portions, (draperies and the like), permitting the grey, green or brown ground to be seen somewhat faintly through the translucent or transparent glazing. This gives peculiar delicacy to the relief, a beauty quite its own and one not to be arrived at or imitated in any other manner.

The pieces here illustrated by courtesy of the Pennsylvania Museum, the Philadelphia Museum, the Boston Museum of Fine Arts, and the Museum of Modern Art, New York. The pieces are 19th Century, usually leave us a bit cold at first, then we come to develop a greater appreciation of its worth through understanding just what it is. The firing brings the piece to a proper hardness to permit its being dipped in the glaze, after which it is withdrawn and given a final firing. This final firing is, of course, the crux of the operation. More often than not the firing is unsuccessful, and all the work that the artist-craftsman has lavished upon it with such care unhappily comes to naught. In the first firings, so anxiously attended in consequence of this uncertainty, the white paste of the decoration requires that precise degree of heat which will fuse the paste to just such an extent as will insure only its thicker portions remaining white, the thinner portions, (draperies and the like), permitting the grey, green or brown ground to be seen somewhat faintly through the translucent or transparent glazing. This gives peculiar delicacy to the relief, a beauty quite its own and one not to be arrived at or imitated in any other manner. One would not, for a moment, confuse it with the sharp and clearly defined decoration so characteristic of a Wedgwood piece.

The pieces here illustrated by courtesy of the Pennsylvania Museum, the (Continued on page 164)
Winter—Is Ruthless to Your Beauty

Bitter winds that rob the skin of its precious oils and mercilessly etch in crow's-feet, wrinkles . . . biting cold that casts the face in a mold of weariness, dullness, age . . .

"Science alone can keep your youth, your beauty safe from the ravages of winter!" warns HELENA RUBINSTEIN. And you who are beauty-wise will heed the warning, for it comes to you from a master chemist and dermatologist—from one who has awakened the beauty consciousness of millions of women all over the world.

For you has Helena Rubinstein created her amazing beauty-builders and protectors of beauty . . . unique washes and cleansing creams that work down beneath the skin's surface, swiftly rendering every pore immaculate . . . unguents that restore to ageing, weathered skin its youth essences . . . animating lotions that are veritable elixirs of beauty!

Build your beauty from day to day . . . make it immune to Climate, to Time itself, with these marvelous creations whose work begins where nature's ceases!

**For Cleansing Use**
Water Lily Cleansing Cream, which contains youth-renewing essences of water lily buds. It leaves the skin immaculate and youthified. 2.50, 4.00

**Revivify Skin and Eyes**
Apply Valaze Extrait, a gently instantly effective rejuvenating lotion. Lifts the tired look from face and eyes . . . a benefaction to all skins. 2.50, 5.00

**Clear, Animate, Bleach**
With Valaze Beautifying Skinfood, Helena Rubinstein's skin-clearing masterpiece. A purifier and refiner which gives the skin an exquisite transparency. Should be part of the daily regimen all year round. 1.00, 2.50, 4.00

**To Correct "Shiny Nose"**
Valaze Liquidine—removes oiliness and "shine" instantly, imparting a most flattering finish. Indispensable to exquisite grooming. 1.50

**Crow's-Feet, Lines, Wrinkles**
Nourish the skin daily with the rich rebuilding Valaze Grecian Anti-wrinkle Cream (Anthosoros), a remarkable corrective and preventive of dryness, lines, wrinkles, hollows. 1.75, 3.50, 6.00

**New! Youth for Tired Eyes!**
Valaze Youthifying Eye Cream—a most remarkable creation designed to keep the eyelids firm, waxen-smooth. Restores youth to lined, shrunken eyes. 1.25, 4.00

**Drooping Chin—Baggy Eyes**
—require the permanently bracing tightening Valaze Georgine Lactee. A truly wonderful preparation vital to flabby, sagging contours. 3.00, 6.00

**To Correct "Shiny Nose"**
Water Lily Foundation—makes powder and rouge doubly adherent, doubly flattering. 2.00

**Visit The Helena Rubinstein Salons**
for treatments that are the last word in the scientific care of the skin, the contour, hands, eyes and hair. Here too you will receive sound guidance on home-treatment and the art of make-up. And it is more than ever essential that you receive this expert advice now, at this trying season of the year.

**Personality Make-up**
Helena Rubinstein has created for your special type of beauty the most enchanting powders, the most ravishing rouges and lipsticks, the most seductive eye make-up in all the world . . . accent your beauty with these inimitable cosmetics! 1.00 to 5.50.

London

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8 East 57th Street, New York

Paris

Phila/adelphia. 254 South 16th Street
Boston. 254 Boylston Street

670 N. Michigan Avenue. Chicago
931 Broad Street, Newark

Helena Rubinstein Creations are obtainable at better stores or may be ordered direct.
**Alluring indeed**

**is this NEW design**

You can make your solarium one of the smartest, most attractive, and most comfortable rooms in your home by introducing this distinctly new type of furniture.

Built from selected stick reed over a natural rattan frame, with high lights shaded to give variation in coloring—bows wound in French Enamelled Cane in alternating colors—upholstered in fine English linen—truly a suite of exceptional individuality and charm.

For forty-three years Sons-Cunningham have been originators—never imitators; design, style, finish, and quality has ever been the hallmark of their furniture.

You are cordially invited to visit their showrooms, where a representative display, in a wide range of designs and color schemes, is available for your selection. Purchases may be made through your dealer or decorator.

A portfolio of colored prints and other illustrations will be mailed upon receipt of twenty cents.

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**Sons - Cunningham Reed & Rattan Co., Inc.**

**Established 1886**

383 MADISON AVENUE - NEW YORK

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**PÂTE-SUR-PÂTE POTTERY**

(Continued from page 162)

British Museum, and the Metropolitan Museum of Art, and the Seventeenth Century Chinese and Eighteenth Century Japanese pieces (much simpler and elementary in type), here illustrated by courtesy of the Boston Museum of Fine Arts, present some suggestion of this difference between pâte-sur-pâte porcelain and the Wedgwood cameo relief decoration of Wedgwood jasper ware. But even our American museums have few examples of pâte-sur-pâte from European potteries. While there are a number of fine pieces in the collections of the Pennsylvania Museum, Fairmount Park, Philadelphia, I know of but one, at the moment of writing, in the collections of the Metropolitan Museum of Art. Fine pieces of pâte-sur-pâte are certainly rare enough, but at present it would seem, fortunately for the collector, that these linger in the more important antique shops rather than find sanctuary in our museums. And I may here suggest that the collector is not at all likely to come upon pâte-sur-pâte imitations. The exacting process of making this decorated porcelain does not invite attempts at the spurious.

The ancient Chinese experiments in applying slip decoration, and forming and shaping such with a cutting tool, developed into what may be called a pâte-sur-pâte decoration, although it never reached anything like the beauty and delicacy of the later European work, which is generally suggested by the term. The old Ming wares, with their brown or old-gold grounds decorated with color under-glaze relief, found a quite primitive variety of pâte-sur-pâte decoration.

M. Robert, at the head of the decoration department at Sévres, appears to have been one of the first, if not the first to experiment with pâte-sur-pâte in porcelain decoration. He may have been inspired by the study of some Oriental piece. This was in the mid-19th Century. During the early experiments made with pâte-sur-pâte (Continued on page 166)
Potted plants provide the note of human interest in an otherwise nicely furnished room. In using colorful pottery containers to advantage, wrought iron holders of various styles will be found in perfect harmony. These hand forged pieces lend personality to any interior without excessive cost.
at Sévres, M. Regnault, the Director, was attracted by the work of a young artist, Marc Louis Solon, and invited him to Sévres as a decorator. Solon was born at Montauban in 1835. He studied in the Atelier Lecocq. Developing a taste for etching and porcelain decoration, he produced various essays under the brush-name of Miles, selecting his own initials and joining them by a line of builders' hardware fashioned from brass and modern home at moderate cost, Yale offers a line in ceramics for many years no longer used for use throughout the home. Builders Hardware fashioned from brass and modern home at moderate cost, Yale offers a line in ceramics for many years no longer used for use throughout the home.

YALE BUILDERS' HARDWARE FOR MODERN HOMES

Having for many years recognized the necessity for producing hardware suitable for equipping the modern home at moderate cost, Yale offers a line of builders' hardware fashioned from brass and bronze, recommended for use throughout the home because of durability and distinctive appearance.

In this reasonably priced Yale line of good quality and consummate artistry is found hardware in a variety of designs. Those illustrated are characteristic. Send for booklet showing Yale Builders' Hardware designs for the modern home.

Yale Locks and Hardware are sold by hardware dealers.

The Yale & Towne Mfg. Co., Stamford, Conn., U.S.A.
Custom-Type Phaeton

Smart! Exclusive! Distinctive! Convertible!
Auburn first introduced this custom-type of car as a production model and made it available for the first time under $5000.00. Former owners of the very highest priced cars, including costly European importations, quickly recognized its vogue and outstanding value. Rich men value their dollars, therefore we were behind the demand for the 115 Phaeton Sedan all last year. This new series Model 120 is the successor of the 115. It is an even finer creation, even more efficient and enduring, even more luxurious, and has increased horse-

power. Although you get considerably more value, you pay considerably less. (By continually increasing quality and decreasing cost, is the way Auburn has become the fastest growing company in America). Again the demand for the rare combination of its power, stamina, comfort and convertible advantages will exceed the supply. The top can easily be lowered and fits snugly in a boot. All four door glasses may be raised or lowered at will. It is an entirely open touring car, or a completely closed car, as you wish. Long, and very low; 130 inch wheelbase and 125 horsepower Straight Eight motor. We sincerely urge you to place your order early. Thousands had to have their deposits returned last year.

AUBURN

POWERED BY LYCOMING

Smart! Exclusive! Distinctive! Convertible!
Auburn first introduced this custom-type of car as a production model and made it available for the first time under $5000.00. Former owners of the very highest priced cars, including costly European importations, quickly recognized its vogue and outstanding value. Rich men value their dollars, therefore we were behind the demand for the 115 Phaeton Sedan all last year. This new series Model 120 is the successor of the 115. It is an even finer creation, even more efficient and enduring, even more luxurious, and has increased horse-

power. Although you get considerably more value, you pay considerably less. (By continually increasing quality and decreasing cost, is the way Auburn has become the fastest growing company in America). Again the demand for the rare combination of its power, stamina, comfort and convertible advantages will exceed the supply. The top can easily be lowered and fits snugly in a boot. All four door glasses may be raised or lowered at will. It is an entirely open touring car, or a completely closed car, as you wish. Long, and very low; 130 inch wheelbase and 125 horsepower Straight Eight motor. We sincerely urge you to place your order early. Thousands had to have their deposits returned last year.
Beautiful Exteriors

Cover your home with Beauty

The Fitite Shakes possess all the charm and long life of the old hand-split shake, plus the added advantage of the snug-tight fit — the Fitite feature.

The vertical grain raised lines of Fitite Shakes are like a pencilled drawing, and the thick overlapping butts produce beautiful deep shadow lines.

Fitite Shakes are made of red cedar, a wonderfully long-lived wood, with from 10% to 47% greater insulating qualities than other standard roof and wall materials.

Fitites are economical, too, with but little upkeep — just an occasional re-staining.

Send for the booklet offered below, and discuss Fitites with your architect or contractor. He can secure them from the leading stained shingle companies — from lumber dealers.

Imagine a residence water system for cistern and other uses, which pumps 225 gallons per hour... which has a 5-gallon pressure tank... which embodies many outstanding features of the higher priced pumps... which is so ruggedly built of such high-grade materials that it's good for practically a lifetime... which, and this is the big item, costs only $75 f.o.b. Dayton!

There is such a water system. But only one... the new Delco-Light Waterboy... the lusty younger in a line of stanch old timers.

Compare the Delco-Light Waterboy with other systems at two and three times its price. Mark these exclusive features: double-action pump, the smoothest and most efficient type... automatic switch, tested by millions of make-and-break contacts... V-belt drive, quiet, non-slipping, self-aligning... channel steel base, designed to retain perfect motor alignment... economical operation, either on central station or Delco-Light current. Truly an amazing value... and a real Delco-Light value!

Should you need a larger system, we build deep and shallow well models for city, suburban or country use... in capacities up to 800 gallons per hour. Each model is guaranteed and backed by General Motors. Investigate the line. Look up your local dealer under Delco-Light in the phone book. Have him give you the low prices and explain the G.M.A.C. easy payment plan. And today... write us for free books on the new Delco-Light and other models.
Women in colorful evening gowns... men in black and white... Russell's Pyro-Pearl handles against tinted tablecloths... exquisitely colored chinaware flanked by Russell's Pyro-Pearl Cutlery standing at attention... beautiful... useful... as correct as well tailored evening dress itself.

Breakfast, lunch and dinner... gleaming blades and tines of stainless steel... sharp knives... very sharp... medium and smaller knives... spoons... salad forks... all Pyro-Pearl... all black and white.

Made only by Russell... only the Russell trademark identifies them. Colored handles, too... if you prefer... in green... in blue... in red... in ivory white... note the color chart... with its exact showing of the Russell colors.

Russell... cutlery makers for almost a century... leaders in quality... and in styling too. Russell Cutlery is priced only slightly higher.

Write for a charming Russell booklet with its latest hints on correct table settings. We will gladly forward it without cost.

RUSSELL GREEN RIVER CUTLERY
MANUFACTURED BY JOHN RUSSELL CUTLERY COMPANY... TURNERS FALLS, MASS.
These Bath Room Sets Complete the Harmony!

Lovely colors that will never lose their fresh beauty*. . . a soft, thick nap that becomes fluffier each time laundered!

Ret-Rac Bath Room Sets are staunchly durable and include Bath Mat, Bath Rug, Seat and Stool Covers. They come in the most fascinating plain shades of blue, rose, lavender, green and gold, with or without borders in white or harmonizing colors. Tones that blend so delightfully with modern colored bath room tiling. And make an all-white bath room smart and colorful!

Ret-Rac Bath Room Sets may be obtained in several qualities at proportionate prices. All qualities are made in the above colors, and all are fully guaranteed against shrinking or fading.

Individual Rugs for Other Rooms

To add charm to the bedroom, sun porch or breakfast nook there are separate Ret-Rac rugs. These rugs have smart floral patterns or modernistic designs made in beautiful color combinations. They may be obtained in oblong or oval sizes in any length, and up to 9 feet in width. All the leading stores have them. If you have any difficulty securing them, write us.

As with the Bath Room Set, Individual Ret-Rac Rugs may also be obtained in the various qualities and in special sizes.

*Guarantee:—These Sets and Rugs will not shrink, and the colors are guaranteed absolutely fast to boiling and the strongest sunlight.

CARTER BROTHERS ~ CHATTANOOGA, TENN.
Window Screens Modernized!

Rolscreens

—never taken down for storage
—roll up and down
—all metal construction
—built in with the windows

Rolscreens offer the home owner something more than clumsy protection from insects. These modern, all metal screens are in good taste harmonizing with architecturally beautiful windows. They are scarcely visible having no awkward frames and the special electroplated “AluminA” wire offers a clearer vision often passing unnoticed. There are many worthwhile features of these modern window screens that are never taken down for storage. They are built in with the windows to be forgotten as they continue to serve.

No doubt you, too, will want them in your home. Rolscreens are adaptable to any type of window.

Write for illustrated booklet for more about Rolscreens.

Write for illustrated booklet for more about Rolscreens.

A section through guide showing lug in selvedge of screen wire which prevents screen from sagging. A "non-sagging" feature found only in Rolscreens.

Rolscreen Company, 232 Main Street, Pella, Iowa

March, 1929

"This is Our
Battle Creek
Health Room"

"We consider it the most important room in the house—just as important as our bathroom. It has done wonders for the family's health!"

Health should come first. The success and happiness of your family depend on vigorous health. Worth knowing, then, that you can safeguard this most precious asset for no more than you would pay for a deluxe radio set.

What Price—Health?
You can now equip a Battle Creek “Health Room” in your home for as low as $350.00. This room would include the world-famous Battle Creek Health Builder, the scientific appliance that combines massage and exercise, two tested health aids. For your wife, your children and yourself—the Battle Creek Health Builder provides just the exercise needed every day to keep you in splendid physical condition.

"Man-Made" Sunlight
Your “Health Room” would also include the Battle Creek SunArc Bath, a light bath that provides pure “man-made” sunlight “at the snap of a switch.” Sunlight is nature's greatest health aid. With the Battle Creek SunArc Bath, it is always available. For children, particularly, it will prove a wonderful means of promoting health, growth, and strong, vigorous bodies.

A Luxurious “Health Bath”
The third appliance which can be added to your “Health Room” is the Battle Creek Electric Light Bath Cabinet. This luxurious equipment gives you a therapeutic light bath that is far superior to a Turkish or Russian bath. It is a tested means of reducing weight, relieving pain and combating many common maladies.

Write for Booklet
Let us send you booklets showing how easily you can equip your “Health Room” the Battle Creek way. Typical floor plans will be gladly supplied without cost. Battle Creek “Health Rooms” are designed to fit every home—every pocketbook. A moderate initial payment places a “Health Room” in your home. Write today for complete information.

Sanitarium Equipment Co.

Battle Creek, Mich.
TREASURED FLAVORS
FOR TREASURED COOKS

OF course your cook is a jewel and your own dinners are so much better than the Browns. But even cooks who are jewels have their limitations. Here is an aid for your cook that will please her and you. It contains many favorite recipes of famous chefs simplified for home use. One of the secrets of these recipes is the addition of Guasti Cooking Sherry and other Guasti Cooking Aids. You can now legally obtain Guasti Cooking Sherry at leading grocers. It is the same fine Sherry that has made the name of Guasti famous for years—with just enough salt added to remove it from the beverage class, yet just enough to season foods for the average taste. Guasti Cooking Aids. You can now obtain these assistants for your parts Holloway's, of each individual drink, a few supply among your supplies. As it is an indispensable emergency shelf goods. Keep cold instantly. Heat through and brown for baked ham. Serve Slices from end to end—no bone, no skin, no waste of any kind—all ham.

HOSPITALITY

A cocktail...a fizz...or a cordial...is the keynote of congeniality—and the modern host and hostess are not departing, in this respect, from time-honoured traditions. The engaging, imported bottled goods in the above photograph taste just as fine as they look. Nuyens' Grenadine is a perfect blending of French fruit juices—pomegranate predominant. Holloway's London Dry...a distilled product from Old England...full-flavored famous Holloway minus only the alcohol. Cederlund's Caloric...this famous punch (bizarri flavor) from Scandinavia has been reprocessed without alcohol as a delectable flavor to cocktails and mixed drinks. Three prize-winners...sold separately or in combination.

THE DRY MARTINI

Four parts Holloway's London Dry; stir with ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

ITALIAN VINEYARD CO.

a. the assortment. lens: (Our book of

THE CALORIC COCKTAIL

Four parts Holloway's London Dry; one part Cederlund's Caloric Punch. Stir with cracked ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

THESE blue-ribbon recipes are very popular. A little ingenuity can produce extraordinary restoration. "Cordial Cocktail Confidences" (our book of famous recipes) may be had for the asking. The bottled goods below will help you in your quest for "Congeniality."

THE DEMI-SEC VERS

Five parts Holloway's London Dry; two parts Nuyens' Grenadine. A little sugar dissolved in a small amount of hot water and added. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

THE FLAT

The drink Holloway's London Dry, strained and served over ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

THE CLOVER LEAF COCKTAIL

Five parts Holloway's London Dry; one part Cederlund's Caloric Punch. Stir with cracked ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

THE DRY WINE MARTINI

Three parts Holloway's London Dry; two parts Nuyens' Grenadine. Stir well with cracked ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

THE FIZZ

The drink Holloway's London Dry, strained and served over ice. Supplies listed below—enough to prepare several meals. Please address Dept. 705.

GUEST COOKING AID

• Guasti Sauce a la Borcy • Guasti Sauce a la Nowbar

170

21 Park Avenue

New York City

Please send me (express collect) direct or to me through my grocer

B. B. Dorf & Co.

217 Park Avenue

New York City

the items checked below; enclosed find my check for $...

\[ \square \text{The CALAIS-DOVER PACKET} \]

\[ \text{as above illustrated, consisting of:} \]

\[ \text{Nuyens' Grenadine (25 oz.)} \]

\[ \text{1 Holloway's London Dry} \]

\[ \text{1 Cederlund's Caloric Punch (26 oz.)} \]

\[ \text{Also send} \square \text{The Dorf OASIS ASSORTMENT} \]

\[ \text{...$10.00 a case} \]

\[ \text{containing the seven non-alcoholic beverages listed below.} \]

\[ \text{HOLLOWAY'S} \]

\[ \text{Nuyens' Grenadine} \]

\[ \text{1 bottle of Soda} \]

\[ \text{24 oz.} \]

\[ \text{2 bottle of Soda} \]

\[ \text{2 bottle of Soda} \]

\[ \text{CIDER'S WINE} \]

\[ \text{CREME DE MENTHE} \]

\[ \text{Nuyens' APERITIF} \]

\[ \text{CHERRY'S CALORIC} \]

\[ \text{1 bottle of Soda} \]

\[ \text{2 bottle of Soda} \]

\[ \text{2 bottle of Soda} \]

\[ \text{NUTZ'S FRENCH YERBAHITA} \]

\[ \text{1 bottle of Soda} \]

\[ \text{2 bottle of Soda} \]

\[ \text{2 bottle of Soda} \]

\[ \text{Make up your own combination order if our suggestions do not meet your requirements.} \]

NAME

SHIPPING INSTRUCTIONS

MALTESES—Send cake 10 cents with a mail order purchase that justs on edge in the envelope. Box for children to write on.

Roughage!

Nutrition experts at Battle Creek have proved surprising facts that never before of importance. Bran has been blended with lemon ice and refrigerated with just extract. A delicious all-sweet mixture imparts agreeable flavor as a breakfast cereal but contains no acid, is free from sugar and is an important addition to the diet. These bran squares are a wholesome, refrigerating food as well as a natural regulator. Good for one of the famous Battle Creek insolubilization. Add for some of your Health Food Center. Battle for "Healthful Living." A wide range of health foods—bottled goods below—prepared for the Battle Creek Diet by Dr. J. H. BATTLE CREEK HEALTH FOODS

For Everybody
Begin the day... sunlight, pure water, wholesome food... Drink POLAND WATER morning, noon and night... for health

From far-away Formosa

southermost Isle of the Flowery Kingdom, comes tea famous for rare fragrance and delicate flavor—

FORMOSA OOLONG TEA

Grown on sunny mountain slopes in a semi-tropical Paradise. DAINTIEST OF TEAS
Attractive Kitchens

Well-known homes the country over have kitchens completely equipped with White House Units. The cost is only a trifle more than that of old-fashioned wood installations — and the saving on replacement makes the White House kitchen an exceedingly profitable investment.

White House Units — made entirely of Steel — are fire resisting, moisture proof and germ proof. Three coats of baked enamel make them sanitary and easy to keep spotlessly clean. Any space may be filled simply by combining standard units.

and Pantries

Electric plate warmers, silver and linen drawers, tray and plate racks, cup hooks and Monel Metal pantry sinks are included in White House installations. Furnished in white or color.

WHITE HOUSE
made of Steel!

JANES & KIRTLAND, INC.
Established 1866
101 Park Avenue New York City

PÂTE-SUR-PÂTE POTTERY

(Continued from page 166)

the process presents great difficulties and requires both art and a high degree of technical skill. Indeed, although porcelain manufacturers in various countries have been successful with pâte-sur-pâte, the expense attending its production has always been too great, and must always be so to permit its competing with other fine porcelain pieces which more immediately, perhaps, attract the eye of buyers. Still, the collector will at once recognize the importance of such pieces in the history of ceramics, and to him a piece of pâte-sur-pâte signed, perhaps, by Marc Louis Solon will be a treasure worth striving to obtain.

JEWELS OF THE GARDEN

(Continued from page 86)

on the water. If you are unable to get the manure you may use about a peck of bone meal to each root, mixing it well into the soil. This is not as good as the manure but it will do.

After putting in the soil mixture and filling to a depth just one foot below the water line, you are ready to plant the Lily roots. They are simple to plant — just stick them in the ground and the job is done. After planting the roots you should cover the soil with an inch or two of clean sand to make it look well. Then fill with water, put in a half-dozen goldfish to eat the mosquito larvae, and you will not have any trouble with the water becoming stagnant.

You will find when you look over the catalogs of the Waterlily growers that there are two general classes, the hardy and the tender. None of them, though, will stand having their roots frozen. There are many varieties to select from and you will want to try the different ones from year to year. The hardy ones may be kept over winter in the ordinary cold cellar where they will not freeze; they should be kept slightly moist and about a month before it is time to plant them they may be brought out into the warmer part of the cellar where they will start growth. Each year they should be divided, as the roots are inclined to choke themselves and they will bloom better if the root mass is not too large.

The tender or tropical varieties are not so easily carried over the winter, for they must be kept growing. If you can arrange with a local florist to take care of them for you that is the best way, but most people get new plants each year.

The care of the Lilies in the growing season is almost nothing. Keep the pool filled with water, and if the leaves become too thick pull them out. Some season you may be troubled with small insects eating the leaves but they may be washed off into the water by spraying with the hose and they will disperse of them.

One important thing is to consider the surroundings of the pool. The edges should be so concealed with rocks that the concrete may not be seen at all. This will take careful planning but you can do it and the effect will be so much better. There are many plants that are suitable for planting around and near the pool; whether you want tall or low growing things will depend on the location. Be careful not to overplant. The beauty of the pool is in the bloom of the Lilies and the mirror surface of the water. A sheltered seat nearby where you may sit and watch the interesting life in and around the pool will add greatly to the enjoyment it provides.

There are many interesting things in a garden, but if you have a pool you will find that your friends and yourself will consider it the real point of interest. Again and again they will return to it. From midsummer till freezing weather it will be the focal point of interest in the whole garden.
Coming—MILK
for 365
tomorrows!

Keep each day's supply fresher in a new refrigerator . . . the Gibson

The heat that spoils milk can't get inside a Gibson—The walls are insulated with corkboard—recognized as the best insulation made. As you swing the doors shut they lock automatically and air-tight. Gibson's patented, one-piece, cast-aluminum trap keeps warm air from coming through the drain. Most efficient. Non-rusting. Unbreakable.

Sanitation is always assured in the Gibson—The seamless, all-porcelain interior with rounded corners is easy to clean. No place for dirt to hide. The flat metal shelves, exclusive to Gibson, never rust. You can slide small dishes across them without tipping their contents.

Manufacturers of electrical refrigerating units approve the corkboard insulated Gibson—Many Gibson models come equipped for quick and easy installation of electrical appliances. See the new line of Gibsons built expressly for electrical or gas refrigeration units.

A compartment at the base can be used to house your unit or as a storage place for vegetables.

All sizes, styles and prices—The Gibson is sold everywhere. Beautiful cabinets to choose from—dazzling white all-porcelain exteriors, oak-finished ash cabinets and snow-white enameled all-steel refrigerators. Priced to suit your purse. Send the coupon for a free copy of "It's Time to Get a Gibson." Gibson Refrigerator Co., Greenville, Mich.

"A perfectly logical and scientifically correct principle" . . . SAID DR. DE FOREST

The operating principle and heavily insulated structure of a Chambers Gas Range provide certain definite and desirable results. Under average conditions, gas bills are cut in two.

Then there is the notable convenience; also a considerable saving in the housewife's time since the cooking is almost automatic and requires no watching.

Set the Autostat and light the gas. The gas will shut off automatically. Cooking will continue with the gas completely turned off.

Foods so cooked are never underdone nor scorched. The flavors and natural juices, as well as the health-building food elements, are retained.

The Chambers has been referred to as "the most luxurious, also the most economical, gas range in the world." It more than pays its way in savings and conveniences. Just as the proud scientist values his precise laboratory apparatus, so does the modern housewife value the Chambers.

There is but one authorized Chambers dealer in any city—usually the leading range store. This store can demonstrate our claims, or we will be pleased to mail you additional information and prices.

The CHAMBERS MANUFACTURING CO.
603 Columbus Park
Shelbyville, Indiana

Originator of the insulated gas range, the Thermodome and the Autostat.
WHEN choosing varieties for the home Apple orchard the first consideration should be the purpose for which each variety is to be grown. Therefore the primary choice should be among varieties best adapted to desert, secondarily among those used for cooking, making pie, sauce, jelly, jam, etc. It should be borne in mind that certain varieties are outstandingly fitted for one special purpose; for instance, Tompkins King, though good to eat raw is the finest of all baking varieties, Rhode Island Greening is the best of all small pies, and the best for making apple sauce, the two Newtown Pippins are equally notable for cooking and dessert, whereas such fine-grained, delicate flavored sorts as Wagener, Primus, Macintosh and Fameuse, while at the top of the list as dessert fruits, are worthless for cooking, though Fameuse is notable for its wonderful jelly.

Having recognized the special adaptations of varieties, the next point to consider should be the season of ripening and the duration of the fruit in prime condition under ordinary home methods of storing. Some varieties such as Early Joe and Early Strawberry, which ripen very early, are so perishable that as ordinarily handled they are unfit for food after having been gathered a week or two. Their season in most cases is also only two or three weeks. Others such as Yellow Newtown must be gathered long before they are ripe because frost will destroy them if they are left on the trees till ripe. They must be sorted for weeks and sometimes even months before they finally become soft enough to be eaten raw with any pleasure.

Varieties that ripen during a long period, especially those classed as summer and early autumn varieties, are better adapted to home use than those which have only a short period of ripening, because a smaller number of trees need to be grown to supply the family. Except for the reason next noted, therefore (as to duplicate trees) one tree of each variety in the summer and the early autumn groups should be enough for the ordinary sized home orchard—the half-acre area we are considering. Among the late autumn and early winter varieties, two trees each of three kinds or three trees each of two kinds—eighteen trees in all—should be planted to supply the family. As this fruit is developed at the tip of the spur a "cluster bud" is formed at the end and this bud is formed at one side of the spur. So a pointed spur is formed at one side of the spur. The following spring this bud normally develops into a stubby side spur which usually grows only a fraction of an inch and ends in a round, plum-like, cluster bud. Thus there is alternation of cluster of fruit buds and branch buds. Where the blossom buds on all the spurs on a tree develop into flower clusters it is usual for the tree to bear no fruit the following season, and where the whole tree bears fruit, therefore the fruits are borne in "odd" years and "full years", but except among fruit growers the reasons for these are not understood. The main cause of these phenomena is the peculiar way in which the blossoms and the fruits are borne.
...demand this QUIETNESS

SMALL homes make extreme quietness
in water closets doubly desirable. But
quietness is only one of eight advantages
of the T/N One-Piece Water Closet.

The T/N is considerably lower in price
than other quiet water closets. It is made
of the finest two-fired vitreous china to
avoid cracking, crazing or discoloring.

Has a powerful whirlpool flushing action
—thoroughly cleansing. Non-overflowing
—an important safety-factor always. Beautiful
one-piece design—no unsightly, dust-catching wall-tank. Space-saving—can be
installed in a corner or under a window.

Simple mechanism is free from trouble.

Leading architects and sanitary engineers
endorse the T/N as offering the maximum
in sanitation. Your plumbing contractor
knows T/N. Phone him, or mail coupon.

ONE PIECE WATER CLOSET

W. A. CASE & SON MFG. Co.,
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Please send free descriptive
literature on the T/N One-
Piece Water Closet.

I am interested in [NEW HOME] [REMODELING]

Name...........................................................

Address......................................................

Plumber's Name..............................
A room in the Hotel Plenitude, New York City

Spend a few dollars and save the hundreds you paid for floor coverings

If you follow the experience of hotel keepers, the best housekeepers, you will protect your costly floors, carpets, linoleum and rugs. Hotel keepers know furniture is hard on floors and floor coverings. They protect both because it pays.

A few dollars for Bassick Casters and NoMar furniture rests protect floor coverings for which you have paid hundreds of dollars. You can't afford to neglect protection that costs so little.

How NoMars prevent rug and floor ruination

Your bureau—your dressing table. Seldom shifted—always packing down the pile of the rug in the same spots. The end is ruin to the rug, tears that won't come out.

NoMars prevent this. They are broad and smooth of base, spreading the weight of furniture so it can do no harm. They are good-looking, too. Dark brown in color, resting close against the floor—they agree perfectly with modern trends in furniture design.

NoMars are unbreakable. They won't scratch polished floors or tear carpets. Ask your hardware or house furnish­ing dealer to show you NoMars.

And try a set—they fit most caster sockets. The coupon below will help you get full details.

On Bassick Casters things roll so easily

Beds have to be moved. So do ever so many items of furniture—chests, tables, chifferobes; not to mention sofas and pianos. How can you clean properly without moving them?

Bassicks make it easy. Easy on you, easy on your furniture, easy on the floor coverings and floors. For Bassicks work willingly, quietly, smoothly. They swivel promptly—and what you have to move goes where you want it, without fuss or contradiction.

In most homes there are casters that should be replaced. You simply cannot afford to be without easy-rolling Bassicks.

Write for the service booklet, with its full details as to types and sizes for every use. Or talk to your dealer. He knows—and recommends—Bassicks.

BASSICK NO MAR RESTS

NoMars are packed 4 to a set, with sockets. Four sizes, for light, medium, heavy and extra heavy furniture. Size Width No. 1 No. 2 No. 3 No. 4 of Base 1 1/4" 1 1/2" 2" 2 1/4" (Set of 4) $ .75 $ .80 $1.05 $1.50

The BASSICK COMPANY, Bridgeport, Conn.

You may send me the illustrated two service booklet which tells where and how to use Bassick Casters and NoMar Rests.

Name

Street and No.

City State

Midnight Marauders
Don't Fear Telephones!

"Listen, Mister... when a guy gets caught in the act like you are—there ain't much left for him to do 'cept be non-shallant, as the cigarette fellers say. If I wasn't too damned easy-goin'—I'd..."

Tragedy and comedy so often sound alike until the last moment. Your thug might not have a sense of humor. The telephone that connects you with the outer world—the splendid police force that maintains law and order to the fullest possible extent of its powers—the financial satisfaction of adequate insurance—these cannot always replace the means of vigorous and immediate self-defense.

The revolver is an effective instrument in the promotion of law and order. It is an invaluable factor in the preservation of life and property and creates a feeling of security.

Smith & Wesson
Springfield, Mass., U.S.A.

The Revolver Manufacturer

We will be glad to send you our descriptive Booklet "A" upon request.
"Florctic" . . Modern treatment of a graceful motif giving the effect of hand-work on the wall. Lightness of line gives freedom and freshness characteristic of the newer floral papers. Backgrounds of creams or tans — flowers in various colors. An exclusive Thibaut creation offered at $1.00 the roll.

"Maytime" . . Exclusive Thibaut blossom design in the contemporary mood. Spottiness is skilfully avoided by the use of delicate lines which hold the flowers together. Offered also in another striking color scheme: red blooms; pastel shades of orange and pink; blue-green line. Price—$1.00 the roll.

WALL PAPER most graciously expressing the spirit of sane modernism in home decoration. Thibaut’s exclusive “Designs of Today” are as fresh and free as the contemporary art movement which gave them birth — yet never odd or freakish. And they are most practical, too — an unusual process makes it impossible for them to fade. These smart papers for years could be purchased only in New York. Today they are offered by quality establishments in all the principal cities. If your decorator or dealer does not have Thibaut Wall Papers, write for specimen designs. We will send also a copy of our little booklet, “Wall Paper Designs of Today.” Address: Richard E. Thibaut, Inc., 24 West 40th Street, New York.

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CASA IRISADA—Home of the Rainbows. A brochure which tells the colorful story of this charming Spanish home is now on the press. Your copy will be sent at your request.

Color... that endures as long as the home

For the colorful home no interior finish or exterior embellishment can be so lastingly beautiful as tile—particularly Kraftile High Fired Faience Tile.

For Kraftile is a unique material. Its enamel, the hardest known, is not a veneer but is fused inseparably with the body of the tile. It is fadeless, wear-proof, weather-proof. Kraftile is made in a wide choice of delicate plain colors, and in classical and modern designs of rare beauty.

It is used for walls and floors throughout the home, in bathrooms, kitchens, sunrooms, living-rooms; for stair risers, courts, patios and plunge.

Plain colors and rare designs

Precious Jewels of Architecture

Main Office and Factory, Niles, California

If you only knew how simple and how convenient it is to have automatic oil heat, you would never face another winter without it.

If you camped at the furnace door, you couldn't do as good a job. You need do this but once during the whole winter. Automatic heat with the Johnson Automatic Oil Burner is economical, too. There is no wasted fuel in banking fires; no unburned fuel to fall into the ash box. Fuel is burned only when heat is needed. It is often possible to pay for the entire installation from the savings in fuel costs alone.

Add to all this the fact that your basement can be transformed into an extra room, where once stood the coal bin and ash cans, and you will realize that automatic heat with the Johnson Automatic Oil Burner is the truly modern, carefree method of home heating.

Simple - Economical

You simply set the thermostat at the temperature desired, and at the hour you want the fire to start in the morning and to stop at night. And a free booklet, "A New Freedom in Home Heating," gives complete information. Send for your copy today. The coupon will bring it.

JOHNSON OIL BURNERS

LISTED AS STANDARD BY THE UNDERWRITERS' LABORATORIES

AUTOMATIC UNIFORM HEAT

S. T. JOHNSON CO.

940 Arlington Street

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Please send me your free booklet "A New Freedom in Home Heating."

Name __________________________________________
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Help you make a selection from the 119 Driwood Mouldings shown in our Catalog, according to the furnishings and period of your own interiors. Or mail the coupon below for copy of our new picture book, "Fashionable Walls." It contains actual photographs of many interiors in which Driwood Mouldings have been used, photographs that will give you suggestions for enriching your own home in this inexpensive way.

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Branch Offices in Boston, Detroit, Philadelphia, and Pittsburgh

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PERIOD MOULDINGS in ornamented wood

DRIWOOD

TRADE MARK REG.

DECORATE YOUR WALLS

This fashionable new way

If you are tired of seeing the same wall treatments everywhere you go... if you would like to create in your own home an air of distinction quite out of the ordinary... you are going to be delighted with the new decorative possibilities offered by Driwood Period Mouldings in Ornamented Wood.

Until the introduction of Driwood, the use of decorative wood mouldings for cornices, wall panels, door heads, etc., was prohibitive—unless you were willing to pay the price for hand carving.

But, so inexpensive are Driwood Mouldings that they are available even to small homes... for use in a single room, a hall, or foyer, or throughout an entire house or apartment. They are equally inexpensive to install, for any carpenter can do it. They are equally inexpensive to maintain, for they will never chip or crack.

Ask your architect, decorator or building material dealer to help you make a selection from the 119 Driwood Mouldings shown in our Catalog, according to the furnishings and period of your own interiors. Or mail the coupon below for copy of our new picture book, "Fashionable Walls." It contains actual photographs of many interiors in which Driwood Mouldings have been used, photographs that will give you suggestions for enriching your own home in this inexpensive way.

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In the case of late fall and winter varieties the off and full year productivity may be prevented or modified by two easily applied methods. The first is to pinch off all the flowers on the young fruits from at least half the spurs. The other half will bear fruit that year and the half deprived of flowers or fruits will produce blossom buds for the succeeding season. A little annual attention to this pinching during the first two or three years will help to bear will tend to fix annual bearing of moderate crops as a character of the tree.

Two other things that will help this habit are liberal feeding of the trees and thinning out the fruit when about half grown. In this work the aim should be to remove all the gnarly, wormy and diseased specimens, then to reduce the number of apples until those that remain will not be closer than six inches apart when fully mature. Nothing that can be done to or for the growing will produce such striking improvements in the quality, size and appearance of the natural fruit as the removal of twenty-five to seventy-five percent of the specimens of a liberal set. When the set is small the removal of the defective specimens will never make good fruit and they demand more or less plant food that the trees could otherwise utilize to better advantage. It can be conserved in order to form fruit buds for the following year.

The argument for thinning is that when the 100 percent of plant food that would normally develop 100 percent of the crop is diverted to develop only fifty percent of the crop (the other fifty percent being removed) this remaining fifty percent develops greater size, finer texture, higher flavor and more attractive color; in short, it is worth more from the standpoint of appearance and edibility. But it also gets rid of the specimens that would never be anything but dwarfs because it saves plant food which the trees could otherwise utilize to better advantage. It can be conserved in order to form fruit buds for the following year.

A FALSE IDEA

Many people are reluctant to plant Apple trees because they have been led to believe that this fruit is slow to come into bearing. It is a great pity that such half-baked ideas should be so hard to correct in the public mind. It is a general belief, for while it is true that some varieties are slow to reach bearing age yet there are others that are almost astonishingly quick.

In order to be able to speak authoritatively on the matter, the State Agricultural Experiment Station at Geneva some years ago planted trees of a large number of Apple varieties, making specific notes of the time when they began to bear, and at the end of the ninth year published its findings. These may be summarized as follows:

During the second year three varieties had started to bear. In the third year three others, in the fourth thirteen others, in the fifth seventeen others. This makes a total of thirty-six out of fifty-seven varieties (practically two-thirds) that had begun to yield within five years. During the sixth no other varieties began; in the seventh two, in the eighth four, in the ninth thirteen. At that time there were only two varieties that had not yet borne even one apple.

Now it happens that among the thirty-six precocious varieties we have some of special merit, either for dessert, culinary purposes or both: (Summer) Primate, Oldenburg, Williams Favorite, Early Harvest, Maiden Bluish, Yellow Transparent, Red Aromatic, Aurora, Pomme Gise, Twenty Ounce, Wagoner, (Winter) Rhode Island Greening, Tompkins King, Green Newtown, Wapato, Rome.

While the above data shows that some varieties reported on were slow to begin bearing, yet the time required under ordinary management can be greatly shortened under judicious methods, especially by restricted pruning (the removal of no more branches or twigs than will produce the good form of the main limbs and branches)—really a form of training rather than pruning as it is commonly understood.

PLANT FOOD

Equally important is the liberal supply of moisture and plant food in the soil. The former may be maintained largely by plowing in cover crops, those "green manures" which as they decay act like a blanket and though it may appear to be taking up water during wet times and giving it off slowly during dry periods. The saving of moisture in the soil may also be enhanced by cultivation of the surface an inch or two, from spring until midsummer; for when this is kept loose it acts like a blanket, and though it may appear powdery just yet the surface it holds back the moisture as may be seen by scraping away a little of the immediate surface. The moist earth shows as a darker layer below the dusty surface.

One of the greatest mistakes an amateur can make is to buy what certain nurseries call bearing age trees. In reality these are probably old enough to bear; in fact, some of them may have fruit spurs or even have actually borne a few fruits in the nursery row. But I have yet to learn of a single case where the buyer of such trees did not rue his purchase. In every case that has come under my notice most of the trees, the same year as set out and the others eked out a miserable, fruitless existence.

Some years ago one of my clients, against my arguments to the contrary, insisted on planting five large trees—one Peach, a Pear, a Sweet Cherry and two Apples—for a total of $130. The Pear tree was so afflicted with blight that I condemned it when it was removed but not replaced. The Peach bloomed and leafed out, but died before midsummer. The Cherry died the following winter. Both Apple trees still exist, but several of the one-year and two-year trees which were planted at the same time grew slowly and began to bear only three years after being set out.

(Continued from page 178)
Here's how the Average Unprotected Screen Tears Out...

SCREEN cloth made by the New York Wire Cloth Company need not be handled with kid gloves. It is evenly meshed, firm, strongest at the selvage because it is doubly reinforced along the edges.

You are freed of the annual expense and worry of unnecessary screen repairing if you see to it that your windows and doors are dressed in one of these handsome New York Wire screen cloths.

OPAL is a heavily zinc coated wire screen cloth made from the best hard drawn steel wire, full gauge and perfect. Its protected White Satin finish blends well with any color or type of home.

LIBERTY Golden Bronze is made of hard drawn bronze wire, non-corrosive, strong, resilient, perfectly woven with uniform mesh and straight lines. It has a beautiful rich gold color.

LIBERTY Antique Bronze is made of the same high quality non-corroding, hard drawn bronze wire, full gauge and perfectly woven. It has a beautiful dark rich antique color, making it practically invisible.

Your hardware dealer has New York Wire Cloth. See him now. Look for the Minute Man Trade Mark "The Sure Defense" Manufactured by the.

NEW YORK WIRE CLOTH COMPANY 342 MADISON AVENUE NEW YORK

Does Your Home Hide Something?

Get rid of it—the decent way

At your back door, or in your yard, is there something you don’t like to think about—a garbage can? And how about your basement—is it cluttered with fire-inviting litter?

Surely, in this age of modern home and banish forever bathrooms, automatic heat, the breeding places of germs and vermin and the most common source of fires. Set a good example for your community—be a good citizen.

Mail the coupon.

Savage IncineraTOR Co., Milwaukee, Wis.

INCINOR
THE HOME INCINERATOR

Good Riddance
GARBAGE • RUBBISH • TRASH

THE HOME INCINERATOR

Savage Incinerator Company, Dept. E-5, Milwaukee, Wis.

Send me your free booklet "The Decent Way."

You or your washer... which should do the work on wash day?

The answer is clear—still many thousands of women work themselves sick every wash-day, rinsing and wringing wet heavy clothes, doing the work their washer should do alone.

After washing, many machines give up the job or at least force you to share the labor of rinsing and wringing. The Savage Wringerless Washer, with its special "Spin-Rinse, Spin-Dry" feature will do the whole job—washing, blueing, rinsing and spin-drying... in its one tub. Never once do you need to lift or handle the clothes in water.

In 10 minutes a Savage Wringerless does complete, from hamper to line, a 10 lb. load or an entire week’s wash in an hour.

Even though the Savage Wringerless does four-fold duty—it is absolutely simple to use. There is no possible chance of injuring either the operator or the clothes.

Send for the booklet describing this remarkable washer. It is free—Mail the coupon now.

Made and Guaranteed by Savage Arms Corporation - Utica, N.Y.
The Smartest Street on Earth
at the end of the longest gangplank

The mode that doesn't begin on the rue de la Paix, or near it... isn't a mode... it's a costly mistake. -- The woman who doesn't adore the thought of buying clothes there, and glittering trifles on the rue de Rivoli... isn't a woman... she's a misnomer in petticoats:-: All the sleek long-nosed cars in Europe, all the racing greyhounds that cut a blue-green swathe across the Atlantic are drawn by the irresistible pull of those little jewel-box shops! :-: But the smartest of the women and the wisest of the men are taking the "France", the "Paris" or the "Ile de France", those Weekly Express Liners that carry them to Paris by the quickest, easiest, gayest, pleasantest route.--: The men know they won't find a boire in the smoking room, a bounder at dinner or a menu less than perfect. :-: The women know that the world doesn't hold a more appreciative audience for themselves and their frocks. Paris-alloaat, a call London, then dock the boat-train waits the rue de la Paix!

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APPLE ORCHARD SUCCESS
(Continued from page 178)

The reasons why "bearing age" trees fail are: First, it is impossible to dig them up without losing practically all the feeding roots—those little fibres a yard or more from the base of the trunk. With these cut off the stumps of the roots that remain—perhaps ten or fifteen percent of the total—are unable to absorb the moisture necessary to supply the top. Herein the nurseryman is certainly to blame. He sells a tree which is quite incapable of readjusting itself to life. Second, such trees are almost invariably planted just as received from the nursery—so pruning back of the top. In other words the buyer is trying to compel ten to fifteen percent of root to supply 100 percent of top with all the water needed to form leaves, twigs, etc. It can't be done.

Apart from the folly of buying too large or too old trees, much of the disappointment and loss which amateurs experience could be avoided by judicious selection of young nursery stock. Points to insist that the nurseryman shall observe are: Trees true to name, to good health and vigor, mature but fully dormant when dug, plump when delivered, straight, well rooted and in one-year stock without branches, in two-year stock with branches scattered up and down the trunk—not in a small cluster only a few branches apart.

FOOD PRECAUTIONS

Should the stock be delayed in shipment so that it arrives in shriveled condition insist upon a full order receipt from the transportation company. Send this with a report direct to the nurseryman so he may take the matter up with the transportation company. If the stock is not so seriously shriveled as to be almost brittle it may be saved as follows:

Plunge it full depth in a pond or a stream and let it soak for a couple of days before planting, or bury it (roots, trunks and part of the tops) in wet ground for a week or ten days. Either of these methods will save many trees and prevent losses due to dry soil and dry winds, plus the very embittered condition of the shriveled plants.

Whenever possible always order stock for delivery in the autumn but insist that the leaves shall have fallen off naturally before the trees are dug. They must not be cut or stripped off. When they fall off the tree is "ripened" and able to meet winter conditions; when stripped off it is not, and is almost sure to be killed.

The chief advantages of buying stock in the fall are that one is then much more likely to get the varieties he wants, the nurseriesmen not having depleted their stock as in spring. But there are other advantages. In the full planting may be done at a time when other work is usually not pressing. Trees so planted are ready to begin root and top formations often long before spring-ordered stock arrives, a point that means a great deal in the general development of the early fruitfulness of the tree.

But supposing that planting cannot be undertaken in the autumn, there are still the advantages of having a stock of the desired varieties on hand ready for planting the moment conditions become favorable in the spring. Anyone can store trees successfully over winter. All that is necessary is to lay the plants down obliquely and bury roots and two-thirds or three-quarters of the trunks and branches with earth in a dry knoll and to permit no straw or other litter to remain near them for mice to build nests in. Mice eat twigs and the bark of trees as it is in fall to take measures to prevent their taking up residence nearby.

As to soils for an Apple orchard, the amateur who has only limited land must make the best of what he has. If he has several areas to choose from his preference should be for one that has produced good crops of inter-tilled vegetables such as Corn and Potatoes. If such soils are deeply underlaid by gravel or shale so much the better, because the trunks readily penetrate such ground and thus they usually are able to reach permanent sources of water.

Soils to avoid are those underlaid by hard pan, heavy clay or unbroken rock near the surface. These are likely to be so poorly supplied with water that the trees will suffer. Soils poorly drained are also undesirable because they are likely to be cold and sour. Other things being equal the high site is better than the low one because it is usually better drained and there is less likelihood of damage from late frosts in spring or fungous diseases which luxuriate where the air is damp as it always is in low ground.

THE PLANTING

In planting it is advisable to throw the surface soil in a pile by itself and the lower or subsoil in a separate pile so the former may be thrown black from fire and thus provide the roots with a richer medium in which to start growth. Never should manure or commercial fertilizer be thrown in near the roots, though ground bone, tankage, dried blood or other animal fertilizer may be mixed with the soil as it is thrown in. As the hole is being filled, the earth should be trammeled as firmly as possible around the roots to get rid of any air pockets and bring the roots closely in contact with it. Finally the poor subsoil should be thrown on top and packed down firmly, though the immediate surface should be made loose if the weather is dry in late spring. This will check evaporation. By having the poor soil on top there is usually less trouble with weeds because most plants find difficulty in starting to grow in such poor earth.

As a rule all fruits do better under clean culture. When the orchard should be planted on land that has been in cultivation for at least one season before setting. Crops such as Corn, Potatoes and other vegetables that require inter-tillage are excellent to precede the trees. After planting, the ground should be kept free from weeds until midsummer each season. First by plowing and then by harrowing once in ten days or two weeks. In July or August

(Continued on page 182)
FAMOUS USERS OF
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HIGH PRESSURE
WATER SYSTEMS

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t used to be that forged iron hardware was specially made to order, at prices limiting its use to homes like "Movie Palaces." Then came McKinney Forged Iron—and now you can decorate a home of even the most moderate size without feeling reckless. It's all genuine forged iron, too, following the finest examples of old-time craftsmanship. Designs adhere to English, Colonial and Spanish traditions. Workmanship is superb, with a rust-proofed finish rivaling the gleam of old armor in its rich lights and shadows.

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Enclosed is dollar bill for which send me a 12" x 18" piece of non-slip Duro Gloss to try under my rug.

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W-HEN you build that new home, or remodel your present one, you can be sure your screens are up-to-date, if you will equip with neat, trim, durable metal-frame screens.

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The newest ideas on screening are told by the Association's experts, in this book. It is free.
Where FLOORS get the hardest WEAR!

The parts of the floor that your visitors see first—in hallways, around tables, in front of the radio, piano or chairs—are the places that get the hardest wear. Now—these prominent places can be just as attractive and beautiful as the rest of your floor. And they can be kept lovely forever with this magic quick polish—Old English Wax.

Think of Old English Wax as a thin, hard, transparent coat of armor that gives your hardwood floors an old world charm and really protects them like a glass top protects the finish of a desk.

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Old English Wax not only gives floors a lovely polish but it also removes dirt. And because of its hard, smooth finish, Old English Wax does not collect dust and dirt so quickly. Besides your floors are protected by a durable coat of wax that protects them against scratches, heelmarks, and wear.

Old English Wax costs less than ordinary floor waxes because you need not use so much—a little goes a long way, and the polish lasts longer.

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APPLE ORCHARD SUCCESS

(Continued from page 189)

the land may be allowed to grow a volunteer crop of weeds, or just before the last harrowing a seeding of a cover crop may be given. For resting crops for this purpose are Crimson Clover, a mixture of Rye and Winter Vetch or Rye alone. In early spring before these have grown more than a foot or fifteen inches high they must be plowed under to decay for the benefit of the trees. As they decay they not only return to the ground the plant food they have taken up from the soil, but they take up and retain moisture which they yield gradually to the roots of the trees.

It is generally considered a good plan to fertilize orchards with various forms of potash and phosphoric acid, a handful of each to young trees applied at any convenient time, more especially when growth starts, or when those trees old enough to bear are in blossom. Nitrate of soda may be given at the same time, but where Clover or any kind or Vetches make good growth before being plowed under this fertilizer must be used with precaution or the trees may make too lush a growth of leaves and shoots at the expense of fruit production. To determine when to use this chemical, note the growth of the young shoots. If these are large and luscious and the leaves are very dark green and abnormally large, avoid it. On the other hand, if they are small and wiry and if the leaves are small and yellowish use it rather liberally. The covering crops will take up all the fertilizer that the trees don’t use direct and when they decay after plowing under, will return this plant food to the soil.

Planting the first year the most troublesome pests of the Apple are probably aphids which usually appear shortly after the leaves develop and increase more or less during summer. They should be promptly sprayed with nicotine sulphate.

Caterpillars may appear the first year on individual trees, more especially during late June, July and August. An arsenic of lead is the specific for them. During the following winter or early spring search for tent caterpillar egg clusters which are easily seen on the twigs as brownish masses usually about an inch long. Their appearance suggests frothy glue. They should be broken off and thrown where the caterpillars cannot get any food and where the parasites often in the eggs may escape about the time the buds swell. At this time the infant caterpillars form little webs in the crotches of branches. These are easy to see before the leaves grow. They may be wiped out with a wad of barbula and the worms destroyed. While the trees are small these are the two easiest and most satisfactory ways of controlling this insect. When the trees become large, dormant spraying with miscible oils or, after the leaves have developed, with arsenic of lead, are most satisfactory.

Except to train the trees in the way suggested, by pinching out the undesired shoots, the less pruning the better. Every effort should be made to avoid what is called pruning—the removal of numerous or large branches. This can be done by anticipating what will happen if certain twigs are allowed to develop into branches, pinching them off while green or cutting them off with a sharp knife while still small. In this way plant energy is directed to the branches that are desired and the tree is never thrown out of balance, as is often the case when many or large branches are removed. Then, too, one may avoid the risk of damage that always occurs when large branches are removed.

In the ways suggested—choosing precocious varieties, planting them in favorable soil on a favorable site, giving them good cultural care providing sufficient plant food and moisture through the cropping year and especially by training rather than the so-called pruning which is too often in reality tree butchery, anyone can have not merely as good an orchard in reality a tree butchery, anyone can have not merely as good an orchard but one where the trees grow grandly grown', but can exceed even the excellence of the memories of the old gentleman's best achievements.

INSURANCE FOR HOME-OWNERS

(Continued from page 146)

Chambers of Commerce will find this field well worthy of their efforts.

The various classes of insurance that the home-owner needs are too numerous to discuss in this article. Other articles will appear from time to time, discussing them; meanwhile, it is sufficient to summarize the writer’s opinion that the owner of a home should protect himself against all forms of losses; the expense of insurance, together with the interest on his investment, the taxes and the upkeep, represent the true cost to the owner of his rent. The following types of policy are adequate:

Fire and lightning insurance covering the loss of the building. Fire and lightning insurance covering loss of contents. Fire and lightning insurance covering loss of use of the premises (known as rent insurance). Fire and lightning insurance covering particularly valuable trees or shrubs. Burglary, theft and larceny insurance. All risk jewelry insurance. General Liability insurance. Workmen’s compensation insurance (if owner resides in a State where domestic servants are entitled to compensation benefits). Automobile insurance. Homeowners insurance (mansion is owned). Heating boiler insurance (if a boiler is in the building). Plate glass insurance (if any plate glass is in the building). Tornado and windstorm insurance. Tornado or fire insurance. Life insurance. Accident insurance.
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Presented and guaranteed by the California Fruit Growers Exchange for fast, satisfying home service extracting Orange and Lemon Juice. Strong and handsome, this Junior Extractor stands 10 in. high and weighs 6 lbs. Only two instantly removable parts to clean under fixture.

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SECOND
WEATHERBEST Home Modernizing CONTEST

The famous 1927 WEATHERBEST Contest awarded similar prizes for the best examples of old homes modernized by recovering sidewalls with edge grain red cedar stained shingles. Mr. and Mrs. Clifford J. Foster, Rives Junction, Mich., won the 1927 first prize of $1000, modernizing their home at a cost of approximately $800. The 1929 WEATHERBEST Contest which opened January 1st and will close October 31st, 1929, is even a more generous offer:

FIRST PRIZE
SECOND PRIZE
THIRD PRIZE
$1,000
$500
$250

Fourth Prize, $150 Four Prizes of $75 each Ten Prizes of $50 each Ten Prizes of $30 each

(In event of tie for any price, full amount of such price will be awarded to each tied contestant.)

Write today for details of this Prize Contest and Booklet "Making Old Houses into Charming Homes." Ask our Service Dept. for suggestions and free sketch Service.

Through modernizing with WEATHERBEST, added value, beauty and comfort can easily be given to homes growing old. The WEATHERBEST 1929 Contest offers an opportunity to win a cash prize, perhaps more than the cost to modernize.

WEATHERBEST Stained Shingles are 100% edge grain red cedar treated by the WEATHERBEST special process of staining and preserving that insures uniform, durable colors and life-long service.

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SOWING AS IT SHOULD BE DONE

(Continued from page 92)

in moist soil without germinating. Long continued experiments have shown that many weed seeds will germinate after having been buried for forty years! And there are records in Japan of Lotus seeds which have lain buried for four or five times as long as that and then needed to be filed before they would absorb sufficient moisture to germinate.

Recent experiments have proved that many plant diseases are carried over in the seed. It had been suspected for a long time that this happened in some cases, but it has proved very much more general than anyone imagined. While these investigations have been largely with crops of economic importance, similar diseases attack flowers and ornamental plants, many of these have been traced directly to infection through the seed. There are other diseases which either destroy the vitality of the seed or kill off the young plants.

In experimental work looking toward the control of these diseases it has been discovered that organic mercury compounds will destroy many of the lower forms of life, to which most of these diseases belong, without injuring the higher forms represented by the plants upon which they prey. This has given us a new method of control which has been the means not only of saving hundreds of thousands of dollars to farmers, but proven a boon to amateur gardeners as well. Who, for instance, has not had the disharmonizing and tremendously annoying experience of losing a batch of seedling plants, just as they seemed to be making a splendid start, through posterior damping-off disease which attacks the tender stems just at the surface of the soil, notwithstanding the most careful attention? Not all seed-borne diseases may be controlled even by these new-type disinfectants, for in some cases they may have already penetrated the seed tissue and injured the embryo before the grower gets them. But they do check so many forms of bacteria, both upon the seed itself and present in the soil ready to attack when the seeds are planted, that their general use is by all means worth while.

Still other experiments in seed germination have had to do with the medium in which they are started. It has been found that some prefer an acid-reacting medium, such as fresh peat-moss, others an alkaline-reacting medium like ordinary garden loam, while others are more or less indifferent or tolerant, starting well under a wide range of conditions. All but a very few will germinate satisfactorily

(Continued on page 186)
WHEN the proud owner of a General Electric Refrigerator takes her friends in to see it, the first comment is apt to be "Why it's so quiet—you can barely hear it."

The thing which seems to impress everyone is the extreme quietness with which these refrigerators operate. Their unique construction has indeed established a new standard for quiet operation.

This design, however, accomplishes something even more important. It makes possible the top-unit arrangement—a distinctive feature found only in the General Electric Refrigerator. Placing the unit on top makes it possible to enclose all the machinery—together with a permanent supply of metal protecting oil—in an hermetically sealed steel casing. There the hidden machinery, always oiled, remains safe from dust and difficulties. No one can tinker with it—no one needs to.

All the heat generated is allowed, with this design, to rise above the refrigerator. Installation is simplified. Upon delivery, the entire mechanism is merely lowered into the top of the specially constructed cabinet. It is then placed where you want it and plugged into any electric outlet. There's no plumbing, for no drain pipe is necessary.

Quietly, automatically, the General Electric Refrigerator gives you the perfect refrigeration that does away with food spoilage and safeguards health. It provides a generous supply of ice, makes menu-planning so much easier, permits you to serve the sort of food that your guests will instantly recognize as perfect.

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She doesn’t like trains, and always prefers to motor. Gervais makes her clothes including the smartest green leather motoring coat to be seen this side of Paris. Usually she drives herself... and then it’s a HUPMOBILE, her personal car. Once she drove from her estate, Guinea Hollow Farm, at Old Westbury to New York in forty minutes. To the theatre she rides in a Rolls, a Minerva, or a Renault. And drives it mentally all the way, even though the most expert of chauffeurs is at the wheel. She likes her HUPMOBILE because it’s as smart as her flat little wrist watch by Cartier, fleet as her fastest hunter, trim as her riding habits by Huntsman.
SIX BUSHEL INCINERATOR
only $90
Masonry about $50
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Smyser-Royer fixtures offer you the opportunity of perpetuating yourself in Your Home.

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Asks Bess in that Witching House Bookie, from which this is taken.

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TIN cans, a battered banana, half of an egg sandwich, some crumpled comic papers...unsightly rubbish, offensive both to you and your guests. But this can be removed as other mementos of the picnickers' visit cannot. Trampled flowers, broken shrubbery and torn lawns can only be restored by time and expensive labor.

Trespassers can be effectively prohibited from the beautiful, inviting grounds of your country estate. And a police cordon is not required to keep them off.

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May we send you one of our catalogs to show you how attractively we have enclosed your property with Anchor Estate Fences at your nearest office places our complete service at your disposal.

ANCHOR POST FENCE COMPANY
Eastern Ave. and Kane St., Baltimore, Md.
Consult Telephone Directory for nearest office.

Watering of newly planted seeds is best accomplished with a sprayer which will moisten the soil slowly, evenly and sufficiently without washing away the seeds.

**SOWING AS IT SHOULD BE DONE**

(Continued from page 184)

in a mixture of soil and peat-moss, which apparently supplies the conditions needed by both extremes.

Of greater practical importance, perhaps, has been the marked difference shown by the constancy of the moisture supply in the germinating medium. Alternate wetting and drying gives slow or poor germination and checks seedling growth, as compared with a maintenance in the germinating medium of a constant, even moisture supply. Fluctuations in temperature operate in the same way. A medium which tends to maintain an even temperature, regardless of slight variations in the temperature of the atmosphere, is much more suitable than one tending to follow the various atmospheric changes.

And now as to the steps the amateur gardener may take to utilize these facts in his own everyday gardening affairs, so that he may secure a higher percentage of results with such things as he may have attempted to grow in the past, or a satisfactory degree of success with others which he may have considered as being too difficult to attempt.

The first step of all is to determine to which of the three general groups or classes of seeds belong those which are to be started.

The first of these three includes seeds which are ready to germinate immediately or soon after they mature, without any preliminary preparation. In this class belong practically all of the annuals and vegetables and most of the perennials, so it covers the great majority of those seeds which the amateur is likely to be dealing with.

The second class includes seeds with extremely hard shells, or with fibrous membranes about the embryos, which render germination unusually difficult. Many such seeds may be prepared for planting by soaking for twenty-four to forty-eight hours in lukewarm water, or "pre-soaking" then in moist sand or moist peat-moss until the germ is just ready to start. Hard Sweet Peas and Gladiolus bulbs are examples of the things which may well be handled in this way. Large, hard-shelled seed, like those of Cannas and Lotus, may be slightly cracked with a small hammer, or nicked with a knife blade—taking care, of course, not to injure the germ.

The third group or type of seeds are those which require a period of after-opening, as described above. They include mostly seeds of trees and shrubs, the exceptions being species and varieties maturing their seed so early that in Nature they germinate the same season they are produced.

The time of flowering is no guide in this respect, as the seed—like those of the Flowering Dogwood (Cornus florida) and others, native and horticultural Roses and of the Barberries—may not develop for weeks or even months. If one is going to attempt growing seeds of this class it is well to get specific information concerning the kinds to be grown from the source from which the seed is obtained, or from some organization like the Boyce-Thompson Institute, which has probably done more seed experimentation work than any other organization in the country.

Seed disinfection is so easy and so inexpensive, with the new organic mercury disinfectants already spoken of, that it pays to disinfect as a general principle, whether the presence of any specific disease is suspected or not. For small quantities, all that is necessary is to put a pinch of the dust with the seed in a clean, tight-covered container, such as a wide-mouthed bottle or a fruit jar, and shake them together thoroughly for a moment or two. Any surplus dust may be used over again for another lot of seed. No matter how smooth the seeds, the dust will adhere to them, thoroughly coating the surface. For bulbs, corms and some seed, soaking is better than dusting. The gain in the percentage of germination and the improvement in the vigor of the seedlings—and especially the protection against damping-off—make the treatment well worth while even for the protection of ordinary flower seeds.

Granulated peat-moss has proved to be, in many respects, an ideal medium for the germination of seeds. It is sterile; it absorbs more moisture in proportion to its weight and holds it more constantly than any other medium so far discovered; and, being an efficient non-conductor of heat and cold, it is less influenced by temperature changes than soil or sand. More...
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SOWING AS IT SHOULD BE DONE

(Continued from page 186)

over, it does not pack nor bake on the surface so much as how moist or how dry it may become.

The seeds of most acid-loving plants may be germinated in pure peat-moss or it is taken from the bale. For neutral or acid-intolerant varieties, a mixture of granulated peat-moss and fine sifted loam, half-and-half, has proven superior for general purposes. The soil should be neutral or only slightly alkaline reacting, excepting in the case of those few things which are extreme lime lovers. If peat loam is not available, some sand may be added to the mixture. To have it in the best mechanical condition, it should be run through a sieve of one-quarter inch or finer.

Seeds to be started under glass are usually to be transplanted as soon as possible, and a depth of two to three inches of the rooting medium is sufficient. Wooden boxes of any convenient size, from the ordinary florist’s flat, about 13” x 21”, to a cigar box, may be employed. Cigar boxes should be thoroughly retailed with small brads to keep them from warping and opening and be provided with half a dozen or so small holes in the bottom for drainage. Earthware has the advantage of maintaining the moisture supply more evenly. The square seed pan, made for this purpose, is the ideal receptacle for seed germination, but as these are rather expensive and not always available, the somewhat deeper bulb pan, or an ordinary flower pot, may be used.

If some good method of automatically watering the medium for germination can be arranged, the chances of achieving success with difficult seed will be greatly increased.

AUTOMATIC WATERING

One simple way of doing this is to place the seed pan or bulb pan in an ordinary flower-pot saucer, the bottom of which is kept covered with half an inch or so of water. Where numerous small quantities are to be sown, three- or four-inch pots, containing two or three seeds, may be placed inside of place one or two sizes larger, which are packed with peat-moss that can readily be kept saturated. This will maintain a constantly even degree of moisture in the soil.

Pans of glass placed over the flats, seed pans or pots prevent the rapid evaporation of moisture from the surface of the soil, and also create an air blanket which minimizes the effect of atmospheric temperature fluctuations. Too much moisture, indicated by excessive condensation on the under side of the glass, may be controlled by opening the glass a crack at one edge before placing it in flats, pans or pots, and then pack it in fairly tight, leaving a space of half an inch or less below the rim. Pack down the surface with a smooth block of wood, or the bottom of a flower pot. Sow the seed, previously disinfected, in rows two or three inches apart, or broadcast on the surface. Most beginners make the mistake of covering the seed too deeply, though the stronger the seedlings will be.

Small seeds need covering barely from sight. Very fine ones—the size of grains of salt or pepper—need not be covered at all but merely pressed gently into the surface. Larger seeds, like those of Asters or Verbenas, may be covered an eighth to a quarter of an inch deep.

Moisten the surface thoroughly after planting, using a sprayer rather than a watering can.

Hardy seed should be given a temperature 50° to 60° and tender of warm-blooded kinds 60° to 75°. While they will germinate at a lower temperature, it will take longer, and usually the quicker the germination the stronger the seedlings will be.

AFTER GERMINATION

After germination, it is a mistake to force the growth of the little seedlings by a high temperature, as this results in weak, spindling plants. While the seeds may be kept in the shade, or even in the dark, until they have actually germinated, they should thereafter be given full sunlight, if they have been covered with glass, this should also be removed. A delay of twenty-four or even of twelve hours in transferring them to full light and providing free air circulation may cause serious injury.

Seeds to be started in the open ground may be sown directly in a prepared bed, instead of in flats or seed pans, though the latter are to be preferred for very fine, difficult seeds which need careful handling. A seed bed may be made up, three or four feet wide, and protected by a temporary frame of boards or planks a few inches above the ground surface. Good drainage is most essential. The top two inches of soil, in which the seed is sown, should be prepared in the same way as that for starting seeds under glass. As there is more room, the rows may be spaced three or four inches apart, or even six inches if the plants are to be left for some time before being transplanted.

In the open, protection from driving rain is desirable. This should be provided by glass or composition saucer, supported on a substantial framework a foot or so above the bed. Seeds sown during midsummer should be shaded until they are well up; lath screens are used for this purpose. Perennials and rock plants may be sown late in the autumn and left in the frame over winter, to germinate in the spring. Excelsior makes a good winter covering or mulch under such conditions, as it protects the surface but will not pack down and stay wet. It is easily removed in March or April.

The watering of seedlings, no matter when or how they are started, should be done with great care. Try to water always early enough in the day so that the soil surface and foliage will dry off before night.

As soon as the little seedlings have grown sufficiently to crowd they must either be thinned out or transplanted. Many a batch of valuable seedlings has been nursed carefully through all the dangers of germination and earlier growth, only to be allowed to ruin each other by overcrowding.

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PRIMROSES FROM FOREIGN LANDS

(Continued from page 124)

Primroses in P. cinensis, P. ochroleuca, and P. malacoides and dainty P. forbesii. From remote Afghanistan came the charming yellow-flowered P. flavirnula which, mated with its Abyssinian friend, produced the popular yellow-blossomed P. keiskei. The Alps of Europe are begemmed with Primroses, but the real wealth of the family occurs on the mighty ranges which separate China from the plateau of Tibet. From this treasure trove the last three decades a hundred new Primroses have been sent to grace western gardens. Not all have made themselves at home but among those who have are to be found some of the finest members of the whole Primrose tribe.

In China one lovely Primrose (P. calcitrapa) grows on the limestone cliffs of the world-famed Yangtze gorges, where the climate is almost tropical. In early spring vertical cliffs in many places are alight with the blossoms of this plant which, to insure that its seeds are not swept away, bends its flower stalks back and forces the fruits into crevices. Beneath, in wet grassy places, grows P. ochroleuca, a plant which indeed when contrasted with its offspring grown in our greenhouses today.

In wet woodlands of western China, where Oak and Beech and Maple grow, thrive many moisture loving Primroses including sorts with deep blue flowers, such as P. scultaphila and P. davidii, neither of which have we succeeded in growing in gardens. It is, however, in the Alpine regions of the Chinese-Tibetan borderland that the Primrose family reaches its greatest exuberance, not only in variety of species but in hosts of individuals. On the edge of shrubberies in Alpine meadows, on rock crests to the very edge of the glaciers themselves, species upon species succeed one after another, with scented flowers of every hue. The plants themselves may not be more than an inch tall while others boldly throw up flower scapes a yard high. Between these extremes there is every intermediate height. No situation is without its Primrose and though imagination may help the reader the picture must actually be seen in order to be really understood.

It has been my good fortune to have tramped for days across these Alpine regions, reveling in the wealth of color presented, and to gather quite a number of Primroses for our garden. It was pleasant and enjoyable work, for each new find had a charm of its own. Looking backward, however, and appraising the garden value of different plants, I now think that no Primrose in all the world is fairer or more lovely than the common P. vulgaris, which bedecks moist copses, thickets and sloping banks throughout most of northern Europe.

In habit, form, color and scent Primulas have a charm all their own, a charm which increases the more they are studied and one which no familiarity can diminish or render stale. Their beauty lies open and appeals to all sorts and conditions of men.

Mother Nature has been niggardly toward us in her gift of native species, but we can, none the less, draw upon other countries for our gardens. Indeed, no true gardener can afford to neglect the cultivation of Primroses, for their varying hues impart a charm which color is most needed. Quite apart from their beauty, they have also a claim on the gardener's skill on account of the diversity of treatment to which they lend themselves. In sun or shade, in the rock garden or in the flower border, they are at home and equally attractive.

When we consider the main uses of Primroses in our garden we find that they fall into three groups: namely, those best suited for borders, those for the rock garden and those for the boggy ground. The border kinds comprise chiefly the Border Primroses and the Common Primrose of Europe and its diversified progeny, which include the well-known Polyanthas or Bunch Primroses, the Old Florists or Lace Primroses.

They all agree in preferring a soil of light loamy character with some leaf mold and a place where they can have at least partial protection from the strong glare of the sun.

All the forms of the common Primrose, be they double or single, pale yellow or bluish purple, solitary

(Continued on page 192)
Old Castle Lamps

Indicative of the many beautiful home decorations bearing the Old Castle mark is the imported brass lamp shown above. Hand pierced, hand chased shade, sheds a soft but ample light. Also suitable for executive's desk. Sold by leading electrical dealers, decorators, and department stores. Write to us for name of Old Castle dealer nearest you.

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PRIMROSES FROM FOREIGN LANDS

(Continued from page 190)

or bunched, demand a good rich soil and though they do object to sun they must not be parched. Cowdung is the best fertilizer with which to enrich the soil for these plants. Their essential requirements may be summarized as plenty of air, partial shade, abundance of moisture in spring and summer and a situation where the drainage is good. Generally speaking, it is best to divide these plants annually, though in rich soil the plants may stand for a couple of years.

Border Auriculas enjoy a rather stiffer soil and especially one which contains chalk. Among the more showy and easily grown sorts are some large-flowered forms having yellow and brown-bronze blossoms with a white eye. While these do well in a border they succeed better in little pockets and dells in the rockery. For Primroses in a rockery, loam and leaf mold with plenty of sand are a good mixture. A good number of the Alpine sorts, however, benefit from having a liberal admixture of grit or broken stone in which to grow. For the meadow or bog sorts the soil described for the Common Primrose is first-rate, the essential difference being that these demand an excess of moisture at the roots but not moisture that stagnates about them.

ROCK GARDENS

For the rock garden there is an immense number suited for wet or dry soil and cranny. Here can be accommodated those brilliant gems that delight in alpine conditions and which give so much color to the Alps of Europe, to the Himalayas and to the alpine regions of the Chino-Tibetan borderland. Many of these are exceedingly difficult to grow and more so than the Nivales group, of which P. nivalis itself is a fitting representative. These haunt the limits of vegetation on the higher mountains of the Chino-Himalayan region, growing where blizzards may happen at midsummer and where the snow is absent from the ground only for at least two months. They grow among rocks or in glacial detritus and are furnished with roots that have contractile properties which serve to anchor them firmly in the ground. Their leaves, usually oblong and wedge-shaped and covered with a white bloom, are arranged in neat rosettes; the flowers on scapes from three to ten inches tall are usually of good size, fragrant and of delicate shades of lavender-purple to nearly blue. No group is more lovely and more tenderly treated by the cultivators' patient skill. There is quite a number of species, all beautiful and bearing outwardly a close resemblance one to another, among the best are P. farracea, P. sinensis and P. kumthiana. Would that some one had a garden high up on Mt. Washington where he could indulge in these wayward mountain elves.

The most handsome of the various tribes of hardy Primroses and one of fairly easy culture is the Candelabra Primula, group, so named because the flowers are arranged tier above tier on the stem, often as many as nine or ten tiers being superimposed on a scape a yard high. These are all plants of moist meadows where rich soil prevails and where they never know drought. They are well-suited for planting along the side of a streamlet that feeds the rockery or wanders through the wild garden or woodland glade. The best known, perhaps, is the old Chinese species, of which the years of cultivation have given us good white and lilac-colored forms. More handsome, with its scapes taller and covered with golden hairs, is P. pulverulenta, which I discovered in western China a quarter of a century ago. Where I first found it, it grew on the edge of cultivation and on wet grassy slopes. I came upon it suddenly and thought I had never seen a more beautiful Primrose. Some of the scapes were twelve to fifteen feet tall with a dozen white flowers each nearly an inch across and of varying shades of rich red to crimson. Under cultivation white and yellow forms have originated. A few weeks afterwards in the alpine meadows around Tachien-lu I gathered P. pseudochinensis which has beautiful yellow flowers, a color unique and ravishing. These two species have been named and the result is a progeny of wonderfully beautiful Primulas, good natured, easily cultivated and perfectly hardy at least as far north as Massachusetts. Later, George Forrest collected the red-purple-flowered P. betonic, P. ballii and other similar species from the Himalayas and the glorious P. helodora, a vigorous grower producing whorls of dark rich yellow flowers. This plant is so handsome that I would urge upon Primula growers who have moist shady places. As I write I have in mind a narrow spot where three or four with a little streamlet meandering through the center and here at least a million of the Candelabra Primulas revel.

A VIGOROUS TYPE

One of the very first plants of which I collected seeds in China was Primula denticulata. I have grown this species for nearly twenty-nine years ago. In the course of time the plants flowered and proved to be a new species. It was called P. silvestris and is the first plant that was named in compliment to me. This is a vigorous fellow with flower scapes two and a half feet tall, bearing six to nine whorls of reddish-purple, sweet scented, inch-broad flowers. It is essentially a plant for the margin of a stream where it can enjoy abundant water but where there is a good aeration. The same conditions are applicable to the whole group to which this particular species belongs. For similar situations the lovely and delightfully fragrant Sikkim Cowslip is to be recommended, together with its Chinese relatives, P. poyalii, P. papuana and P. forbesii. These have scapes as a foot or two feet long crowned with a cluster of soft yellow blossoms. Related to them, with red-purple flowers and white striped calyx, P. zittata, is another alpine species from western China. For a lean-clad rock or pocket in
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The Horticultural Headquarters of the West since 1871

THE HYBRID PERPETUALS

(Continued from page 91)

often their names have been lost; one may act according to the growth made the previous years. If the blooms are allowed to fade on the plant, they must be cut off as soon as possible with long stems, as they would be for bouquets. The eyes on the remaining part of the stems will, after a short rest, start to grow and a second crop of blooms may be expected later in the summer or autumn. Some varieties will truly be perpetual if "remained" each year, which means cut back to the ground and made to grow an entire new or maiden plant.

Last summer it was my good fortune to visit Monsieur Cochet, the fifth generation of the great Cochet dynasty of Rose hybridizers and scientists (Cochet the First helped Empress Josephine in establishing her historical Roserie at Malmaison) at his estate of Coubert, about thirty-five miles west of Paris. He took me around to see great fields of Roses grown for the cut flower market of Paris. In that immediate vicinity are over 750 acres owned by 160 independent owners with a selling organization. They grow Hybrid Perpetuals only, and on August 3rd they were still cutting large quantities of Roses as beautiful and perfect as any grown here under glass—and this had been going on daily since the middle of May.

Walking through those fields, I was surprised to see what I thought to be young maidens (first year growth from buds inserted the previous summer). When I asked one of the owners whether these were new plants, he said to my amazement, "This field was planted by my grandfather thirty years ago and but very few plants had to be replaced." Calling one of the working men, he had him dig around a plant and then I saw a stump several inches in diameter! He explained that each year, in the middle of March, the plants are "mowed" close to the ground; they then grow many new stems three or more feet long ending with splendid flowers; these are cut with half or three-quarters of the stems, two eyes below the cuts again sending flower-bearing long stems, I commented on the absence of those long sterile suckers we generally see on Hybrid Perpetuals in midsummer, and my host replied, "The plants are kept too busy blooming to waste their energy on suckers!"

This particular field was of Ulrich Brunner. Other varieties doing splendidly and "perpetually" under the same treatment were: American Beauty, Baronne Rortbuch, Captain Christy, Duchess of Sutherland, Geo. Arends, George Dickson, Giselle de Paris, Mrs. John Laiing, Suzanne Marie Rodorontachi, Triomph de Carn, Vick's Captivity, Victor Verdier. Among the newer ones, Henry Nevard, John Russell, S. M. Gustave V. and Mme. Albert Barbier. I was also told that budded plants only respond to such treatment.

Climate conditions are also a factor in the recurrence of Hybrid Perpetuals, and where the summers are short, some varieties will hardly have time to reach the second blooming, but in such regions many Hybrid Teas do not fare much better.

The vigorous varieties such as J. B. Clark, Magniflora Frau Karl Druschki, Hugh Dickson, etc., will make splendid pillars seven or eight feet high, although when treated in this fashion they are not likely to repeat as much as when short pruned. However, the effect obtained when planted at short intervals along a driveway will help excuse their sluggishness after that brilliant June outburst. The same pillar treatment may be applied to some hybrids of Rugsos, so hybridized that the Rupia features are much obliterated and the Hybrid Perpetual characters have become predominant: Conrad F. Meyer, Nova Zembla, Turk's Samling, Nemo,
Now you can have the one you've always wanted, right at your door, by erecting only a few feet of lovely Dubois to give the needed privacy.

There's a delightful surprise in store for the woman who thinks she must move to the country in order to have a little garden of her own.

Right at her door—wherever there's a bit of tillable ground—is a potential garden just as secluded and private as she has ever dreamed of.

All that's needed is a few feet of Dubois, the lovely rustic barrier that has made the gardens of France veritable havens of privacy for many years.

It is a beautiful fence in itself, and it gives a service that ordinary fencing cannot duplicate. Strong, unaffected by weather conditions, it lasts a lifetime. Vines cling to it easily and need never be torn down for painting as Dubois requires no upkeep care and is rustproof.

It is easy to erect and your neighbors will be quick to welcome it, so charming and friendly is its quaint appearance.

Dubois is used today all over this country, and in a multitude of ways; as a boundary for large estates; in formal gardens; to screen suburban service and laundry yards; and for transforming city backyards and roof gardens.

Its various applications and charming effects are beautifully illustrated in a new catalog, sent free on request.

There is only one Dubois; it is made by hand in France of split, live, chestnut saplings woven closely together with heavy, rustproof Copperweld wire. It comes ready to erect in sections 5 feet wide, and in three heights: 6 feet 6 inches, 4 feet 11 inches, and 3 feet 10 inches, with quaint gates to match.

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Woven Wood Fence
MADE IN FRANCE

See the Dubois exhibits at leading Flower Shows:

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February 23rd to March 3rd

NEW YORK
March 11th to 16th

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BUFFALO
April 6th to 14th
One of Totty's New Roses

—For connoisseurs, of course, who wish medal winners and rare sorts. Lady Margaret Stewart was awarded the Gold Medal of the National Rose Society of England, and also was the Gold Medal winner at the Bagatelle in Paris, 1928 International Competition. Color ranges from sunflower yellow through cadmium orange. Long buds; sweetly fragrant. See catalog for color illustration and full description. Each $2; dozen $20.

Rowena Thom, Duchess of Athel, Marion Cran, and other new sorts are described in our 1929 catalog. Many are pictured. Prices range from $2 to $3 per plant; $20 to $30 per dozen.

Totty's Best Dozen, a dependable collection which grows well anywhere, includes such favorites as Souvenir de Claudius Pernet, Madame Butterfly, America, etc. One collection makes a good rose bed; two or three collections will make a rose garden. Guaranteed to give satisfaction. Price $10 for each dozen strong plants.

TOTTY'S 1929 CATALOG describes and illustrates most good perennials, Special sections devoted to Roses, Delphiniums, Rock Plants, Chrysanthemums, etc. More than a hundred well illustrated pages, with 46 color plates. If you have not received a copy, please send us your name and address.

Allison Road
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New Hardy Everblooming Hybrid-Tea Roses

The wonderful advance made during recent years in this popular type of Rose is well exemplified in this collection of twelve varieties of outstanding merit of recent introductions. We especially recommend this "Gold Medal Dozen" to the thousands of our patrons who already have the "Dreer Dozen" in their gardens.

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Mrs. Henry Bowles. Intense brilliant pink with lighter salmon pink stamens. $1.25 each.

Wilhelm Kordes. Rich cupperry red with coppery suffusion overlaying a golden-salmon ground. $1.50 each.
John Russell. Rich, deep velvety crimson. $1.50 each.
Lady Margaret Stewart. Deep sunflower yellow heavily veiled, splashed with orange-scarlet, reverse of petals deeply suffused with carmine. $2.00 each.
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Mrs. A. R. Barracough. Soft carmine-pink passing to yellow, at base of petals. $2.00 each.
Ville de Paris. (City of Paris.) Rich buttercup yellow, fairly double and splendid for cutting. Tall, and a profuse bloomer. $1.50 each.

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Those field-grown ones, having good sturdy roots and two years of successful outdoor growing to their credit.

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HERE is room in your garden, even though it be small, for a Water Lily Pool, or at least for a simple sunken-tub garden. Your Water Lily Pool will quickly become the center of interest in your garden, for the culture of colorful, fragrant, beautiful Water Lilies, interesting, odd aquatic plants and ornamental fishes is fascinating.

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Foliage and Blossoms Magnificent

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E. A. WARD, President

257 Kearney Avenue... Jersey City, N. J.
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Beautiful Lawns with Jacobsen Power Lawn Mowers
FLOWER WORTHIES from the ROCKS

(Continued from page 287)

planting is occasionally necessary with the Mossies. The undimmed brilliant green of the Mossy Saxifrages is a delightful feature of the winter rock garden, and may be enjoyed at any time by turning back the covering or burning of the snow.

What may be termed as the London Pride group of Saxifrages is in pleasant contrast to the Mossy types and demands even cooler conditions, at least in this part of the world. The true London Pride, S. umbrosa, grows like a cabbidge in (England, where it is native, it is known as St. Patrick's Cabbage), edging beds, filling unimportant corners with cheerful green and behaving altogether after the manner of a happy wood. But America is not apparently the choice of its heart. It is a charming thing, however, with a tuft of leaves, dainty grey leaves over which waves in the season a force of delicate stems bearing dainty sprays of white flowers dotted with pink. The stems come up, some ten or twelve inches tall and the whole plant presents a delightfully airy appearance. For the moment a group of London Pride appears to be happy in my garden. It is situated at the base of some rocks (the north side) where the rich English soil does not quickly dry out. Long may they flourish! Allied to the London Pride are S. cuneifolia (itself in miniature) with brassy rosettes, and S. genu. The former at least, is hardy in this country, but I have not had experience with either.

The Encrusted or Saxifrage, S. an- dreanum, is related to this group, being, I believe, a hybrid between S. umbrosa and S. aizoon. It has long thick toothed leaves gathered into a loose rosette, and white flowers dotted with purple on stems six inches or more high in summer. This is a very choice plant, but for some reason it has not flourished with me as cheerfully as many of its kin.

THE POPULAR SECTION

The Encrusted or Silverly section of the family is lighter and the species are at all seasons. To choose among them is difficult. They are plants for ledges, crevices, or the rather steep slopes of the rock garden—not for levels, as they are easily rotted by the action of water and frost among the crevices of the rock. They like sunshine for at least part of the day, and the soil should be light gritty and moderately rich in leaf-mold, with a little added. Stock of these is easily increased by pulling the clusters of rosettes apart and inserting the individuals in sandy soil that is kept a little moist.

The Kabschia, or Cushion Saxifrages, are not for first steppers. Mr. Lown grows them well, but my own overwotowers themselveshave begun too recently to be worth reporting upon. The Mesaria group, with the huge, coarse leaves and lumps of pink bloom in spring, are for anyone who wants them. They are not difficult in any well-drained spot. S. coronifolia is one of the most robust, a fine plant for the wild garden or open woodland, with great trusses of rosy bloom in April. S. aizoon flowers so early that it is often injured by frost.

The double-flowered form of S. granulata, the Meadow Saxifrage, is a pretty and attractive plant for bold places in the rock garden. Its white flowers are borne in April and May. S. fortunei is a lovely species that flowers late in the autumn. It belongs to a group sometimes called two- winged Saxifrages. Japansesaxifrages, with rounded leaves and white blooms that have the appearance of a mass of fringe hanging from the redish stems. It is not hardy in New York.
Since 1848—Quality in Growing Things

Established in 1848, when the nurseryman's stock in trade consisted of many fruit trees, a few shade trees and even fewer shrubs... people in those days wanted edible returns from their home plantings!

Growing, in size and experience, through the days when white oxen were used to turn the soil and release its fertility... today less picturesque but more efficient tractors pulverize the rich earth and make its nourishment available to colorful rows of evergreens, shrubs and ornamental trees.

Eighty-one years of learning how lie back of the quality of Hoyt Nursery stock today. Come to our nursery and see the difference, and if possible visit our exhibit at the New York Flower Show, March 11 to 16; 3rd floor on the 46th Street side. We will display a well-rounded collection of Hoyt evergreens.

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Always Buy Good Nursery Stock

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POWER LAWN MOWER

operates so easily and cuts so smoothly that it is a pleasure to keep your lawn looking like velvet. Two sizes—20" and 27" wide. Can be used to trim around trees, shrubbery and flower beds. Cuts close to hedges and fences.

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COLDWELL L.-WN MOWER COMP., NEWBURGH, N. Y., U. S. A.

On the first Christmas morning a little maid was found weeping. Asked the reason, she said she had no gift for the Holy Babe. The angel pointed to the white flowers of the Christmas Rose and said "take these."

As pure and white as the snow that may cover the foliage, Christmas Roses (Helleborus niger) are fully open when Kris Kringle makes his annual call. Nor do they lose their beauty when cut for indoor decoration.

Plants are perfectly hardy, growing and blooming best in partial shade. For spring planting we offer extra good pot-grown plants at $2.50 each; 10 for $20.

You may order Christmas Rose plants, or the Talisman Rose, direct from this advertisement and be absolutely sure of receiving the finest specimens. Catalogue upon request.

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A NEW TYPE OF MOTOR MOWER
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There's a size and style of Coldwell Power Lawn Mower and Roller at the price you want to pay. Your dealer will demonstrate. Write to factory for descriptive literature.

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A NEW TYPE OF MOTOR MOWER
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The New Hybrid Tea Rose
Talisman
Pink, orange, and scarlet blended in gorgeous beauty. Awarded four gold medals in 1925.

Field-grown plants $2.50 each, 10 for $20.

THE HYBRID PERPETUAL

(Continued from page 194)

Mom, Juliet Poutin, Ruskness, etc. Another treatment very popular in Europe for those ultra vigorous varieties is the corden of the French or "pinning down" of the English: the long stalks are bent down to assume a horizontal position at about twelve or fifteen inches from the ground, being thus held with small pickets. All the eyes along the stalk will grow flowers with long stems, standing at attention like good soldiers. If the cordon is not to be permanent, the stalks can be redressed after blooming and tied up to a stake. Even when pillars only are desired, it is advisable to pin down the long shoots, putting them up again after the first leaves are fully grown. This has the effect of forcing the eyes to grow from the base on; otherwise, the pillar might be bare-legged.

The border lines of the Hybrid Perpetual class are very nebulous and it is hard to decide where it begins and ends, so many botanic species or horticultural types have been used by the hybridizers. Gavereaux, the foremost authority, divided the class into eleven distinct groups and we may well add to these the newer type of so-called Rugosa Hybrids, which are genetically blood relations of the Hybrid Perpetual.

In matter of fact, it is not so much the theoretical ancestry as the practical performance that draws the demarcation line between Hybrid Perpetuals and Hybrid Teas or other classes. J. R. Clark, George Dickson, Magnifican and John Russell, for example, from their pedigree are Hybrid Teas, and Henry Nevard a Hybrid Rugosa, but their performance classes them as Hybrid Perpetuals. On the other hand we have among Hybrid Teas actual Hybrid Perpetuals in ancestry, hardiness, ruggedness, foliage, although their dwarf habit and blooming record are of the Hybrid Tea. These are Mrs. W. C. Miller, H. V. Machin, Mrs. Prentiss Nichols, Lady Alice Stanley, The General, Mrs. Albert Barthet, etc., and should be very popular in the colder States because of their ability to stand severe weather.

European Rose growers, always cognizant of the utility and beauty of the Hybrid Perpetual, never allowed it to lose its importance. In recent years they have given it renewed attention, and we can truly say that we are now witnessing a renaissance of the Hybrid Perpetual. Varieties in much improved forms and novel colors have been produced which I sincerely hope to see in America in the near future. I had noticed this movement in 1923, but in my search for novelties last summer among European hybridizers I was surprised to see the progress made in that line, not only in the North but also in the South along the Riviera and in Spain, that heavenly Rose climate, thus confirming the fact that Hybrid Perpetuals are Roses as much for warm as for cold regions.

Among the recent introductions a few have already crashed the American gates and others are on their way. It is noteworthy that almost all these new Hybrid Perpetuals are descendants of Frau Karl Druschki, and have generally retained to a degree its vigorous habit. They are a new race, so to speak, with the infusion of Perpetiana and other bloods. I have given below a description of a few that I have tested.

Henry Nevard (F. Cant, England). The form of this velvety crimson Rose reminds us of the woodcuts in early catalogs. Nestled in foliage like bouquets of yesteryear in ruffled paper, it is delightfully fragrant. Its many thorns and thick foliage suggest a relationship with the Rugosa. A better bloomer when it is removed.

Everest (W. Eustis, England). A

(Continued on page 208)
**ROSES—Spring Planting**

ROSES by Bobbink & Atkins, our book of Roses, is replete with varieties up-to-date. In addition to nearly a thousand accepted varieties, we have many novelties of distinct merit, described and in color. Correct descriptions are given with comments on their merits and demerits. We feature the new Hybrid Tea Rose, Henry Ford, the popular Wilhelm Kordes, and other varieties of value. A large collection of Standard or Tree Roses is also listed. A copy will be mailed on request to those who intend to plant Roses.

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A complete Catalog of New and Old-Fashioned Flowers, Hardy Cheysanthemums, Delphiniums, Marshmallows, Poppies and Iris, Phlox, Poppies, Rock Garden Plants in large variety. Beautifully illustrated. A table indicating Flowering Period, Height and Color is a feature.

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**BOBBINK & ATKINS, RUTHERFORD, N. J.**

Please mention House & Garden when you write.

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Pronounced by landscape architects to be the most beautiful fencing on the market.

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Bulbs $1.00
Bulbs $1.90
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The Regal Lily, introduced only recently from Tibet, is already the most popular garden plant of today. To celebrate our 75th Anniversary, we are offering bulbs of blooming size, at cost, for a limited time only.
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- Barbara Cummings, Earliest. Clear yellow, shading to orange-bronze center.
- Gypsy Girl, Mid-season. Crimson, shading to chestnut-crimson.

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Because a PENNSYLVANIA quality Mower (any PENNSYLVANIA quality brand) actually sharpens its own blades, requires a minimum of adjustment and repair, and gives many, many years of efficient mowing service, it always costs far less than an ordinary mower in the end. See one today at the nearest hardware or seed store displaying the famous "Old Gardener" sign. You can identify it by its easy-pushing Staytite Handle.

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Find Out What This Greenhouse Costs
YOU may be depriving you-and-ours of what you might just as well be easily enjoying.
Glad to send you cost of this house and our complete catalog which includes glassed-over swimming pools.

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THE RIGHT TOOLS SAVES TIME
SPADING MADE 1/3 EASIER
Long the favorite of expert English gardeners, this spading fork penetrates hard soil with little effort because of the shape of the tines. Times squared, sharp pointed, polished, Shaped, tines and strap forged from one piece high carbon fork steel. Practically unbreakable.
The Brand TRUE TEMPER is burned in the handle to mark each fork as the best tool of its kind that can be made.

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THE HYBRID PERPETUAL

(Continued from page 288)

and the center of the large double bloom is clear lemon, while the outer rim is creamy white. Some scent. A good, healthy plant.

Druschi (Lambert, Germany). A true red Druschi, same form, same size plus an intense perfume. Lambert calls it his best effort since he produced Druschki in 1900.

As I saw it in his fields, it was glorious and promises to do as well in America. May not be as rampant as Druschi but the foliage seems better.


Dot has also produced two climbing Hybrid Perpetuals that are the talk of Roundman, one of these imposed upon the jury of blue rosarians of Bagatelle (Paris) in 1927, and

won the only gold medal ever awarded a climber. This variety was

Mme. Gregoire Staechelin.

Pages could be written to describe Mme. Gregoire Staechelins virtues. A combination of Druschki and Chateau de Clos Vougeot, the long pointed buds splash with maroon open into a large bloom of Druschki size, with a schoolgirl complexion and the intense perfume of Vougeot. As vigorous as Dr. Van Fleet or Silver Moon ever expect to be, the foliage is large and handsome. Does not re-

mond, but the hips in late summer are quite ornamental.

Aphyes Meeres. Called a hardly climbing Souvenir de Claudius Perret.

We may see from the above list of hybrids that the renaissance of the Hybrid Perpetual is general and not only a local sentimental move-

ment. Let America follow.

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— Architects

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— Those who develop forests and woodland for pleasure or profit.

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The Heart of the Rock Garden

Thousands of varieties of new and

untried plants are now being offered for the rock garden. But the real heart of the rockery must be those tried and true varieties that we know will succeed. Here be those tried and true varieties

Sedum Lydium: A charming little redroth that holds first place among rock sedums.


Oianthus Caninus: Cheddar or Rock Pink. Similar to the Clove Pink, but grows in most compact tufts.

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Tunisia half-train: The beautiful grass-like foliage and dainty pink flowers of Tunica may be enjoyed from early summer till late autumn.

Indispensable.

Iris Cristata: Crested Iris of purest sky blue. Grows only about 4 inches tall.

These are rock plants that always satisfy, and we will send you a dozen of each 22 plants for only $1.60. Or, if you want 6 plants of each variety for $3.50.

Have you ever noticed if not, write

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"GROWN IN VERMONT, IT'S HARDY"
THE GARDENER'S SCRAP BOOK

SHRUB CUTTINGS

Those who make a practice of cutting branches of spring-flowering shrubs for forcing in water indoors often find that after the sprays have been in the vases a few weeks they begin sending out roots from their lower portions. In the case of the Pyunwillow, a favorite subject for early forcing, these roots may be numerous and attain considerable size.

Branches which show this tendency not infrequently have it in them to develop into bushes in their own right if given a favorable opportunity. It is worth trying the experiment of shortening their tops about one-third or one-half and planting them out in a sheltered, shady spot where the ground is light and naturally moist or can be kept constantly damp by artificial watering. If they take hold at all they will make enough real roots to justify setting them out in permanent places next autumn.

SOIL FOR SEEDS

It is not at all necessary, or even noticeably beneficial, to provide rich soil for seed sowing, because in their early stages young plants have no need of strong fare. The important thing with practically all kinds is the consistency of the sowing soil, not its chemical contents.

Ideal soil for seeds is light, well-drained, moisture-retentive and easily penetrable by the hair-like, almost invisible rootlets. Germination and early growth hinge upon temperature, moisture and oxygen. All of these should be stabilized and maintained in the right quantity and with the utmost regularity in order to gain maximum results from the seed. Do this, and you will be surprised at the number and vigor of the plantlets which will appear.

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EMILE AUBURN For Cut—Cutters Admire with late Cherry Red flowers; long spikes with 8 to 12 handsome blooms open at a time.

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12 ROSES above list $10.00

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Special Rose Foliage on request

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Creeping Bent—long recognized as the ideal grass for putting greens—is now proving itself a new super-Lawn. Instead of sowing seed, you plant stolons or the chopped grass—and in a few weeks you have a luxuriant lawn like the deep green pile of a Turkish carpet.

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The Newer Shades in Roses

Such as Coral, Old Gold, Saffron, Yellow, Salmon and Terra Cotta are obtainable by ordering Peruvian Roses, and these roses are only a success when budded upon the Stock to which they show an affinity to thrive best upon.

We submit therefore that this discretion is a decided advance and most important factor in producing the popular colors so much in demand at the present day, and we believe the present has not been appreciated by the Rose growing public.

May we send you our catalog?

It is different, as we do not pass along the description of the Hybridizers as the roses grow in Europe but as they grow in our Nursery, always stating defects as well as merits.

ROBERT EVANS HUGHES

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New Bedbugger's seeds grow

The Vegetables and Flowers you would like to see growing in your own garden—read all about them in Burpee's Annual. Burpee's Annual is a fascinating garden book, much more than merely a catalog of seeds and bulbs. It tells the truth about the best seeds that grow.

Market Growers and Florists use Burpee's Annual as a reference book. It is so interesting and easy to read that a million people use it as their garden guide.

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THE GARDENER'S SCRAP BOOK

In this connection, it is interesting to note that over-watering probably ruins more seedlings each year than does an under-supply. The most successful planters are generally those who realize that very young plants can be drowned more easily than they can be killed by thirst.

SUPPORTS FOR TREES

In the general clean-up of the grounds it is a natural temptation to take down the guy wires which have been used to steady and hold straight those trees which were set out last fall and early in the winter. At first thought it may seem that the stock has become firmly established in its new home, for its leaf buds are swelling and there is every indication of awakening life and growth, but such a supposition is not quite justified.

As a matter of fact the trees are very much alive, but that does not mean that their roots have a firm grip on the soil. It takes a full year or more for a good-sized tree to re-anchor itself firmly enough to withstand the buffeting of the winds. To remove the guys before such establishment is complete is to run the risk of the trunk being blown out of the true perpendicular, if not actually flattened by some particularly boisterous gale.

CONIFER LOSES IN SPRING

It is not infrequently happens that the smaller kinds of conifers—especially those which have been planted not more than a year or so and are in exposed situations—are injured by the strong, dry winds of early spring. The damage is not in the form of breakage, but manifests itself in a browning of the foliage and a gradually increasing browning of the twigs and branches. Coming at a season when one naturally expects new growth to be starting, this situation puzzles so many that an explanation of it is appropriate.

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A condensed set of health rules—many of which may be easily followed right in your own home, or while traveling. You will find in this little book a wealth of information about food elements and their relation to physical welfare.

Control Your Weight Without Drugs or Tiresome Exercises

Effective weight control diet not and blind diets. You'll find in this book a wealth of information about food elements and their relation to physical welfare.

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Summer Houses, Rustic Settees, Flower Trellises, Rustic Fences, Bridges and Arbors, Bird Houses Etc.

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Every Rebate Slip Counts As Cash

The Henderson Rebate Slip, when returned to use, will be accepted as 25c cash payment on any order of Two Dollars or over. In addition, we will include with your order our Henderson Specialty Collection of six of our best-known introductions.

Our Packet each of Thompson Tomatoes, Big Boston Lettuces, Early Scarlet, Early Turnip, Coastal Lettuce, Holland, Westmore, and Giant Waved Spender Sweet Peas.

"Everything For the Garden"

is the title of our annual catalogue. For 1929, it is a book of 420 pages, with its beautiful color plates, 144 pages of photographs in various colors, and over one thousand illustrations direct from actual photographs at results from Henderson's splendid gardens. It is the most complete catalogue we ever issued.

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356-37 Cortlandt St. New York

Rare Gladiolus
Gorgeous Dahlias
Pedigreed Dahlia Seed

Produced by one of California's best known originators and growers of these beautiful flowers.

Make your selections now for your garden.

Our illustrated catalog lists the best standard varieties and many splendid new creations. It also includes cultural directions. Mailed free on request.

CARL SALBACH
Originator and grower
453 Woodrow Avenue, Berkeley, Cal.

Plant RHODODENDRONS in the shady nooks

where you have found it difficult to grow other Evergreens. Our Rhododendrons, however, have been grown in the open fields and can be used in open spaces where the soil conditions are favorable.

Write for our General Descriptive Publications on large quantities of our various kinds, Native Foliage, and special prices on our field flowers, nursery plans of Ribes, which will be down for this season's delivery. Or send 25 cents for a copy of our New Catalogue.

TITUS NURSERY CO.
WATNSUNS, VA.
THE GARDENER'S SCRAP BOOK

The trouble results from too much evaporation from the foliage, induced by the dry winds. Were the roots of the trees in active growing condition they could doubtless replenish this lost moisture and save the tree from harm, but in the early spring a condition of practical dormancy still prevails underground. It is a case of taking away that which cannot be put back promptly, and the result is a dead or dying tree.

There is only one way to combat this particular trouble; protect the trees from the sweep of the wind, and spray them at night. Fortunately, the difficulty does not arise every year, or anywhere near it. It is just one of those risks which people living in open, exposed places may have to face sometime. Many a spring passes with no loss whatever from this cause.

CONCERNING LITTLE BULBS

GIVEN a chance, the early-flowering small outdoor bulbs like Scillas and Grape Hyacinths will self-sow quite freely and in the course of a few years greatly increase their original numbers. The seed pods form soon after the petals of the flowers fall and, ripening quickly, split open and spill their contents by the dozen. The round, shot-like seeds send down roots in due course and form bulbs which work their way to the proper depth as they grow and reach flowering size in two or three seasons.

In order for such events to take place, the flowers and the ground around them should be left undisturbed, especially in spring and summer. It will be a good idea to gather some of the seeds as they ripen and plant them in other favorable situations, so that fresh colonies of these welcome little spring messengers may be getting under way.

BUGS need not ruin your beautiful plants, flowers, shrubs and evergreens. Destroy them through the use of Wilson's O. K. Plant Spray . . . the nationally recognized standard insecticide. Wilson's O. K. Plant Spray is non-poisonous, easily applied and is equally effective in-doors or out-of-doors. Recommended by the Officers of The Garden Club of America. Half-pint 40c; Quart $1.00; Gallon $3.00; 5 Gallons $12.00; 10 Gallons $20.00

Then there is Wilson's SCALE-O . . . the powerful dormant spray so necessary to the successful growth of fruit and other trees. Scale-O kills Scale insects and eggs—even in Winter. Mixes readily in cold water . . . covers very rapidly and evenly. 1 Gallon $2.00; 5 Gallons $9.00.

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Dahlias Tuber Labelled

An orderly garden is well labeled; it is neat and instructive, a pleasure to owner and visitors. Use INDESTRUCTO METAL Plant and Tree LABELS

The most satisfactory permanent labels. They are inexpensive; no ink used and names are always legible.

Made in various styles including pot labels and garden stakes. Don't break off or rot like wooden labels.

Send 10 cents, either stamped or post card, for names and sizes.

Ball & Socket Mfg. Co.

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- Amico Brass Pipe
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- Thatcher Rollers & Furnaces
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- Driscoll Portable App Screens
- Hartmann-Suders Building Products
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- Krafife Insulation
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- Masonite Insulation
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- Plaster from Pipe
- Ritter Oak Flooring
- Slesches
- Tidewater Red Cypress
- Union Wall & Ceiling Board

House Building Miscellaneous
- Hodgson Hooses

Lighting Systems & Accessories
- Carlisle Lamps
- Cassley Lighting Fixtures
- de Sheldon's Kitchen Shingles
- Skinner-Hill Lamps
- Story-Rowan Lighting Fixtures

Paints and Varnishes
- Artur Paints

Roofing & Sashings
- Aiken's Rock Gardens
- Amanda Copper & Brass Pipe
- Balsam Wood Insulating Material
- Cabot's Stoves
- Cincinnati Iron Railings
- Driscoll Portable App Screens
- Hartmann-Suders Building Products
- Indiana Limestone
- Insuloid Insulating Board
- Krafife Insulation
- Lambda Doors
- Masonite Insulation
- National Marble Dealers Assn.
- Plaster from Pipe
- Ritter Oak Flooring
- Slesches
- Tidewater Red Cypress
- Union Wall & Ceiling Board

Building Materials (Cont.)

Windows, Doors, Screens, etc.
- Brindley Window Shades
- Brindley Reptileian Window Shades
- Columbia Shade Rollers
- Dealel Window Shades
- Fenestra Casement Windows
- Higgins All-Metal Screens
- Lanovna Casement Windows
- N. V. Wierich Co.
- P. & E. Window Screens
- P. & E. Window Screens
- Screen Manufacturers' Assn.
- Sunlite Window Shades
- Win-Dor Casement Hardware
- Worthington Window Screens

Publishers, Books, etc.
- American Golfer
- Boston Cooking School Magazine
- Garden & Garden Subscription Offer

The Dog Mart & Poultry Yards

Food Products
- Ball of Great Health Foods
- Campbell's Soups
- Dyer & Davis Rug Squat
- Grandine Oiling Tea
- Grenady Cooking Sherry
- Hill's Wine Jellies
- Holloway's London Dry
- Jones Dairy Farm Sauces
- Lewis Sherry
- Nuyens' Vermouth
- Edward Water
- Ruffolo Nespoli
- Whitman's chocolates

Gardening

Seeds, Bulbs & Nursery Stock
- Aiken's Rock Gardens
- Arlington Water Lily Gardens
- Barnes Bros. Nursery Co.
- Barnes Nursery Co.
- Bridges & Conos
- Burgundy Seeds
- Burgundy Seed & Plant Co.
- Cape Cod Nurseries
- Champion View Gardens
- Champlain Flower Gardens
- Cape Nursery Co.
- Conard Pyle Star Rosas
- Coddled Nurseries
- Dinger & Conos Rosas
- Dyer's Roses
- Edinham Lithium
- English Geraniums
- German Seed & Plant Co.
- Hen's Head Rose
- Harris Seeds
- Horstman's Cornflowers
- Horste's Lilies
- Hunt's Lilies
- Johnson's Water Lilies
- Kundert Gladiali
- Little Tree - Residential Sizing
- Mayfair Nurseries
- McCallum's Green Grass Seed
- National Landscape Service
- Narpros Nursery Stock
- Oregon Gardens
- Phip's Farm Gardens
- Robert E. Hughes Roses
- Sibella, Garry
- Schilding's Seeds
- Scott's Cabbage Beet
- Storms & Harrison Nursery
- Stubbs & Wolferth Seeds
- Tims Nursery Co.
- Tony's
- Walasee Gardens
- Ware's Wire Fencing
- Witherick's Flowering Trees

Garden Furniture, Fences & Decorations
- Anchor Frames
- Callicoma Wood Fencing
- Cyclone Fence
- Haberdash Birdhouses
- Dufias Wood Fence
- Grisly Pottery
- Page Fence
- Saxony Chain Link Fence

Gardening, Miscellaneous
- Acme All Round Spray
- Atkins & Dufias Pot Moss
- Brewers Pottery
- Wilson's Oil Plant Labels
- Wilson's O. K. Plant Spray
- Wilson's Scale-O-G

Gardening (Cont.)

Lawn Mowers
- Coldwell Lawn Mowers
- Conover Power Lawn Mowers
- Davis Lawn Locomotives
- More-Mower Co.
- Supra-Macy Lawn Mowers

Greenhouses
- Lord & Burnham Greenhouses
- Lutton Greenhouses

Sprinkling & Water Systems
- Climax-Rotary Sprinkler
- O-Lehcretic Water System
- Double Rotary Sprinkler
- Krusen High Pressure System
- Thompson Sprinkling Systems

House Furnishings

China, Pottery & Glass, etc.
- Carbolite Italian Pottery
- Flummer's China & Glassware
- F. Schonhammer & Co., Tapistry Fabrics
- Sargent Locks & Hardware

Decor & Upholstery Fabrics
- Altman's Upholstery Fabrics
- Fudd Drapery Fabrics
- J. H. Schumacher & Co., Tapistry Fabrics

Furniture & Accessories
- Heathfield Furniture Unit
- Jackson Fireplace Fixtures

Floor Coverings
- Biplow-Hartford Carpets
- Congress Casuals Looked Linoleum Facing
- Dura Gloss Rug Anchor
- Gooseneck Rubber Blinds
- Mohawk Rugs & Carpets
- Old English Rugs
- Oriental Rugs
- Peti Rugs
- Reeds & Barton Silver

House & Garden Miscellaneous
- American Golfer
- Boston Cooking School Magazine
- Garden & Garden Subscription Offer

Miscellaneous
- House Furnishings (Cont.)
- House Furnishings, Miscellaneous
- Buckwell Casters
- Burleigh & Son Sterling Blanks
- Columbia Shade Rollers
- K-V House, Closet Fixtures
- Old English Flask Wax
- Xenex Furniture Cream

Silverware
- Black, Starr & Frost
- International Sterling Silver
- Reed & Barton Silver
- Towle Silver
- Treasure Silvered

Jewelry & Gifts
- Black, Starr & Frost
- Kienel, Chas.
- International Sterling Silver
- Reed & Barton Silver

Real Estate
- Battle Creek Health Builder
- Health Extension Bureau
- Kathryn Murray Facial Exercises
- Safety Health Bureau
- Sedgwick Inland Elevator

Musical Instruments & Radio
- Orchestral Victrola
- RCA Radiola
- Steinway & Sons
- Black Concert Grand

Travel Service
- Pages
- American Express Travel Bureau
- American Express Travel Bureau
- Canadian Travel Bureau
- Canadian Travel Bureau
- California Inc.
- Chicago's Famous Cruises
- Clipper Hotel
- Dallards, S. C. Co.
- Frank Tours
- French Line
- Great Western & Southern R. R. of England
- Hawaii Tourist Bureau
- London & Northern R. R. of England
- Los Angeles Railway
- Northern Pacific Ry.
- Plaza Hotels
- Southern Pacific R. R.
- Virginia

Motor Boats
- Chris-Craft Boats & Cruisers

While every precaution is taken to ensure accuracy, we cannot guarantee against the possibility of an occasional change or omission in the preparation of this index.
March, 1929

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