Always a car of restricted ownership — but now well within the means of thousands to enjoy.

The New MARMON VICTORIA for four passengers.
Wherever the Mediterranean influence enters nothing can take the place of colored stucco

YOUR HOME IN COLORED STUCCO

Now, at low cost, you can have this beauty—with complete assurance of strength and durability

To almost every type of home colored stucco brings an added charm.

For the popular Mediterranean style—Spanish or Italian—and the English or French cottage no other material is so beautifully fitting.

You will be surprised to find how economically you can secure the charm of colored stucco plus great strength and permanency of construction—with Bishopric.

Bishopric is a unit-wall construction. It consists of (1) a patented reinforcing base, (2) a stucco, and (3) an attractive color finish. All three materials are designed and made to be used together. They combine to form a unit-wall—not a wall made from miscellaneous materials mixed together.

The result is a coherence and strength of construction obtainable only with Bishopric. The diagram at the right illustrates why this is so.

Bishopric is also economical. The base may be applied directly to studs, producing a stronger, warmer wall than sheathing, metal base, and stucco—and the cost is less.

In addition, Bishopric provides effective insulation, keeping your home warmer in winter and cooler in summer. It reduces your fuel bills and increases living comfort.

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

Send for New Book


THE BISHOPRIC MFG. CO.
208 Ezz Avenue, Cincinnati, Ohio

Enclosed find 10 cents (stamps or wrapped coin) for which please send me your new booklet, “The Renaissance of Colored Stucco.”
Bain de
CHAMPAGNE
AN EXQUISITE BATH AND TOILET PREPARATION
In the recent address delivered by Mrs. Chase, the editor of Vogue, before the Style Committee of the National Boot and Shoe Manufacturers' Association and summarized in a subsequent Vogue Shoe Bulletin, 5 out of 8 daytime models illustrated for the autumn were recommended in kid, in whole or in part.

This confirms what Vici has always claimed—that the enormous favour accorded to kid during the spring and summer of 1926 is no mere fad. Kid has reached the foremost place in the shoe mode by virtue of its smartness, its adaptability and the fact that women instinctively feel it appropriate for any daytime occasion.

ROBERT H. FOERDERER, INC.
PHILADELPHIA

The rightness of Vici Colours

Vici kid colours have been chosen to blend or contrast with every smart shade in the costume mode. Vici Parchemin, Vici Cream, Vici Sudan provide an exquisite sliding scale in the white-beige range for the light but warm-toned summer costume colours. Vici Crystal Grey is perfect for the greys, the blues, the orchid tones. Vici Cochon is the ideal brown for sport.

...From sunrise to sunset, there is always a Vici shoe.

Look for the Lucky Horseshoe

The Vici Lucky Horseshoe, stamped inside your shoe, means that the colour is right—that the quality could not be improved—that the manufacturer who designed the lines of the shoe and the retailer who purchased the model can be depended on to appreciate your standpoint as a smart woman who knows the mode and demands the best... Let your summer shoes of Vici kid develop into a year-round habit!

To put your best foot foremost—put them both in Vici kid!
The Plumber in Your Walls Has Grown

Inside your walls is not only piping but also the plumbing labor that installed it there. This plumbing labor cost has grown tremendously in the last 20 years. Plumbers' wages, like all other wages, have gone up, for plumbers must be skilled and well trained, in order to do the concealed plumbing work demanded in the modern bathroom. Pipes run inside the walls and under the floors nowadays, instead of lying exposed along the wall and across the ceiling.

That is why the labor part of your plumbing bill has grown, and why no house builder can afford to use this expensive and necessary labor on temporary material.

What is "temporary" plumbing material?

Iron and steel pipe are temporary, for they rust and leak after a few years.

The only way to be sure that your plumbing is in to stay is to use brass pipe that will never rust.

CHASE COMPANIES, INC.
WATERBURY, CONN.

Alpha Brass Pipe contains more copper, resists even corrosive waters, makes better leak-proof joints, is trademarked on every length, is guaranteed and nationally known and sold.
DISTINCTION characterizes Indiana Limestone houses, be they large or small. It is something to be known as the owner of "that attractive stone bungalow down the street." And it is something to know that this same beautiful little bungalow, through and through, is substantial and solid and secure, constructed of the one building material which Time cannot destroy.

In the years to come, it will prove to be a constant source of satisfaction to observe how this natural stone weathers all extremes of heat and cold, and how it defies the action of frost and moisture. It will be a source of joy and pleasure to see its beautiful, light color-tones take on that golden mellowness that makes old stone walls charming.

The most economical form of stone construction is a facing of rough-sawed Old Gothic Indiana Limestone applied over ordinary stud frame walls. The Old Gothic variety includes stone of buff and gray shades, and of various textures. Laid up as a Random Ashlar, it produces extremely beautiful and interesting wall effects.

Treated strictly as a masonry job, this form of construction makes the cost of a house only 5% or 6% more than one faced with brick, and puts a stone house within easy reach of all prospective builders who value quality in the materials they select.

A folder containing descriptions and floor plans of five Indiana Limestone bungalows will be sent free, upon request. Or our Portfolio of House Designs, containing descriptions and floor plans of sixteen moderate-sized houses designed to be built of Indiana Limestone, will be sent upon receipt of 50c. The coupon below is for your use in ordering either one or both of these publications.

INDIANA LIMESTONE QUARRYMEN'S ASSOCIATION
Box 782, Bedford, Indiana

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

Indiana Limestone Quarrymen's Assn.
Box 782, Bedford, Indiana

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

NAME

ADDRESS

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

NAME

ADDRESS
COUNTING THE KNOWING ONES

ROSE turned triumphantly to Ann, as they viewed the passersby from the point of vantage of their Boulevard table.

"That makes two for me and one for you," she said.

"What are you counting," inquired Peter languidly, "grandmothers dressed as flappers?"

His question passed unnoticed as Ann said indignantly, "Why, Rose, you're forgetting that stunning French widow I pointed out at the Ritz yesterday."

"Oh, if you're going back to yesterday, how about the Russian actress I discovered on the steamer?"

Peter was becoming peevish. "Would you mind expediting your conversation?" he asked. "There hasn't been intelligible remark passed at this table except by me."

Rose apologized. "Sorry, old thing, but Ann and I have been counting the women in Paris who wear Pedemode shoes."

"How can you tell — do you pick up their feet?" Peter's bewildered query.

"How can you tell a man has an English tailor, if you don't know, don't you?" asked Ann scathingly.

Pedemode
Shoes for Women

The Pedemode Shops

NEW YORK 570 FIFTH AVE.
CHICAGO 76 E. MADISON ST.
BOSTON 360 BOYLSTON ST.
CLEVELAND 1708 EUCLID AVE.

Cincinnati Smith-Kassen Co.
Memphis J. Goldsmith & Sons Co.
Milwaukee Canzani & Virmont Co.
Newark L. Bamberg & Co.
New York L. Livingston
Newark Kert Dry Goods Co.
Oklahoma City Thomas Kilpatrick Co.
Omaha Joseph Homer Co.
Pittsburgh

Portland, Ore. Knight Shoe Co.
Richmond Seymour Syde
Salt Lake City Walker Bros. D&G
San Francisco City of Paris D&G
Spokane Davenny's Hotel Spot
St. Louis Stix, Baer & Fuller
Toledo Lamber's

JULIUS GROSSMAN, INC., BROOKLYN, N.
The Midsummer Sale of Macy Furniture is of extraordinary interest

This great event, continuing throughout the month of August, finds us with large, newly assembled stocks of furniture for every scheme of decoration, for every type of home, however simple or pretentious. The Midsummer Sale is unusual for the variety of choice it affords in each kind of furniture; suites or separate pieces for every room in the home, to suit every preference.

A large collection of fine dining room furniture is an important feature of the Midsummer sale. Nearly one hundred matched suites, which may be purchased as sets or as separate pieces, are presented. Ten piece suites range in price from $149.00 to $1772.00. Then too, there are lovely collectors' pieces of fine old woods, and reproductions that are amazingly faithful in every detail. Gay painted furniture for the breakfast room is another attractive grouping for the Sale, offering a five piece suite for as little as $28.50, a ten piece one for as much as $371.00.

Macy's
34th St. and Broadway, New York
"Some tough detour between here and Jonenville, eh? Coming up this morning I spent more time in the air than I did on the wat."

"That so? It didn't seem so bad to us—but then, we're riding on Kelly-Springfield Balloons."
THE FAMILIAR PHRASE
AS GOOD AS BUICK
SUGGESTS THAT YOU
SEE AND DRIVE THE CAR
THAT OTHERS USE AS A
STANDARD OF COMPARISON
BEFORE YOU SPEND YOUR
MONEY

WHEN BETTER AUTOMOBILES ARE BUILT - BUICK WILL BUILD THEM
COLOR is the very life of stucco! And here it is in all its warmth and beauty — suited to your style and purpose — in Oriental Stucco. Combining this long-sought ideal of vivid charm with all the lasting properties of rock, Oriental Stucco places at your command every value of durable, adaptable and attractive material. Never have such beautiful effects been so simple, so certain, so easy of achievement as with Oriental Stucco. This is because every ingredient, including the color, is scientifically proportioned and machine mixed-in at our mills. It needs only the addition of water at the job. Fill out and mail the coupon for detailed information, color charts and descriptive literature showing beautiful effects with Oriental Stucco.

Oriental Stucco Finish Coat is supplied in eleven mineral colors and white at Building Supply Dealers, everywhere

UNITED STATES GYPSUM COMPANY, General Offices: Dept. 231, 201 West Monroe Street, Chicago, Illinois

ORIENTAL STUCCO EXTERIOR STUCCO

72 designs from National Architectural Prize Contest have been compiled in an attractive book. Send $1.00 and this coupon to Fireproofing Dept. Z, U. S. Gypsum Co., 205 W. Monroe St., Chicago, Ill.

U.S. Gypsum Co., Dept. 231, 203 W. Monroe St., Chicago

I am interested in Oriental Stucco. Send folder showing colors of Oriental Stucco Finish.

Name
City State
Comfortable Furniture made in our Workrooms and Covered as You Desire

Grace, luxurious comfort, fine workmanship — these characterize the furniture from our workrooms now shown in a collection greatly enlarged for our Centennial Year. Reading and boudoir chairs, slipper chairs, couches, love seats and chaise longues, in a variety of attractive designs and coverings. Any piece may be selected at the muslin price and covered as you desire with only the additional cost of the fabric — an advantage you will appreciate in carrying out the decorating plan of any given room.

SIXTH FLOOR

Lord & Taylor

FIFTH AVENUE NEW YORK

SELECTIONS MADE NOW WILL INSURE PROMPT DELIVERY FOR FALL
We Americans are making a discovery—that in the works of our early American craftsmen we have a rich and lovely inheritance of truly American beauty. We have discovered that back before the 1800's our forefathers built homes, designed furniture and wrought their silver in a style that is very much our own. In beauty of line, sense of decoration, sincerity of materials, the Early American Style is one that expresses cultured good taste and intelligent interest in home decorations that we Americans are again evidencing, as never before.

Of all the fine old things that have come down to us from our early American homes, the rarest is silver. Outside the priceless collections in our museums little remains. But how exquisitely wrought these old pieces are, quaintly individual, beautifully proportioned! Their appeal is strong, not alone because they are so distinctly American, but also, because of their downright beauty.

It is to just such pieces in the collections of old silver shown in the Early American wing of the Metropolitan Museum in New York and the Boston Museum of Art, that we have gone for
The inspiration of our new pattern, shown on these pages. Because it so closely re-expresses the spirit of the early American artist-silversmiths we have named it as we have—"Early American"—a tribute to their craftsmanship. Could you imagine a more appropriate pattern of table silver for our modern homes which go back, as does this new design in "Treasure" solid silver, to the inspiration of early American days and ways?

The old silversmiths made only spoons and a few incidental pieces in flatware, but in the "Early American Style" every requirement of the most exacting hostess will have its individual piece, in the same charming, authentic design—the same precious metal through and through—and plain or engraved, to suit the individual taste. The finish of every piece would cause even Paul Revere himself a famous silversmith—to be generous in his praise.

Do you love the charm of "Early American"—then you will want to see this new silver spread before you at your jeweler's. Please write us for Brochure B—H & G

ROGERS, LUNT & BOWLEN
SILVERSMITHS
Truro, Mass.

IN TREASURE
SOLID SILVER
The Early American Style

It is Sterling—more can not be said

EARLY AMERICAN STYLE—PLAIN
QUIET, AUTOMATIC WINTER HEAT—equip your home with this perfected oil burner

The May owes its quietness to its improved construction. It never interferes with the ordered comfort of your home. Besides this feature, the Quiet May offers all the other advantages over a coal furnace that the most highly perfected oil burner could give. It assures even, automatic heat in every room—without worry, without dirt, without the constant expense and annoyance of keeping a furnace man on the job. Our special payment plan installs the Quiet May in your home for only $50, the balance to be paid over a long period.

This simple test will demonstrate why the May is quiet: Purse your lips, blow air through them—and you whistle. Open your mouth wide and slowly expel the same amount of air—and you don’t make a sound. This is the Quiet May principle of supplying the required amount of air to produce noiseless combustion of the oil.

The Quiet May conforms to all local fire regulations. It is listed as standard by the National Board of Fire Underwriters. It is automatic. When you have set the thermostat for the temperature you wish, you are free from heating worries for the rest of the winter. Your home will be kept at that temperature no matter how much the weather varies outside. All that you have to do is to see that your oil man fills the tank regularly. The Quiet May is of the simplest construction possible. It has no complicated mechanism to require adjustment.

The Quiet May eliminates the dirt and ashes of a coal furnace—keeps your basement in spotless condition. It really gives you an extra room. It permits you to convert your basement into a pleasant billiard room, a playroom, or anything you wish.

Decide now to settle your heating problem forever. Let us tell you how easily you can install the Quiet May under the terms of our payment plan. The Quiet May can be installed with your present heating plant—whether steam, hot air or hot water. Mail the coupon today for complete information! Address May Oil Burner Corporation. Factory and Main Offices, 331 Madison Ave., New York; 1020 Commonwealth Ave., Boston; 2401 Chestnut St., Philadelphia; 503 Security Bldg., St. Louis.

INSTALLED FOR $50 DOWN
MORE THAN A YEAR TO PAY THE BALANCE
A Delightful Blending of Hospitality and Stateliness

One lingers a little longer over the coffee ... foods seem to have added zest and piquancy ... amid friendly surroundings such as these.

The Period of this stalwart suite is Charles II ... the finish is water proof lacquer, in a velvety-brown antique effect. Solid American Walnut is used exclusively, enriched with mottled overlays of burl redwood.

The "Carolean" suite illustrated is one of a group of beautiful Dining Suites illustrated in the brochure, "Dining Rooms of Distinction." May we send it?

KITTINGER COMPANY • 1895 Elmwood Avenue • Buffalo, N.Y.
THE DINING ROOM

Nothing is more annoying or more embarrassing, especially with guests present, than a cold or chilly dining room. Such a thing is contrary to the best health rules and decidedly a faux pas in society.

And who wants to shiver through a full course dinner—or what hostess wants to be constantly embarrassed when entertaining.

With Aero Radiators on the job you are assured constant comfort, an even, steady flow of healthful warmth, absolute cleanliness and general self satisfaction in poise, dignity and peace of mind.

Yet all of this does not recount the beautiful, graceful slender lines and the pleasing proportions of Aero Radiators nor the fact that with all these advantages Aero Radiators still sell at the same standard price as the old radiator types.

Discuss them with your Heating Contractor or Architect.

NATIONAL RADIATOR COMPANY

JOHNSTOWN, PA.

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

BERAUTY and WARMTH with

AERO RADIATOR
Brass Pipe Increases Appraisal Values

The appraiser looks for permanent values written into the specifications, and is quick to recognize the quality of Anaconda Brass Pipe in determining the loan value of the house.

In installing water supply pipes, the largest single item of cost is labor. With experienced labor and Anaconda Brass Pipe, the installation expense will be incurred only once. Anaconda Pipe cannot rust. Under normal conditions it lasts as long as the house, without any expense whatever for repairs or replacements.

Anaconda Brass Pipe can be installed for hot and cold water in the average $15,000 house for $75 more than the cost of iron pipe—yet it saves its cost many times over through added convenience, and increased resale value.

THE AMERICAN BRASS COMPANY
GENERAL OFFICES: WATERBURY, CONNECTICUT
Offices and Agencies in Principal Cities

ANACONDA BRASS PIPE
Installed by Leading Plumbing Contractors
STEEL—the one great structural material, famed for its rugged strength and durability—is the foundation of the WHITE HOUSE Line.

WHITE HOUSE Units are the last word in modern kitchen and pantry equipment. They are the logical solution of the sanitation problem and the most economical you can buy. Of rigid, welded, patented construction throughout, they offer the very type of lasting efficiency the modern home demands.

Units are furnished complete—ready for installation, to fill any given space. No hardware, glazing or painting necessary. Regulation kitchen dressers, broom closets, sink units, storage units, etc., are carried in stock for immediate shipment. Catalog and photographs upon request.

JANES & KIRTLAND, Inc.
133 West 44th Street
New York City
The Refrigerator Joins the Kitchen Circle

EVA WILSON, B.A., M.A., Welcomes the Electric Refrigerator

EVA WILSON, B.A., M.A., is Instructor in Household Arts in the School of Household Arts of Teachers College, Columbia University, New York City. She has been particularly happy in spreading the gospel of proper kitchen planning. Many of her students, from all parts of the world, have become expert kitchen engineers, because of their thorough researches with Miss Wilson. She contributes to many domestic science journals.

"Bring the refrigerator into the kitchen circle," urged Eva Wilson, B.A., Instructor in the School of Household Arts, Columbia University. We had asked her, "How may kitchen planning be improved?"

"Invite the refrigerator," she continued, "and leave the remote fastnesses of the kitchen entry and inhospitable porch, and place it in the kitchen exactly where it is needed. With the electric refrigerator, our planning need no longer begin with the ice-man. Now your chief objective may well be proper kitchen routing."

"And what may routing be?" we inter- 
sed.

"You will understand," she pursued, interestingly, "by glancing this plan. The food is brought into the kitchen and unpacked on the kitchen-cabinet table. It then goes into the electric refrigerator. Here it is conveniently near the range, for food preparation. Here it is well placed to receive the food after it has proceeded along its path from serving table to dining room, and back again from dining room."

"This is routing— the grouping of equipment, according to kitchen processes, to save effort, time and labor. It is easy to see how the electric refrigerator, by eliminating relay races in, out and around the kitchen, contributes to kitchen planning, isn't it?"

"There is no ideal kitchen. Yet, I find that electric refrigeration brings kitchen layouts much closer to the ideal."

Already, certain facts are emerging about electric refrigerators. One certain electric refrigerator is being sold by more electric light and power companies than any other. Its sales have increased 2000 per cent in one year. Why? Tests show that Servel uses a more effective refrigerant, starts and stops less often, requires less service attention. Have your Servel dealer explain the "why" of Servel. Let him show you Servel's refrigerator, 10 degrees below zero. See him pour water on it; instantly the water turns to ice. . . . There is electric refrigeration, and there is Servel Electric Refrigeration. Be sure to investigate the difference.

A good reason is not a good excuse

THERE is plenty of reason for the millions spent in repairing the damage done by leaking water pipes. As long as the builders of homes, stores, factories and office buildings practice the costly "economy" of installing inferior pipe, so susceptible to rust, leaking pipes will continue to levy their toll in the shape of plumbers' and plasterers' bills, damaged walls, furnishings and goods.

But there is little excuse for such waste. Ask your plumber, architect or builder about the rust-resisting qualities of Reading Genuine Wrought Iron Pipe. He will tell you that on the cost-per-year basis Reading costs less than the cheapest pipe you can buy.

The high resistance to corrosion offered by Reading Genuine Wrought Iron is your one and only insurance against leaking pipes.

READING IRON COMPANY
READING, PA.

World's Largest Manufacturers of Genuine Wrought Iron Pipe

Boston  New York  Philadelphia  Baltimore
Pittsburgh  Cincinnati  Chicago  Seattle
St. Louis  Los Angeles  San Francisco  Dallas

Look for the name "Reading" and the spiral knurl marking.

READING PIPE
GENUINE WROUGHT IRON
T HIS charming group is not only representative of the superlative work of our late 18th Century American cabinet-makers but also of the discriminating choice in design that characterizes all Kensington reproductions. The sideboard is an exact copy of an old New England piece, most entertainingly inlaid with the eagle, shield and star that mark it definitely as American. The two-part dining table is as flexible as any modern form but infinitely more interesting and decorative; and the saddle-seat chairs, from an example in the Metropolitan Museum, are as comfortable as they are delightful in line and proportion.

Made by hand throughout of beautifully figured mahogany, and finished in the rich, mellow tones of old wood to withstand both heat and dampness, these pieces are as fine examples of the cabinet-maker's art as any age has produced, while practical considerations make them decidedly preferable to antiques.

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"
Even modest homes may be trimmed with McKinney Forged Iron Hardware

A contribution to the art of Better Home Building

Distinctive as forged iron hardware is, desirable as it has always been for those who seek to avoid the commonplace, it has only now become really available for homes of moderate size.

Forged iron hardware has been for centuries the work of skilled artisans. The cost of producing individual pieces was so high as to make it beyond the purse of all but a comparatively small number. And modern building methods and materials made it necessary to have every piece especially made to fit the circumstances.

But McKinney, with resources growing out of more than sixty years of association with the building field, has brought about an innovation of great importance.

After many months of fullest research by eminent architects, the best and most typical designs of forged iron hardware, developed by metal craftsmen throughout several hundred years, were agreed upon, and from these, four master designs were decided upon to form the basis of McKinney Forged Iron Hardware.

The skilled McKinney organization already had complete understanding of all essential building problems. Long experience with architects, builders and hardware men assured solution of the ordinary difficulties of application. And the result has been the creation of forged iron hardware authentic in every detail of design adapted to all building requirements, and on display by leading Builders' Hardware merchants at prices which bring it in range for homes of moderate size.

The four master designs of McKinney Forged Iron Hardware are known as the Heart, Tulip, Curley Lock and Etruscan. Of these, the first three are typical of English and Colonial ironwork. The Etruscan embodies the essence of the many beautiful designs produced by Southern European nations during the sixteenth, seventeenth and eighteenth centuries.

In each of these is exemplified the type—rugged, yet malleable qualities of the steel metal itself.

Without having a single special-order made, you may equip your house from cellar to garret, the essential pieces for every purpose. There are storm and casement window bolts and fasteners, strap hinges, entrance door sets, gate and garage hardware. For interior use there are the famous H & L hinge plates, door pulls, knobs, catches, and door latches and drawer pulls.

McKinney Forged Iron Hardware is proofed in three different finishes: Dead Iron, Rusty Iron, Relieved Iron—also referred to as Gray Iron, Flemish Iron, Swedish or Polished Iron. Every piece is available in any of these beautiful finishes.

Send for this Beautiful Free Brochure

To make possible a thorough appreciation of the varied uses of Forged Iron, McKinney offers a beautiful new Brochure. It presents two studies showing authentic applications of Forged Iron Hardware to four main types of entrance doors, French doors, two types of casement windows, cabinets, gates and garages. Send for this Brochure at once. Visit your Builders' Hardware Merchant, make your selection. If he has not yet received his stock, let us know.

SEND THIS COUPON TODAY!

[McKinney Forged Iron Hardware Advertisement]
To the single bay window that contains a cushioned seat an unusually charming effect can be given by the addition of curtains and a valance, especially where the window is in a country house bedroom. There is something about the arrangement which demands informal treatment and is most effective when it frames an attractive outdoor view.

The curtains and valance can be linen in a solid color to tone with the general scheme of the room, and edged with a short cotton fringe so as to be readily washable. The valance is slightly curved to give greater height and variety of line. Cushions and a pillow or two contrasting colors complete the scheme with the exception of linen cupboards below the seat—always a worthwhile convenience.

Those whose hobby is the fitting up of their homes with objects that are unusual and in good taste know that a trifle of ingenuity, plus a small measure of time and expense, often produces results which only a large sum could purchase in their completed state. Besides the attractiveness of the finished job, such practices...

UNIQUE
BRONZE DOLPHIN
A STRIKING AND
MOST UNUSUAL
FOUNTAIN FOR
A GARDEN WALL
Height, 16 1/2 in.
CAST AT THE FOUNDRIES OF
GORHAM
Bronze Division
Providence, R. I. New York, N. Y.

Small Bronzes

Exclusive line of About 1,000 bronzes. Illustrated book of prices and specifications. Phone Plat 9817. Address: Hardinsburg, KY.
Charming colourful knives, forks and spoons

direct from Paris
especially imported for the summer home.
$5 for six of either in Coral Pink
Leaf Green
French Blue
Lapis Blue
Pale Amber

$5 for six of either

The latest model and best quality made in France to-day. Gold metal blades, iron handles. Order now from:

MRS. E. M. CARLETON
21 East 55th Street
New York

COUNTRY cottage curtains, especially those in the little shacks where we spend perhaps a few weeks each summer, are subject to conditions before which any but the most durable of fabrics soon lose the qualities which first commended them. Stress of sun and sudden showers, plus an unavoidable lack of care through a large part of the year, demand a sturdiness of more than ordinary extent.

To such curtain uses modern oilcloth lends itself admirably. In the larger stores it is now possible to secure this once lovely material in a gratifying gaiety and variety of design. One may not catch it with tiebacks, perhaps, but when hung in straight folds from a simple cornice it leaves nothing to be desired.

We have a fine showing of this famous Indian Ink decorative in Coalport China. The Cup and Saucer is priced $2.00 and the Sandwich Plate $3.50. The excellency of good English bone china is appreciated by all lovers of the beautiful.

If you are thinking of moving to Hamilton this summer, come and see us.

HERBERT S. MILLS
11 King St. East
HAMILTON, CANADA

Hand-wrought Silverwares

Asheville Silvercraft

224 East 57th Street—New York

Asheville Silvercraft

Hand Wrought Silverwares

Show in the above group are the following pieces:

15 in. table ... $125.00
8 in. Petite salad plate ... 25.00
6 in. center bite ... 25.00

Specialized in Sun-Farmer Furnishings

民办 to Half the Usual Price

Flowers For Birthdays—or any day!

Let this lovely vase of roses and spring flowers carry your chery message of remembrance on a friend’s birthday—or on one of the many other occasions when only flowers can best express your wish.

$5 Complete

MAX SCHLING, Inc.

New York's Finest Florist

283 Fifth Avenue—New York City

We are constantly Furnishing Prominent Homes, Hotels, Clubs, and Yachts with Distinctive Reed Furniture, Decorative Fabrics, Throw Rugs, and other Exceptional Furnishings of Artistic Charm.

In buying from us you have the Advantage of Wide Assortments in the Very Latest and Smartest Creations of Most Unusual Character. Our Exclusive Designs at Lowest Prices

The REED SHOP, Inc.

13 East 57th Street, New York

Catalogue of Reed Furniture sent for 25c.

Florists, Interior Designers, Dealers, Contractors.

REPRODUCTIONS

of Early American Furniture

such as this Secretary, when finished in amber-maple, have lasting dignified beauty. Headstones exist in Maple and other individual finishes done to order; they’re hand applied, they’re distinctive. Unfinished and finished pieces on display.

Secretary, hand made, solid maple and cherry, exposed dovetail construction, undertone finish, j. c. underling.

York City, fully crated $125.00

Brasserie "G" sent on request

HEARTHSTONE FURNITURE COMPANY
224 East 57th Street, New York

...Maple!

Maple!... Unfrished... Reproductions... of Early American Furniture... such as this Secretary, when finished in amber-maple, have lasting dignified beauty. Headstones exist in Maple and other individual finishes done to order; they’re hand applied, they’re distinctive. Unfinished and finished pieces on display.

Secretary, hand made, solid maple and cherry, exposed dovetail construction, undertone finish, j. c. underling.

York City, fully crated $125.00

Brasserie "G" sent on request

HEARTHSTONE FURNITURE COMPANY
224 East 57th Street—New York

Florists, Interior Designers, Dealers, Contractors.

Reproductions

of Early American Furniture

such as this Secretary, when finished in amber-maple, have lasting dignified beauty. Headstones exist in Maple and other individual finishes done to order; they’re hand applied, they’re distinctive. Unfinished and finished pieces on display.

Secretary, hand made, solid maple and cherry, exposed dovetail construction, undertone finish, j. c. underling.

York City, fully crated $125.00

Brasserie "G" sent on request

HEARTHSTONE FURNITURE COMPANY
224 East 57th Street—New York

Florists, Interior Designers, Dealers, Contractors.
IN every room there is a place for what the interior decorator calls occasional tables. Less professionally speaking, for small, light tables of various types which can be moved about at will to accommodate smoking articles, tea for two, and other transitory uses.

Due to the very nature of such tables, which precludes permanent decorations in the form of runners, lamps, books, etc., they must in themselves provide some ornamental quality. Tops tastefully treated with painted designs are good in the informal country house. In other instances the desired ornamentation can take the form of handsomely grained wood, venerated conventional patterns, or Chinese lacquer in red, black and gold.

A PROBLEM that the radio enthusiast frequently would like to solve is that of moving his set about conveniently so that it can be used in different rooms of the house. With the small portable installation this is easy, of course, but with the large sets it is a different story.

True Reproductions of Colonial and Early American Furniture

Unfinished, Stained, Painted or Decorated to Order

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Work all done in our own studio and personal supervision given on each order.

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This Maple Stretching Table made in any size

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Your grandmother never knew rugs more colorful, more harmoniously designed or more durable than Aunt Nancy Hand Hooked Rugs—made today by mountain folk in the old fashion way. For rug on approval simply specify your color and design, and approximate size. Also give bank reference. Catalog on request.

The Treasure Chest
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AUNT NANCY HAND HOOKED RUGS

From the Blue Ridge Mountains

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MAYFLOWER

Modeled from original plans, 18 inches high and long. Finished in smoky mahogany and all nothing authentically American. All parts jointed. Also similar model of SANTA MARIA. 11 inches long. 65.00

Larger scale models of any particular ship to order.

Bracketed of old SAILORS' SEA CHESTS with trellised fretwork and ornaments. Paste white oil lamps with stripped lamp shades—sprays and paintings.

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IN the title of the above advertisement, a comparison to "My Grandpa's Day," both from originals cut for John Hur- 
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Illustrated list of silhouettes of heads sent on request.

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A Chair of Refined and Graceful Beauty

For bedroom or boudoir. Handsome mahogany chair richly carved with floral designs. Prized by hard wood, the con- struction is rustic. A graceful, beautiful chair. $24 Closed chair.......

Send for Folio "C" and sample book of armchairs.

MULLER BROS.
250 Third Avenue, New York

A Comfortable Easy Chair of Ward Willow

A delightful and roomy lounge chair for warm summer days on porch, yacht, or indoors. Soft deep cushions lavish locations rest. Painted in any color according to your individual taste.

Our sets and odd pieces of Ward Willow furniture are the result of a design by Edward R. Barto & Co., of Cincinnati. It is a model of real quality, in handsome chair... $175.00. For order.

Send for "Epoch," our new book of armchairs.
One solution of the difficulty is provided by an alcove which, set in a main wall, connects by means of doors with the rooms on both sides. Within this the cabinet is mounted on a turntable which can be faced in any direction.

An interesting possibility is the decoration of the inside of the two sets of doors and of the alcove itself. A simple way to obtain such results is to use a scenic design in wallpaper, carrying the pattern across each area successively. The outsides of the doors, of course, are finished like the adjoining walls, and each side fits so closely that when closed it is scarcely noticeable.

As long as tea sets are made in dainty shapes and colors, so long will the temptation to keep them visible at all times be irresistible. Which is quite as it should be, for to the discerning hostess and her guests at least half the pleasure attendant upon tea for three or more hinges on the charm of the porcelain in which the beverage is served.

Now, there is just one objection to the usual plan of setting the tea things on shelf or table between times: cups, saucers, creamers, and her guests at least half the pleasure attendant upon tea for three or more hinges on the charm of the porcelain in which the beverage is served.
and pot are bound to collect dust. Only by shutting them away behind closed doors can their cleanliness be preserved, and closed doors have a way of interfering with one's vision.

To obviate both of these difficulties, and at the same time to enhance the convenience of preparing for and serving tea, an ingenious person designed a little glass-doored tea wagon. Its top carries the usual tray, while a glass-enclosed shelf with drop doors below ideally combines the show case and a practical storage space.

So long as it is carefully chosen, color in the table-ware can be just as pleasing as in the draperies, upholstery or elsewhere in the room. Indeed, the absence of it often produces an effect so characteristic as to detract seriously from the attractiveness which we all like our tables to show, especially at meal times.

In addition to the colors which the patterns of plates and other china pieces usually possess, excellent shades of green, amber and blue may be had in the glassware. These are charming in themselves, and may become even more so when accompanied by the rich metal tones of copper, brass or pewter Colonial candlesticks and flower bowl.
To go back to living standards of the eighties is unthinkable in this day of modern conveniences. And yet in some homes, hand regulation of the heating plant, obsolete since the middle eighties, still is tolerated.

What is the reason? In most cases, simply lack of understanding. Every family wants the comfort of uniform temperature—the happiness of healthful heating—freedom from looking after the heating plant—the fuel saving that results from Minneapolis automatic heat regulation.

These priceless advantages of the Minneapolis are now enjoyed by more than two million people. The Minneapolis starts their day off right—with cheery warmth provided by clock-control which automatically raises the temperature early in the morning. All day long—temperature at just the degree you find most comfortable. At night—automatic lowering of the temperature by means of the clock. Nobody ever touches dampers, drafts, or valves. What a vast change from hand regulation!

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Warm air, hot water, steam, vapor—coal, coke, gas, oil—the Minneapolis is for all of them. You need not question reliability—since 1885 the Minneapolis has proved that. If you are purchasing an oil or gas heating system with automatic controls included, ask if it is Minneapolis-equipped. Take this precaution for your own protection, remembering that more Minneapolis Heat Regulators have been sold than all other makes combined. Mail the coupon for free booklet.


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EDHAM KOLORED SHINGLES on the roof or sidewalls, make the home of home that endears itself to our heart; neighbors welcome it in their district; passers-by stop to admire. They enable you to escape the commonplace; they add a distinctiveness to all types of architecture—palatial residence to modest bungalow.

Thirty-one colors to choose from: soft French Greys, stately Colonial White, Moss Green, Tiled or Wheat Brown as beautiful as Fall fields; the Variegated Shades are a symphony of colors ranging from a shimmering topaz blue, to the rich autumn shades of reds, russets and browns.

EDHAM KOLORED SHINGLES will last a lifetime. They are manufactured in our own mills, from British Columbia Red Cedar—wood endowed by nature with a time-resisting preservative. They are 100% Edge-grain, which insures them against warping, cupping or curling. Each individual shingle, while free from moisture, and the pores of the wood open and receptive to color, is hand-dipped in strong color pigments, linseed oil, creosote preservatives and binder—insuring penetration and permanency of colors.

EDHAM KOLORED SHINGLES on the roof, will last longer than any other roofing. On sidewalls, they cost less than ordinary siding. Their initial cost, plus the upkeep—which is practically nil—is less than the cost of three repaintings.

Your local lumber dealer can supply you with standard colors in 16, 18, and 24-inch shingles—other colors to order. He will be glad to give estimate on re-roofing jobs and remodelling of old homes. You will find the name Edham Kolored Shingles on binder-stick and red-tag attached to each bundle.

Surpassing in scope and freedom any other material now in use, Atlas White Portland Cement transforms concrete into a creative architectural medium. Distinguished form, color and surface textures can now be united at reasonable expense with permanent stability and strength.

The ease of handling and moderate cost of Atlas restores the balance between beauty and economic value. With equal facility, it shapes rugged masses or exquisite details. With Atlas White, refined or radiant color can be achieved, and textures can be produced as delicate or bold as any architect’s desire. Made with Atlas, concrete returns full value for every dollar spent. The Gothic beauty of the Great Gate of Trinity College, Cambridge—built by Tudor kings—could be reproduced today with ageless solidity and strength in concrete made with Atlas.

An American parallel is supplied by the cadet barracks at West Point. Atlas Portland Cement was used to mould cast stone which satisfied the needs of the architects as completely as it met the exacting demands of the Army’s engineers. The proper quality of materials. The proper Atlas Portland Cement chosen for use at West Point made equally desirable and economical all types of concrete construction, and established it as “the standard by which all other makes are measured.”

Between the Atlas plants and the user there is one distributor—the building material dealer—who brings Atlas to the public cheaper than by any method. Any architect, contractor or prospective builder is invited to write to this Company regarding the possibilities of concrete made with Atlas Portland Cement. Please address all inquiries to 25 Broadway, New York.
Amazing Lumber stops heat and cold ... actually saves money

Now...Every home in be summer-cool, inter-warm, quieter, a saving. Celotex is practical for old and new houses alike...

Amazing heat-stopping lumber has made house insulation practical! Architects and other building authorities urge its use. People everywhere are adopting it. In five years, more than 80,000 homes have been insulated this modern way. These homes are cool in summer ... warm in winter ... healthier ... quieter ... stronger and economical to keep up. They mark a new standard of American building practice.

Most heat beats through roofs in summer, causing hot attics. Most heat leaks out through roofs in winter, causing high fuel bills. Celotex applied over or under roof rafters gives the needed protection.

It replaces wood lumber as sheathing, eliminates building paper, gives greater wall strength and adds the insulation needed back of wood, brick and stucco exteriors at no extra cost.

Under plaster, replacing lath, Celotex costs a few cents more per yard at first, but is a great economy always. It means less upkeep expense because of no lath-marks ... fewer cracks.

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

In houses already built, a big measure of this comfort and economy is being secured by lining attics and basements with Celotex. That helps a lot and costs but little.

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Spend a holiday at the luxurious
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A mediocre one! ... 192
pages ... 600 illustrations.

Send for it today!

House & Garden's
SECOND BOOK OF HOUSE
$4, net
SKIN TROUBLE IN DOGS

By ROBERT S. LEMMON

Specific questions on dog subjects will gladly be answered by The Dog Mart of House & Garden. We do not sell dogs or issue any price list, but are always ready to suggest reliable kennels where purchases may be made.

PROBABLY none of the disturbances to which canine flesh is heir is more frequently given a wrong diagnosis, even by supposedly reliable veterinarians, than skin eruptions. Let a dog's epidermis show a little redness or a few pimply sores that keep him more or less constantly on the scratch, and a frightened yowl immediately arises to the effect that "Oh, he has mange!" We must do something right away—it's a terrible disease—maybe he'll have to be put out of the way!" The next move is to plaster the poor beast all over with odoriferous liquid which probably has no other effect than to make the eruptions break out on other portions of his anatomy, followed perhaps by weeks or months of suffering by the dog and, in the end, sometimes his enforced departure from this life as a "hopeless case."

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Eczema is a blood condition often caused by stomach worms, constipation or, particularly in mature dogs, too much starch, heating foods; and it can be cured only by internal treatment. It calls for a change of diet, exercise and dosing with a standard blood-cooling medicine. It is always a good plan to start with a thorough dose of vermifuge. Spring and summer are the usual seasons for its appearance, though some dogs may break out with it any time of year. Other indications of it, besides the skin eruption, are mattly eyes and internal canker which causes scratching and soreness of the ears.

True mange, on the other hand, is due to parasites which bore into the skin, and is treated externally. It is contagious and serious but, as compared with eczema, quite rare among dogs that come from clean kennels.

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Extra fine puppies
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Puppies, sired by Mrs. Wm. Randolph Hearst's Ch. Seminomas, imported, owned by Champion Westminster 1924-20, ex Ch. Carloss of Lead, imported.

Male puppies, 6 mos., imported, sired by Champion of Craft's, Champion Show.

Female, 1 year old, imported champions, price $250.

Also some Scotties
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How to ask Questions about your Garden

For the benefit of its readers, House & Garden maintains a Garden Information Service. It is glad to put its knowledge at your disposal. There is no fee for its advice.

But to enable us to answer your questions intelligently and helpfully, you must give us full information about your problem. We urge you, when you write, to bear in mind these points.

How to help Us

When advice is wanted concerning the identity of plants or plant pests, send accurate descriptions.

When advice is wanted concerning the care or cultivation of plants, describe all the factors in the case—soil, exposure, climate, and the exact variety of the plant.

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front every standpoint. Hodgson Sectional Poultry Houses are most convenient and economical. Carefully constructed of sturdy varnished-cedar. Attractively painted and stained. Easily erected without skilled labor. There are Hodgson Poultry Houses for every requirement. Send for catalog V today.

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Our properties include apartments including one- and two-bedroom rooms, modern buildings, private water system, hunting and fishing, boating and bathing. An exclusive Estate for a man of moderate means. Full information on request.
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REALTORS

Real Estate
Supplementing the advertisements in these pages, House & Garden offers the services of its Real Estate Bureau. If the properties you want are not listed here, let us put you in touch with responsible parties who have them for lease or sale. Address House & Garden, 19 W. 44th St., New York.
A nation-wide movement for better homes is now under way. Better building, proper architectural planning, adequate equipment, good furnishing and decoration, labor-saving gas, electric and oil devices, radio—all will be demonstrated for the education of the prospective home owner in a series of model homes now under construction throughout the country. The first six will soon be open to the public. The materials and equipment used in these model homes are recommended to the prospective home-builder.

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Tile Roofed Homes are Cooler in Summer

The heat-resisting quality of Imperial Roofing Tiles is evidenced by their extensive use in tropical and semi-tropical countries. Throughout Florida and Southern California, as well as in Cuba, Porto Rico and the Canal Zone, roofs of these colorful, everlasting tiles are affording welcome protection from the burning sun.

Imperial Roofing Tiles also are impervious to cold. Thus they keep a home much warmer in winter, cutting heating bills appreciably.

Our illustrated color brochure, “The Roof,” may give you many helpful ideas for your new home. It is sent for 25¢ in coin or stamps to cover postage and handling.

Address Ludowici-Celadon Company, Room 110, 104 South Michigan Avenue, Chicago.
When someone harnesses sunlight
—then I may give up my Oil-O-Matics"

JAMES OLIVER CURWOOD measures the full comfort of a home

You may think you really know comfort in your own home. But have you ever been in Curwood’s? In his place tranquillity must be the watchword. You’d like it to be in yours. But no home annoyed by a coal furnace could be a fit place to write. Or, as millions are learning, even a fit place to live!

For, once you have oil heat, you’ll admire your own patience for ever having put up with coal. Ask Curwood!

One Oil-O-Matic in a vapor system heats the seven rooms in Curwood’s studio.

Perfect heat in 18 rooms is the result of one Oil-O-Matic in Curwood’s home at Owosso, Michigan.

E folks of a furnace would be sure to clash with any temperament like Curwood’s. Enjoy trips in the big timber—yes. But in the solitudes of his home or studio—never! In this, he is like any other man. Comfort is a matter of physical home is just as well kept as the quiet camp without the trout stream, without the deer.

Temperature Never Varies

Curwood may or may not know how his burner works. Or what’s under the hood. He doesn’t have to look at it. He does know that there is no part inside the firebox and a special reason for it. He has confidence from experience that the safety devices will not fail him. For no part of Oil-O-Matic can work unless all are working right.

Operating Cost Is Lower

With such service as Curwood’s being duplicated in so many thousands of homes, it is a cautious man, indeed, who would seek further encouragement to act promptly. There is a trained oilomatician in your community, however, who will gladly go into all the details with you. He welcomes those who prefer to buy out of income rather than capital.
The woman who spends money wisely on her clothes is the woman who never buys a mode that's going—or one that's coming too fast. The mode that's going will be gone before her dress is worn out. So will the mode that reaches its peak too quickly, because it will be over-popularized, reproduced in cheap copies—and killed.

The mode to buy is the one that is on the up grade, and worn by the right people.

Vogue mirrors these women, follows them as they move from place to place, chronicles their fads, sketches their clothes. Every bit of Vogue's experience goes, not only into the magazines where you can read and look at it, but into Vogue Patterns where it's turned into tissue paper and slipped into a little grey envelope. Vogue Patterns are not made for the average woman. She would think them too advanced, as well as too expensive. They're made for the woman who wants to look like the chic Parisienne, the smart New Yorker, no matter where she lives.

Vogue Patterns are gifted with almost the power to talk. Because the envelopes have cutting charts on their faces and fitting charts on their backs. If there's any new little trick in the dress, it will be explained clearly in a detail sketch; if there's any point to guard, it will be marked with a danger signal. Such advice from any good dressmaker would be worth paying for; but, from Vogue, it's worth its weight ten times over in the worry it removes from your mind. No wonder you feel "dressed by Paris" when you're through at List, and staring in the long frank mirror that has never told a lie!

Why don't you go to the nearest Vogue Pattern store today and ask to see the Vogue Fashion Bi-Monthly that shows all the Vogue Patterns, as well as the coloured sketches from New York, developed in the store's own fabrics? Consult the Vogue Pattern saleswoman, too. She knows many things about lines that are good for certain types of figures, and which patterns are simple enough for the amateur.

Vogue Pattern Designs for the current month are on sale at all leading stores in the United States, and at the offices of Vogue here and abroad listed oppos
Facing Toward the Autumn

Fabrics and Colours For
Summer that will be good
till December arrives

Now's the time for all smart women to cease facing springward, where the mode came from, and look autumnward, where it's going to land. All the dresses bought now—even the late summer dresses—should be planned with fall colours in mind, fall fabrics, fall lines. All of them ought to be just as appropriate under a fur coat as they are with a big hat and an electric fan.

Look at the six figures on these pages and decide which of them is you. . . . Are you the lady in georgette and lace, with the new tiered effect and that interesting droop toward the back in the way the tiers are cut? You might choose mustard colour if it's becoming—quite new, that shade. . . . Or are you the woman next to her who has declared in favour of the tight hip, the housed waist, the full skirt, the puff sleeve in Chanel red georgette? . . .

But perhaps there's too much of you for either of these dresses. Then look well at the frock in crêpe satin and fringe—one of the best models there is for a large woman, and ever so smart. Make it in dark blue or black and be happy over the compliments you'll get.

The woman at the left in the second group has the new flounce, placed very low. She loves green and has her frock made in semi-sheer crêpe. The flower on her shoulder is of the fabric, and a pattern for it goes with the dress.

"Boleros are good—and so young!" Says Figure Number Five, "and if you've plenty of shirring, you're better still."

"Berthas are as smart as boleros," number Six says calmly, "and, personally, I prefer them. Mine goes to the most interesting sort of point in back, giving a cape effect in semi-sheer crêpe, in midnight blue. Think how much use I'll get out of this dress!"

Six dresses. Don't you see one you can't do without? Or two? Or four? . . . Wise woman! Vogue, New York and Paris fortune teller, prophesies for you a successful season—if you act at once!
Only this week is sure

Sani-Flush

Cleanse Closet Bowel Without Scouring

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The good boys' school blends high scholastic standards with both mental and physical discipline. It lays enough emphasis on outdoor activity to develop a keen sense of accuracy, promptness and team-play; but not enough to interfere with the broad essentials of a well-balanced education. The biggest thing it does for its boys is to train them in discipline, straight thinking and four-square manliness.

Perhaps you haven't thought of all this, when you faced the problem of choosing a school for your son. Perhaps you never looked beyond the appearance of the buildings, or the names of the faculty, or the studies listed in the catalog. If this is the case, the experience of further investigation will be well worth while, especially with your thoughtful suggestions at your disposal for the asking.

Think it over...Talk to your boy about it...Consult these pages......Or call or write to us.

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The Madbury Lavatory
—a type for your particular bathroom

THE Maddock “Madbury” Lavatory of Durock is the last word in beauty, convenience, cleanliness and durability.
The larger illustration shows the pedestal style; the smaller, the leg style. Both are identical in every detail except the method of support.
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Both styles are made of all white Durock, including trimmings. Durock will not chip, crack, craze nor discolor.
The “Madbury” is the only wash basin made with a self-cleansing overflow, insuring complete sanitation. Hot and cold water, mixed to any desired temperature, is directed to the center of bowl in a single stream. There is a large square bowl with anti-splash rim.
Durock lavatories remain new indefinitely. They can always be kept spotlessly clean by merely wiping with a damp cloth.

There is a Durock distributor in your vicinity. Ask your plumber.

THOMAS MADDOCK’S SONS COMPANY, Trenton, N. J.
Oldest Sanitary Potters in America

MADDOCK
Durock Bathroom Equipment
This latest creation of Armstrong’s designers is a new fashion in floors. Armstrong’s “Marbleized Laid” it is called. “Marbleized” because the colors are finely blended in a soft, striped effect so restful to the eye; “Inlaid” because every single color in the design runs clear through to the burlap back.

It comes in different color combinations and designs—black squares set off by alternate squares of two-toned gray; mottled browns with dark interliners and contrasting blocks of off-white cream; blended blues framed in white—designs that have caught the eye of decorators and captured the interest of architects.

The old virtues of Armstrong’s Linoleum—ease with which it can be cleaned, the years that it will last if properly laid (replaced over builders’ deadening felt) and axed and polished as needed—are all part of these marbleized floor designs.

All this might sound costly. It isn’t. You can lay one of these smart new floors for but little more than you would pay to restore a worn wood floor. But what a difference in the effect—and you have a brand new floor that should last as long as your house itself.

Good furniture, department, or linoleum stores will show you these newest designs in Armstrong’s Linoleum. When you stop to see them, picture in your mind’s eye one of these patterned floors in your own home, your fabric rugs spread over its smoothly polished surface, your furniture in place. Then you will truly realize the beauty of these newest Armstrong creations. There are many to choose from, and—

Pretty printed patterns, too

Armstrong’s designers have also introduced many new ideas in printed linoleum. Every design is printed in clear, full-toned colors on genuine cork linoleum of a quality equal to any that bears the Armstrong Circle A trademark. If you rent, if your budget is limited, ask to be shown these low-priced floors of modern beauty—Armstrong’s Printed Linoleum.

For 25c (60c in Canada) our Bureau of Interior Decoration will send you a practical book on home decoration, “Floors, Furniture, and Color,” by Agnes Foster Wright. Many illustrations, in full color, of correctly decorated rooms. Address Armstrong Cork Company, Linoleum Division, 839 State Street, Lancaster, Pennsylvania.

The charm of this sun room begins with the floor—one of the newest designs in Armstrong’s Linoleum, Marbleized Inlaid No. 0283.

Marbleized—Armstrong’s new idea for prettier floors

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for every floor in the house

Made to fit. Armstrong’s Linoleum comes in beautiful patterns and combinations for every floor in the house. The charm of your rooms begins with the floor. Learn about your Armstrong Linoleum. Visit your nearest good furniture, department, or linoleum store. Ask to see Armstrong’s newest inventions. Armstrong’s Linoleum! Armstrong’s Linoleum! Armstrong’s Linoleum! Armstrong’s Linoleum! For the latest in floor decoration, visit your nearest Armstrong store today.
The best reason for using Sanitas is that it pays

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Plain and Pastel Flat Finish
tints that can be hung as they come, or
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IT pays to have walls so decorated
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IT pays to have a wall covering
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See the new Sanitas styles at your decorator's, now.
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Keep out summer’s heat with a lining of Cork

SIZZLING hot sun . . . ninety-eight in the shade . . . not a breeze stirring. Yet it is many degrees cooler inside of this house.

Why? Because the walls and roof are lined with a layer of Armstrong’s Corkboard, a material that effectually shuts out the heat. Even the third floor, usually so intolerably hot, is just as cool and comfortable as the rooms below.

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Before you build, find out about Armstrong’s Corkboard and how it will give you year ‘round comfort and lower fuel bills. The whole story is told in a 32-page illustrated booklet which will be sent free, on request. Use the coupon below.

Erecting Armstrong’s Corkboard in any type of construction is a simple and inexpensive matter. It can be nailed to the studding, joists or rafters, or laid up in Portland cement mortar against brick, tile or stone. And it has the additional advantage of providing adequate thickness in a single layer.

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A Heatproof Lining for Walls and Roofs

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August 1926
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UNTIL Nurmi showed the way, no one thought of the practical value of Relaxation in winning races. Until Stabilization showed the way, no one thought of the rest-value and health-value of Relaxation in Motoring.

We are creatures of habit. Years of motoring with every nerve and muscle on guard against the sudden thrusts and throws of spring-recoil, built up the habit of tension. We came to accept fatigue as a necessary result of motoring. Even when you ride in a Stabilated car, you probably will not relax at first. Old habits are too strong, but gradually, as you realize that the expected thrusts and throws do not come, a new habit will assert itself. You will sit back, relax and rest. Then each moment in your car will be refreshing, invigorating instead of tiring, a source of energy instead of fatigue, a means to health.

Relaxation is possible only when you know that no force can throw you. The only way to prevent any force from throwing you is to resist such force in keeping with its magnitude. And right there you have the Stabilator principle. This Stabilator principle is patented—and Watson Stabilators enjoy complete, sole and exclusive license under these patents.

Such pre-eminent cars as Cadillac, Chrysler, Duesenberg, Franklin, Mclntosh Fraschini, Jordan, M.Flanlin, Peerless, Stutz and Willys-Knight, are standard equipped to give you relaxed motoring.

JOHN WARREN WATSON COMPANY, Twenty-fourth and Locust Streets, PHILADELPHIA
The Safest Car now made even Safer

WE now announce NEW STUTZ models, including seven-passenger cars, in which every window, as well as windshield, is of special safety-glass. This eliminates the hazard of injury from flying shattered glass, at front, sides and rear. These NEW STUTZ models are the first cars ever built regularly equipped with safety-glass all around.

The phenomenal sales of The NEW STUTZ attest the success with which this advanced automobile meets the public demand of today. And The NEW STUTZ, with Safety Chassis, already the world’s safest automobile, is now made still safer for its occupants.

No other car has this combination of safety features:

Safety-glass in windshield and all windows. Narrow, clear-vision front corner-posts.

Frame of unequalled strength and rigidity, with integral steel running-boards ("side-bumpers").

Perfect road balance; elimination of side-sway achieved by scientific frame and spring arrangement. Stabilators and long, low-rate flat springs coordinated for ideal action.

Unparalleled stability, gained by a radical lowering of the "center of mass" of the car. The resistance to overturn is so great that one side of the car may be raised more than three feet higher than the other without toppling the car over. This lowering of the center of mass is made possible by The NEW STUTZ worm-gear drive, manufactured by Timken.

Hydrostatic four-wheel brakes, developed and built by Timken; greatly increased effective braking surface, with perfect equalization of braking energy at all points on each wheel. Non-leaking, no adjusting; quick, even deceleration — no discomfort to passengers, no skidding, no swerving, no side-sway. Instant acceleration from ten to fifty miles per hour in less than eighteen seconds; an alertness that quickly pulls the car out of tight places. And speed adequate for all occasions.

The entire car has Underwriters’ Class A rating on both fire and theft. It is permanently protected at no cost to the car owner by The Fedco Number Plate System in cooperation with the William J. Burns International Detective Agency.

See The NEW STUTZ cars with safety-glass all around as the final safety attainment in the automobile that most successfully meets modern motoring conditions.

Your local dealer is now showing these models, which in addition to their exclusive safety features have a custom-like smartness of body design and the utmost luxury of appointments.

STUTZ MOTOR CAR CO. OF AMERICA, Inc. Indianapolis

"It is a serious question whether manufacturers in the past have given adequate thought to the element of safety in the cars they have sold to the general public. Over a period of years our motor-car manufacturers have stressed everything but safety features . . . ."

F. W. JOHNSON, Director Committee of Philadelphia on Street and Highway Safety — Secretary Hoover, Chairman.
American women possess in high degree two precious characteristics—a fine sense of discrimination and sound sensible thrift.

The appreciation of womankind for the smart, continental beauty, the wonderful ease of riding and driving, the thorough dependability, the safety and the proved endurance of the Chrysler "70", has naturally made it the preferred car wherever society meets.

And how instantly its pre-eminence has grown, now that the new lower prices give savings of $50 to $200 with absolutely no change in the performance, quality, comfort, style, equipment, design, materials or workmanship, which have won such widespread preference and admiration.

Chrysler "70", at these new lower prices, brings to woman her ideal personal car at new thrift values which make it more than ever the outstanding six-cylinder car of quality.

Just think of possessing Chrysler verve and dash, Chrysler richness of luxury and performance, Chrysler distinctiveness and long life at these new lower prices.

No wonder thousands upon thousands of women, as well as shrewd appreciative men, have banished their final hesitancy in placing orders for the famous Chrysler "70" at the new lower prices.

"Priced from $1395 to $1895 f. o. b. Detroit. Eight body styles available."

Chrysler "70" Crown Sedan, $1895 f. o. b. Detroit
and succumbing to that. Finally
you stagger home under a load of
jam! all manner of strange and delec-
tious temptations are too
beat eggs and cut cookies, the wash-
by all the new things he sees—the
store. The chili! in him is fascinated
that are almost human. Let a man
some sets of knives, the steel that
will not rust and the trouser hangers
lers appeal only to women. Well, they
as a cook or a carpenter . . . Which
with enough equipment to start in
picture wire, and he'll come out
and sane way of household economy,
leads us to believe that men should
do appeal to the housewife's wise

THERE are two kinds of stores
that we dare any man to visit
with a week's salary loose in his
ocket. One is a first class grocery
and the other is a shop that special-
izes in all the new and trick gadgets
for kitchens.

You go into a grocery, say, for an
ordinary pound of coffee. Were you
a nice and dutiful husband, you'd
buy that coffee and clear out. But
the gastronomic temptations are too
great. Here is honey from Syria
put up in a pretty pot. Yonder is
Irish bacon, and, farther along,
strange cheeses and uncommon fruits
and all manner of strange and delec-
table foods put up in glass like
jewels kept in cases. From one
counter to another you pass, buying
this and succumbing to that. Finally
you stagger home under a load of
parcels looking like Father Christmas.

The same sort of thing happens
when a man is left unwatched and
unattended in a household equipment
store. The child in him is fascinated by
all the new things he sees—the
trick lemon squeezer that will also
assure you, they certainly will work.

In the pages of this magazine will
be found things that are equally
worthwhile. There are so few occasions in
the course of the normal married
man's life when he can splurge with
impunity. If he goes in for expen-
sive bulbs and plants, his non-
gardening wife will surely take of-
fense. If he goes in for many and
costly suits of clothes, she will ac-
cuse him—and rightly—of being
vain. But let him loose in a house-
hold equipment store, and any
extravagance he may commit will be
readily forgiven.

These are dark and hard matters
to understand, but every man has
encountered them and has, after
better experience, learned to accept
them as among the mysteries of the
marital life. And many a man has
learned, too, that the path to for-
giveness lies in the direction of a
new ironing board; that all will be
forgotten if he appears bearing the
latest device to cut grapefruit.

Far be it from us to sow seeds of
dissent, but perhaps we might ven-
ture to suggest that, now and then,
in the pages of this magazine will
be found things that are equally
effective. In this issue there are
enough new kitchen gadgets to bring
a man forgiveness for a year of
minor sins. In other issues are chairs,
tools for the garden and new wall
papers and new pottery and
glass. As articles of domestic repara-
tion they may be expensive, but, we
assume you, they certainly will work.

Here, then, is a new way to con-
sider HOUSE & GARDEN. Let the
poker game last ever so late, there
will always be found in House &
Garden the appropriate and effective
gift. This pearl of domestic wis-
dom can be picked up at the nearest
newsstand for the insignificant sum
of thirty-five cents.
At the end of summer trails!

Whitman’s are fresh! When you pause in your summer journeys to buy a box of Whitman’s Chocolates at a luxurious resort hotel, at the leading drug store in a large city, or at the quaint tea-room beside the road at the end of the long trail through the mountains—the candy is fresh. Every possible precaution has been taken to keep it so.

During vacation days many hundreds of summer stores supply Whitman’s to tourists and dwellers in resorts. But every store, however humble, is selected and approved as a Whitman agency and gets every package it sells direct from Whitman’s.

We eliminate middlemen solely for the purpose of ensuring careful handling of our candies and satisfying service to the critical candy lover. Wherever sold, Whitman’s carry a guarantee of perfection.
A LOVING reader from California asks us why we don't publish an article on the beauties of black walnut furniture such as people had in the General Grant Era. She says that out there on the Coast people are collecting this furniture.

Well, we have become accustomed to most of the strange things that happen on the Coast, but this one leaves us unmoved. To collect heavy, over-decorated black walnut pieces strikes us as the last conceivable kind of indoor sport. A bad dream. The very depth of the worst taste this country has ever known. It were better that we forgot that period and its furniture. With all the beautiful lovely things worth collecting and available for collectors, it is inexcusable how anyone can entertain black walnut among her choicest possessions.

SOME months ago we published an article on the books of house designs and architectural details that old carpenters used in this country. While most of them were of English origin, we have recently discovered two that were edited here—"The Model Architect" and "Carpenter's Guide"—both published about 1850. The editor was Noah Knowles Davis, a Philadelphia chemist who later became an educator of note. The dates of these two books, however, were dangerously near the end of the era of good taste in this country. The classical revival, that gave us many fine houses of the Southern Colonial type, began to peter out by 1840. Then the taste and interests of the people became engrossed with the political problems of the Civil War. After that date took down and down until it hit bottom in the General Grant regime. If the average carpenter of today had taken from him most of the current books of house designs, he might be able to build more pleasing homes. The fault lies not with the carpenter but with the publishers who perpetuate these books.

THAT the ancient Egyptians were not above using paint as a substitute for granite, marble of finely ground woods is apparent in a wall ornament in Thebes of about 1350 B.C. Here in an inner chamber in the tomb of Neferhotep are series of reliefs depicting a procession of people riding in a garden through a large portal shielded to resemble granite. The massive doorway of the house at the far end of the panel is also of painted granite.

In addition to simulating marble, paint was used as a substitute for ivory inlay on furniture for the various ornamental woods, the process of wood graining being known in Egypt as early as 2060 B.C. Brilliant glazes were used to play the capitals of massive limestone columns in face of precious stones or colored glass, and from various fragments of Boeotian we learn that paint frequently took the place of colored tile inlay.

For the annuals—really the annuals have been pitiful. We used to think that such simple things as Zinnias and Calendulas just took care of themselves, but this season even they are milky. They don't grow. Their leaves are stunted. They look as though they had all gone on a strike. Perhaps we should have chosen this year to go abroad.
THE MIRRORING POOL

The pool is the vanity box of the garden. In its mirroring surfaces, Nature can contemplate herself, and those who wish, contemplate themselves, Narcissus-like, in its cool depths. Such a pool is on the country place of John L. Wilkie, at New Windsor, N. Y. Max S. Schmidt, architect.
WHEN FLOORS ARE DECORATIVE

Consider the Ornamental Possibilities of Linoleum, Cork and Cement when Planning the Foundation of the Room

PIERRE DUTEL

As the floor is the foundation of the room and occasionally the keynote of the entire decorative scheme it should be planned with as much thought and care as is given the selection of the furniture, wall coverings and upholstery fabrics. Thanks to an ever-increasing appreciation of design as well as a growing realization of the importance of pattern in this section of the room, the floor is now selected for its ornamental features quite as much as for its utilitarian qualities.

There are many kinds of floors to consider when building, among them being parquetry, tiling, stone, composition, linoleum and the old-fashioned deck flooring.

The word parquetry means mosaic woodwork, some of the earliest examples being found in Italy. In the 16th Century we hear of flooring of this kind in France and England and later on this type drifted across the Atlantic where it was used in simplified designs in our Colonial interiors. There is an entry in the diary of John Evelyn about 1678 regarding the parquetry floors of the Duke of Norfolk's palace at Weybridge. These early floors were made from small pieces of polished wood of different grain and color, fitted together and laid in sections to form a geometric pattern.

A parquetry floor today is much less expensive and easier to lay than the complicated and elaborate flooring of the 17th Century. The small sections of wood are made to fit one into the other by means of grooves and ribs on the outside. After they have been fitted together they are nailed in place with blind nails and then the top surface of the floor is planed down to give a smooth finish. As this leaves the pores of the wood open a filler or stain becomes necessary, according to the directions of the architect. A good filler is pure walnut stain diluted with a little turpentine and oil. The floor should then be finished with a coat of wax. This has to be repeated several times in order to achieve the desired mellow effect.

A cork floor is noiseless, quiet and durable. For this reason it is an ideal material for use in hospital and nursery interiors. It has considerable resiliency and is therefore a practical flooring for kitchens and places where one has to stand a great deal. A cork floor may be left in its natural state or finished with a stain and then waxed. An interesting cork floor for an interior done in the Spanish manner might have inserted at intervals—cut-out designs in linoleum or tile of some gay, colorful pattern such as a crest, ship or star. These motifs must be in scale with the room and, if desired, the floor may be finished with a colored border.

Many delightful effects are possible with linoleum. In my shop I have at the back of one room a raised step that is covered with linoleum finished with an inset sun-burst design of contrasting color. This is copied from a French pattern found often in marble...
(Right) A cork floor laid in eight-inch blocks and decorated at random with inserts of colored linoleum in designs of ships, dolphins, shells, etc. A type of flooring suitable for an Italian or Spanish house.

Below is an imitation marble mosaic floor of inlaid marbled linoleum in a decorative star design bordered by alternating dark and light bands. It makes an effective flooring when used for a large hall.
m a t e r i a l  i s  a  r u b b e r  c o m p o s i t i o n  w h i c h  c o m e s  i n  d i f f e r e n t  c o l o r s  r e s e m b l i n g  b l a c k  and  w h i t e .  I n  t h i s  c a s e  t h e  f i e l d  is  m a r b l e z e d  b l a c k  a n d  w h i t e  w i t h  t h e  p o i n t s  o f  t h e  s u n - b u r s t  e m e r g i n g  i n  g o l d  a n d  g r e e n .  T h e  n a r r o w  b o r d e r  i s  d o n e  i n  s a m e  c o l o r .

A n o t h e r  i n t e r e s t i n g  u s e  o f  m a r b l e z e d  l i n o l e u m  i s  t h e  f o o t s t o p  s h o w n  i n  t h e  p h o t o g r a p h  b e l o w ,  c o v e r e d  w i t h  b l a c k  a n d  w h i t e  m a r b l e z e d  l i n o l e u m  o r n a m e n t e d  w i t h  a n  i n s e t  s u n - b u r s t  d e s i g n  i n  a l t e r n a t i n g  g r e e n  a n d  g o l d  p o i n t s .  T h e  n a r r o w  b o r d e r  i s  a l s o  i n  g o l d  c o l o r .

A n o t h e r  i n t e r e s t i n g  u s e  w i t h  l i n o l e u m  i s  t h e  u s e  o f  i n s e r t s  o f  p a i n t e d  g l a s s .  T h e s e  h a v e  t o  b e  w e l l  i m b e d d e d  a n d  t h e  f l o o r  m u s t  b e  p e r f e c t l y  e v e n  i n  o r d e r  t o  a v o i d  c r a c k i n g  t h e  g l a s s .

I n  F l o r i d a ,  s a n d  a n d  s t o n e  a r e  o f t e n  m i x e d  t o g e t h e r  f o r  f l o o r s .  C e m e n t  a n d  s a n d  i f  m i x e d  i n  t h e  r i g h t  p r o p o r t i o n s  a l s o  m a k e  a  b e a u t i f u l  f l o o r i n g  f o r  a  s u n  r o o m  o r  l o g g i a .  T h i s  m a y  b e  l i n e d  o f f  i n  b l o c k s  t o  r e s m e l l e s s  s t o n e  w o r k  o r  p a i n t e d  i n  s o m e  i n t e r e s t i n g  d e s i g n .  I n  t h i s  c a s e  b e f o r e  t h e  c e m e n t  h a s  b e c o m e  t h o r o u g h l y  d r y  s e l e c t  c e r t a i n  b l o c k s  a n d  c o a t  t h e m  w i t h  t w o  o r  t h r e e  l a y e r s  o f  t h i c k  e n a m e l  p a i n t ,  a l l o w i n g  e a c h  c o a t  t o  d r y  w e l l  i n t o  t h e  c e m e n t .  T h e n  g o  o v e r  t h e  e n t i r e  f l o o r  w i t h  a  d a r k  o i l  s t a i n  a n d  f i n i s h  w i t h  a n t i q u e ,  r u b b i n g  i t  w e l l  i n t o  t h e  f l o o r  i n  p l a c e s  t o  s i m u l a t e  t h e  e f f e c t  o f  w e a r .  W h e n  c o m p l e t e ,  g i v e  a  f i n a l  c o a t  o f  w a x .

(Continued on page 96)
Typical of the Long Island farmhouse style are the long low lines of the roof. The middle part is the original house, to which wings were added on each side. S. A. Clark, architect.

The living room ceiling and walls are characteristic of the period and architecture of the house—white-washed open beams above and old pine paneling on the walls. In one corner is the tap closet containing Mr. Alexandre's collection of old bottles. Jane Teller was the decorator.
THE HOME OF J. HENRY ALEXANDRE, GLEN COVE, L. I.

Of the entrance hall is a lounging room in which the hobby of the family is expressed. Horse pictures and rugs with quaint riding figures mingle with cups and other reminders of the chase. The walls are a pale blue.

Flowered cretonne and sheer glass curtains, pruner side fixtures, an old corner cupboard filled with antique pottery and glass and hooked rugs rich in color are some of the authentic notes in the decoration of the living room.
THE TRADE ROUTES OF ANTIQUE

In the Sources and Travels of These Objects Is Written

The Early History of Our Country

WHEN Americans became interested in their own antiques, they discovered two facts—that there were certain sections of the country especially rich in antiques, and certain other sections where they cropped up in an unexpected manner. New England and the Pennsylvania Dutch country both gained reputations as antique belts. On the other hand, through sections of the Appalachians and in old towns fringing great rivers were found examples of household furniture and adornment that obviously had traveled a long distance. Why was this? What trade routes did these antiques follow? How did a Philadelphia Windsor chair get from its original home to a town in Ohio? Why did the individuality of the New England and the Pennsylvania Dutch types persist?

BETWEEN 1640 and 1820 New England saw scarcely any additions to its population by immigration. The Puritan element once settled, and things going better for them in England, they did not have to flee to America, the provinces north of New York remained static so far as blood was concerned. Large families were bred, but they were all of the same racial type. There was no appreciable infusion of foreign blood until the French Canadians and the Irish began drifting into those regions under this regime about 1820. The people of New England became a homogeneous type, with an individual viewpoint on religion and government, and even an individual accent.

Shipping, domestic manufacturing and agriculture were the main employments of the people. To find markets, the Yankee traveled either as a seaman or as an itinerant merchant. For years New England was a vast nursery which sent forth, each year, hundreds and thousands of men and women of the distinctly Yankee breed who settled the growing frontiers of the country. They took with them, when it was possible, their household possessions. Sometimes they went in coasting steamers, sometimes overland in Conestoga wagons, and by pack trains to the headwaters of the Ohio, whence they drifted down in arks and pole boats to various allotted spots in which they settled. But by no means did all of them carry their possessions along, and for the simple reason that it was physically impossible. Roads did not exist. Many of them, having the characteristic Yankee eye for making money, were peddlers en route. Not until after 1800, when the Lancaster Road from Philadelphia, via Lancaster, to Pittsburgh was finally opened, could they have carried many of their bulkier possessions to this frontier.

The Pennsylvania Dutch, on the other hand, present quite a different story. They were not travelers. An agricultural people, they stayed at home and cultivated their lands, and they resented the intrusion of foreign elements. Thus they also grew into a homogeneous group, their furniture, their architecture, their customs became of a type. They were as distinctive in their way as the Yankees were in theirs.

In all sections of young America vast quantities of household goods were made. At first all the work was done in the home. Then, part of the work might be done at home and finished by itinerant workmen or at local factories. Later manufacturing passed completely out of the home and went into the factory. By the Civil War, New England had finished changing from an agricultural section to a manufacturing area. Philadelphia, due to its polyglot population, soon developed manufacturing especially in textiles it became famous.

Distribution was necessary to the success of this manufacturing. Some of the goods were shipped by coastwise sloops to distribution centers, some went by the peddler's pack and later in his cart, some by pack trains and wagon trains to the frontiers of Pennsylvania and New York. Thus Richard Wistar might ship glass, made in Alloway, N. J., by sloop to New England towns whence it was distributed by merchants and itinerant salesmen. The blue and white checked goods of the Connecticut Valley made on home looms, would be carried in the peddler's wagon into the back country of Pennsylvania and New York. Or pack trains would take it from the Conestoga wagons at Lancaster, carry it over the mountains to Philadelphia, whence it would be trans-shipped to boats that floated or were poles down the Ohio and the Mississippi to New Orleans. Early travelers to New Orleans describe the markets in that town as filled with Yankee-made goods, which are the antiques of today. The gentry of the Mississippi would wear beaver hats made in Danbury, Conn., and the people of Kentucky boast the porcelain that came out of Trenton.

THERE were besides, two other sources of our antiques—imported wares and those made by itinerant workmen.

Being an agricultural country, the South was not given to manufacturing. Its leaders of society and people of wealth preferred to import from England much of their necessary ware. Some of this was shipped direct to Southern ports, and some carried via New England ports. The trade was in the hands of Yankee merchants or Scotch representatives of British merchants. To Philadelphia also came vast quantities of furniture and other household goods.

The itinerant workman also added his contribution to the total of early American antiques from England and France, as in this we have quite a pleasant glimpse of vagabond life. When a young man finished his apprenticeship, he started traveling about in search of work. This was called "swinging the cat." He went from town to town, from one isolated farmhouse to another, doing odd jobs for his food and lodging. The journeyman carpenter made rude farmhouse furniture; the itinerant artist painted clock faces and tin trays and portraits, and signs for inns and shops; the itinerant weaver worked at the household loom and produced great yards of woolen goods and linens.

A FASCINATING story, this tracing the trade routes of things we consider antiques today, for their ramifications touch practically every phase of early American life. In it is written the beginnings of our industries, the gradual development of transportation, the evolution of household life from the primitive stage to the luxurious, the gradual creeping westward of our frontiers.

Today people find great sport searching out antiques. How richer would be the sport if they realized the adventure as far travels these antiques experienced, if they could visualize the great movements of people that forsook the comfort of established communities and faced the dangers and privations of frontiers. Truly in the antiques of early America is written the history of our young nation.
SHUTTERS AS DECORATION

Used first for protection, shutters have now become a decoration. When painted, they give spots of color to a façade; pierced with quaint devices, they lend an air of amusement. They are even made merely picturesque, as on the house of Miss Mabel Brownwell at Douglaston, N. Y. Otto Preis, architect.
THE STEADFAST

SEDUM

LOUISE BEEBE WILDER

WHEN we embark upon the adventure of building and planting a rock garden we are advised by various interested spectators to grow largely of Sedums, or Stonecrops, as they are commonly called. No Stonecrop, we are given to understand, would have the heart to blast our budding enthusiasms by refusing to live; any soil will suit them, any situation, and they increase at a rate unknown to any other rock plant. Pin our faith to Sedums and avoid despair. Thus we are admonished.

But after several summers and winters have passed over our experiment and we, by honest toil and not wholly heeding the advice of those early admonishers, find ourselves clinging to the fringes of the rock gardening elect, we hear a different story: that Sedums are the refuge of the lazy rock gardener, or his confession of
Late summer is the blooming season for Sedum album, whose flowers are a pale straw color. It likes a hot, exposed situation.

The Senecio discoides is a close relative of the Stonecrop or Sedum and likes rock crevices. This one is S. angulatisepalum, the Cobweb Houseleek.

Late summer is the blooming season for Sedum album, whose flowers are a pale straw color. It likes a hot, exposed situation.

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The Madonna Lily (L. candidum) is one of the loveliest of the race—a fragrant white of pleasing form that lends itself admirably to garden compositions. It blossoms normally in late June and will succeed even in somewhat shaded places. Photos by courtesy of John Schoepers, Inc.

HARDY LILIES IN THE GARDEN

In Suitable Conditions of Culture Lies the Secret of Success

With These Delightful Flowers

F. F. ROCKWELL

Within the entire range of garden plants, there are probably no flowers more universally admired than the hardy Lilies—and yet the gardens in which one finds them in great variety are comparatively few.

Why? Well, let us admit the truth at the beginning:

There are very few plants with which the amateur is more likely to meet failure at the first attempt to grow them. Nevertheless, success is not only possible; it is, with at least a very satisfactory range of varieties, quite easy, if one knows and caters to the Lily's simple requirements.

No other flowers are so striking in the garden picture; so stately and yet so graceful; so charming in their combinations of form, color and fragrance; or less trouble to take care of year in and year out, once they have become established. Is it not, then, well worth a little study on the part of the amateur to learn the secrets—which really are not secrets at all—of their successful culture? Particularly so, as their requirements, once understood, are very easily met so far as many of the most beautiful varieties are concerned.

There is hardly a garden, no matter how small, which will not furnish suitable conditions for at least a half-dozen or more varieties; for, fortunately, the various species succeed, in nature and under cultivation, over a remarkably wide range of conditions of soil and climate, running from full sun to quite dense shade; from extremely dry to very wet locations; in very acid or fairly sweet; and in heavy loam to almost pure sand. The one secret of success with hardy Lilies is to select varieties which will be happy in the conditions which you can supply. It is for this reason that I shall devote most of this article to endeavoring to make plain how the beginner can succeed in growing Lilies, rather than to the usual elaborate descriptions of species and varieties.

The more I learn of plants—and the
God of Chance has been so considerate as to grant me experience with a great many different kinds, under many widely varied conditions—the more I become convinced that Nature is a teacher whose lessons all gardeners may always study with profit—but she never urges us to come to school, nor is she presumptuous in offering her services. Her book is there, but we must be sufficiently interested to open it ourselves; if there are sermons in stones, they are only for the sharp eye and the keen ear.

Now the Lilies, more than almost any other important class of plants we have, are, and remain, wildings—even in the captivity of the garden. There are many natural species which have been brought together for our enjoyment from many parts of the world; but there are very few “man-made” varieties. And so, in considering the Lilies, we will particularly do well to turn to the pages of Nature’s old but still reliable herbal.

Still clear in memory are my own first attempts at Lily growing. In a field on our Connecticut farm which was called the Long Mowing—a name handed down through generations with the farm—the yellow field Lily (canadensis) grew in scores along the sides of a little stream which drained the lot. But every year, just as the flowers began to open, came the mowers with their long, lean scythes—each one following, with his wide swathe and parallel row of heel-tracks, close behind the other—and in their wake, my towering beauties, arrayed as even Solomon was not, lay prone with the plebian herdgrass and timothy.

We wander, it may seem, somewhat afield in search of our Lily lore. But that is just where it must be looked for, as I found out in trying to tame some of the Lilies described above. I decided to transfer them to my garden, thinking that in the richer soil there they must thrive even more wonderfully than they did in the meadow. To admit the sad details of three years of disappointments, I found out that they would not grow in richly manured soil; nor in wet soil, where I tried them the second year, attempting to imitate the conditions in which I had found them, but failing to realize, until after I had lost another season, that their natural growing place, while quite moist, was well drained by the little brook flowing through it, so that the bulbs were actually above the winter water level. And thirdly, I found that they did not like lime. The last discovery was an accident; in seeking material to improve the drainage of the bed where they were growing, I used some old plaster rubbish as far as it would go, and finished out with hard-coal cinders and coarse ashes. The difference was most marked. Since then, I have often used coal ashes as a drainage material and have always had Lilies of many varieties do excellently with them, although I have never found them recommended in any articles or books on Lily culture.

After my first experience in attempting to cultivate Lilies, I began to take particular notice, wherever I found them, of the exact conditions under which they grew. And I always discovered good drainage around the bulbs, no matter how moist the soil seemed. Sometimes it was a nearby stream or ditch; sometimes a gravel sub-soil. Also, I never found any growing in bare soil. Always there was grass, low growing shrubs or plants, or a thick layer of leaf mold covering the spot where they flourished. These facts were true of all the Lilies growing wild in my locality,—the yellow Canada or Meadow Lilies, <i>canadensis</i>; the Turk’s-cap (<i>singhobium</i>) and the orange-red philadelphicum.

(Continued on page 130)
EVERGREENS FROM EAST AND WEST

Among the Arborvitae and Retinisporas Are Many Excellent Trees for Ornamental Planting

F. H. WILSON, V. M. H.

In the February number of House & Garden I dealt with the Yews and low-growing Junipers so much in demand for foundation plantings. Here I propose to write of two other groups even more widely used for similar purposes. Without reiterating statements it may be said that these suffer from the same abuses and as a rule are far too thickly planted about houses. Retinisporas and Arborvitae are cheerful, attractive evergreens of greatly diversified form and coloring and vary in height from a couple of feet to forest trees 200 feet tall. In foundation plantings these furnish not only vegetable solids but also essential relief. They thrive in any good garden soil but prefer a deep, cool loam, and they love pure air. In their juvenile stages the parent species are pyramidal or columnar masses of green but later give rise to spreading tabular branches, form a handsome trunk and a broad flattened or dome-shaped crown. In this adult stage they are splendid for wide open spaces but useless for the immediate vicinity of houses. Fortunately there are scores of varieties and forms of these plants of permanently low habit and it is these that naturally are most in demand.

Properly speaking the Arborvitae are all referable to the genus Thuja of which T. occidentalis of northeastern North America and T. orientalis of the Orient are the oldest cultivated and the most prolific in forms. The Retinisporas belong to the genus Chamaecyparis, native to North America, Japan and Formosa. The two Japanese species (C. obtusa and C. pisifera) with the western North American C. lawsoniana are by far the most protean. As a matter of fact it is to these five species that the names Arborvitae and Retinispora, in common usage, apply, but these names are loosely used, are more or less interchangeable and are applied rather indiscriminately to juvenile forms of all five. As a rule, however, nurserymen reserve the name Retinispora for the two Japanese trees, that of Arborvitae for the two Thujas and call the other Lawson's Cypress.

It is the extraordinary variability of these trees when raised from seeds that has given them such a large place in nurserymen's lists and in gardens generally. Many of these varieties retain their peculiar characters for a great many years and some permanently so. They are easily propagated from cuttings or by grafting and their forms are legion. There is indeed plenty to choose from, but the names are sadly confused and intending purchasers are strongly advised to visit nurseries and (Continued on page 100)

For fifty years one can count upon the beauty of Chamaecyparis obtusa, though the tree may lose some of its beauty of form at a greater age. Under favorable conditions it may reach a height of 150 feet.
China can show some of the most picturesque evergreens in the world. Here in a garden in Peking is an Oriental Arbor vitae 500 years old—a species which, unfortunately, is not quite hardy in Massachusetts.

The Giant Arborvitae (T. Plicata) is the noblest member of its race. In the Columbia River Valley it reaches a height of 300 feet with a trunk tree of branches for the first hundred. In youth it is columnar.

Columbia is an excellent American Arborvitae variety. It is a strong-growing tree with broader foliage than in some of the other sorts and pleasantly variegated with silver. A good tree for a cold climate.

The Japanese have for long made a practice of dwarfing Retinisporas for garden use. One of their favorite varieties for this is obtusa nana, a perfect pot-grown specimen of which is shown in the photograph above.
THE student of color as applied to interior architecture—the furnishing of a room—might have spent years trying to wrest the color secrets from ancient rooms that have become show places, but he would not dare venture on a chart of color schemes as the keynotes of past periods. That periods do look back to us in colors no one with a sense of the past and a penetrating color eye will deny. Some epochs have hall-marked, as it were, certain colors, and the chatter of generations has given them surety. Queens and women who sat on thrones of fashion seized a color, wrapped their caprices in it and trailed it through a reign. There is the tulip yellow of Mary, wife of Dutch William, found on every second untouched brocade or velvet chair covering that knew their England. The blushing rose pink of Du Barry can never be taken from her. The famous cabinet-makers, especially the British, had strong predilections for a favorite color. In the arresting vocabulary of the antique shop one still hears "Chippendale brown", "Adam green", "Hepplwhite blue", and other color traditions.

Beautiful rooms we have seen and been intimate with for thrilling minutes or longer spaces of time live in our memories enmeshed in color. We may forget form, but color remains. The rooms that seem the chambers of our own pet dreams, when we meet them in real life, stay with us forever afterwards in the auras of fairyland. We all feel color in varying degrees—unless we are color blind. All color perceptions are delicate and personal experiences, lit and shadowed by what one has gleaned following Father Time. Though the past may seem a blurred tapestry, the wise student of color can always separate some threads. As he evokes great decorative fashions, color ghosts will look over his shoulder. He may never be quite sure of them, but from the sweep of their tattered trailing garments will fall some color wisdom.

TRUTH IN COLOR

However much one's color eyes long to peer down the vistas of the past for truth, they are bound to meet with the confusions of fantasy. The color of periods is quite out of the beaten track or curriculum of modern decorative estheses. All that we have for surety are bits of color here and there ticketed with this age or that. Sometimes a color is so much of its age that it refuses absolutely to live peacefully with the creations of a previous or latter era. Try to cover a Louis Seize chair with silk that might have been filched from Baltimore, or a Renaissance soba, elegant enough for a Beatrice D'Este, with stuff fresh from a German dye factory—and consider the result. Many persons gifted with imagination have brightly illumined visions of halting places in the pageant of yesterday. One sees his ideal Renaissance room—the throne room of a de Medici or della Scala in indigo velvet and silver. Another—Marie Antoinette living with her lilac, sky blue, water green, and the pink of her favorite rose and opalescent medley of the pastel shades in which Bertin dressed her. Still another, Napoleon strutting through halls of green and gold dragging his classic manias after him. The periods we study and endeavor to resurrect for our everyday lives are never skeletons in black and white. Rightly, or wrongly, we color them. Patient research and ardent pursuit often come upon truths and half truths.

THE GEORGIAN ERA

In both America and England I have always loved the Georgian era. For, to my color eyes, brown, fawn and tea color make its background. The reigns of the three Georges seem a vast piece of needlework in brown gospoint and through it skips a fine stitch of gay flowers. In old London houses there are still many paneled rooms of a strange brown that has something of yellow and gray in it. Perhaps the impress of centuries of sun and fog. Hundreds of brown chintz hangings still exist scattered with garden flowers and fabulous Oriental birds. This chintz of the brown background was a universal favorite in the Colonies and Early Republic as nine out of the ten stretches of old chintz one runs across in American antique shops today can testify. Did the rather frugal minded Georges affect the mode in color? Women in those days were fond of brown dresses—only not those who were forced to wear dipped linsey-woolsey. There is a portrait of Queen Charlotte in brown satin, a child on her knee. Sir Joshua did many of his literary friends in brown coats. There was a brown ribbon Spittlefield silk popular for mahogany chairs. Of course one knows that the entire British 18th Century was highly rouged and bedizened—at times gaudy. But to me it looks back a smiling matron in brown. She holds, it is true, a large bouquet of sweet old-fashioned flowers. Her eyes are bright blue and her lips and cheeks cherry red, but brown is her habit, and I refuse to see her in any other color.

The Victorian era I caught glimpses of in youth and saw come into fleeting fashion just before the war is a period forever befouled for me in magenta, pea, and petunia. For languishing ringlets I see Berlin wools, for jewels mother of pearl, and Bristol glass. From under the finiances stare black lacquer legs and boots. Then this period of prettiness, always adding one Rose too many to its garlands, should have chosen such strong color for its everyday dress is an anomaly. Perhaps the repeat of so much heaviness wanted a heady glowing port to digest it. Red with a dash of blue, all the family of purple reds—these were the first favorites of our grandmothers. Chair covers, ottomans, screens, curtains, table covers, and carpets were bespattered with it. London smiled at it a decade ago and laughingly placed it before the then fashionable black walls. Today it has vanished again. Perhaps it has gone to the box room or is hidden in the Crystal Palace. This Spring in Paris I came upon several smart antique shops full of Victorian flotsam and jetsam. This is the newest craze, I was told, and I was amused to find a whim long discarded across the Channel serenely offered as a modish titbit to the unsophisticated curio hunter—the visitor one may be sure—not the Parisienne.

WILLIAM AND MARY

The imprisoned sunshine that seems to cling to old gilt and pools of amber velvet makes me realize the William and Mary period in a golden shimmer. Before me lies a piece of yellow velvet bearing Silent William's royal British cypher but made in Holland. The Tudor colors of Wolsey's days, the heavy richness of Holbein, never exists for me at Hampton Court. I see only the yellow of Tulips, for William's Mary must have refurnished it with many yellows. Yellow was also a fashion in Anne's reign judging by the quantities of Queen Anne needlework with a yellow ground now extant. At the French court they called the favorite golden color "aurore". It danced daily through new Versailles and old Fontainebleau. Where the Sun King went it followed him. (Continued on page 126)
The kitchen at Beauport, the residence of Henry D. Sleeper in Gloucester, Mass., is paneled in old red pine and furnished with an assortment of unusually fine early American furniture and accessories. The photograph above shows the breakfast alcove.

This wide, picturesque fireplace, with its collection of iron kettles and its imposing array of typical early American cooking utensils, porringer and bottles, is also in Beauport, in the Pembroke room. Mr. Sleeper is the decorator as well as owner of this house.
The photographs on these two pages are of a remodeled house in New York City, the home of Harry I. Caesar. The dining room shown above, with its cream trim and decorative panels of colorful Chinese paper which flank the windows, was originally a dark, rear kitchen. Arthur C. Holden & Associates were the architects.

At the left is a corner of the library showing the high beamed ceiling and commodious built-in bookshelves. This room, at one time used as a rear upstairs dining room, has buff-colored walls and Pine woodwork which has been treated with acid and stained to correspond with the early American furniture in the room.
A fine paneled over-mantel and wide casement windows are features of the library which is shown above. Early American Maple furniture combines happily with a modern over-stuffed sofa covered in bright chintz. Ship prints and hooked rugs provide additional color accents. Mrs. Caesar was the decorator.

The original hall, with its long, straight flight of stairs, has been transformed into an inviting interior with toile papered walls, cream woodwork and an unusually graceful curving stairway fitted with wrought iron balusters and handrail. Through the door one catches a glimpse of an attractive living room.
At the left and below are views of an unusually interesting bathroom in the New York residence of Mrs. John A. Victor. The walls, in a graceful design of white swans against a background of delicate pink, mauve and green, were painted by Robert Locher. The curtains are lavender taffeta over corn dotted net and the rug is apple green carpeting. Ruby Ross Wood was the decorator.

In the photograph above is a bathroom in an English country house notable for its use of an antique painted cupboard and carved stool in place of the customary white enameled furniture. Basil Lonides was the architect.

A bathroom in the modernist taste has walls, floor and ceiling made of deep blue glass. The basins and tub are of matching glass, enriched with a coating of dull gold. It is from the Paris Exposition des Arts Decoratifs.
A well-equipped, well-lighted kitchen is vitally necessary to the successful running of a house, whether it be in town or in the country. This happens to be in the country, in the home of Quincy A. Shaw McKean, Pride's Crossing, Mass., of which J. B. Leland & Co., were the architects.

PLANNING FOR EQUIPMENT

This is the Time to Prepare the House for

The Coming Winter Season

ETHEL R. PEYSER

While summer is still here and before the cool days of Fall have begun is the time for you to consider the preparation of your house for the coming winter. There were doubtless many changes which you planned to make before another winter rolled around; much new equipment which you planned to aid in the running of the house. It would be well now to make a complete survey of your home and to note every detail which may be in need of attention.

The cellar is the logical place to begin his survey. The heating system should first be considered. Does it keep the entire house at a comfortable temperature all winter long or are there some rooms which it seems impossible to heat during real cold spells? If so, consult with someone who can point out the exact cause of the trouble and suggest its remedy. If an entire new heating plant seems necessary, be sure to look the field over carefully before deciding the particular make to install. Ask among your friends and find the type they like best. Satisfied users are a product's best advertisement. But be sure that a new system is really necessary before you contract for it. The defects in your present furnace may merely lie in some faulty adjustment or in some minor detail which may be quite easily rectified.

Perhaps the house is difficult to heat because it is not well insulated. If so, find out where insulation is necessary and consult your architect for the best correction. In many cases doors and windows are not properly constructed and have cracks and crevices through which drafts enter. If this is the case some variety of weather-stripping should be used to make them withstand the winter's winds.

Any changes which affect the heating of the house should be commenced at once so that when the cool days of Fall come around they will find that the house is ready to withstand them.

Is your hot water supply all that you would wish? There is no excuse for being without hot water at any time in these enlightened days. There are many hot water systems now on the market, most of which are excellent and keep a constant supply of hot water on hand at all times at a minimum of cost.

Are you receiving the maximum of service from your electric installation? Are there any places in the house where additional outlets would be of convenience? Are there any dark corners or closets where new lights would be of help? Are there any places in the kitchen and laundry where outlets will facilitate the proper use of the equipment?

Consider whether or not the laundry is sufficiently equipped for the winter. Have you thought of the convenience of electric ironers, clothes washers and dryers? These conveniences have all been spoken of in detail in prior issues of House & Garden and, when rehabilitating the

(Continued on page 96)
An unusually practical type of cabinet clothes dryer is shown above. It is entirely self-contained and in place of the customary floor or overhead trolleys has easy-sliding clothes drying compartments. Shown by courtesy of the Judelson Evapo-Dryer Corporation.

TO LIGHTEN LAUNDRY LABORS

Above is an electric washing machine designed for small apartments as it takes up but fourteen square inches when in use. In operation it stands nineteen inches high. Eden Washer Corp.

When there is no electricity in the laundry a small gas stove of the type sketched immediately above is suggested. It provides a smooth all-hot top for flatirons. The Standard Gas & Equipment Company.

(Left) A practical electric or gas heated ironer for a small kitchen or laundry. In operation it occupies a floor space of 22 x 13 inches and when folded is about the size of a kitchen chair. Hurley Machine Co.
The sketch above shows the inside perforated basket compartment of the washing machine at the left. This feature spins the clothes dry.

The Salvage Arms Company

(Above) An excellent example of the oscillating type of washing machine. An important feature is the wringer at the top in which are incorporated the latest devices for safety and efficiency. By courtesy of Wallace B. Hart

A practical table for either a laundry or kitchen is shown below. It is of white enameled steel with a top measuring 26 x 48 inches. Laundry or kitchen supplies may be kept in the closet space. From Janes & Kirtland

Sketched above is a practical folding ironing board for a small laundry or kitchen. It is well braced and steady in use and when closed and put away takes up very little floor space. Shown by courtesy of Lewis & Conger

(Left) In the drawer and three separate compartments of this white enamelled steel cupboard may be stored such laundry necessities as starch, soap, bluing, etc. 87 inches high, 26 wide and only 12 deep. From Janes & Kirtland
Where there is insufficient closet space, a small cupboard in a woman's bedroom might be painted to conform with the room and fitted with divisions, shelves and compartments for hats or shoes. Furs may be stored in the space at the top.

A shoe closet with walls and shelves in a gay flower design. Additional shelves on the inside of the door have edges decorated in the same manner. Mrs. George Herzog, decorator.

An unusually well arranged linen closet in Miss Anne Morgan's house in New York City has shelves covered in floral glazed chintz. Below the shelves are drawers for the linens, while cupboards above provide space for the blankets. Mrs. George Herzog, decorator.
CONVENIENCE IN CLOSETS

The photograph at the right shows an interesting use for a small space between walls. In this tiny closet are shelves for the shoes, slippers and mules constantly in use, as well as a space below which may be used for rubbers or to store galoshes. It is in the home of Paul Hyde Bonner at Locust Valley, L. I. Jane Teller was the decorator.
A HOUSE ON THE
DEVONSHIRE
COAST

OLIVER HILL, Architect
The first story is of whitewashed brick, with Elm boarding above. The chimneys are of local stone as is the facing about the door. Along this rear side runs a pavement made of pebbles from the beach.

(Below) About this house there is the grace of a freehand sketch. It wasn't merely designed on a drafting board in an architect's office. It grew from its site naturally, and is the product of local labor and local materials.

This closer view of the forecourt shows how the various elements have been combined with fascinating irregularity. The handling of the stone in the chimney is especially worth noting. Somehow, the English architect seems to handle stone more sympathetically than his American brother in the craft.
Improvements along building lines are constantly being tried out. New wall finishes, roofing materials and all sorts of household equipment are coming into use, but, during the past few years, the materials of which house walls have been built have remained pretty much the same.

Quite recently, however, a type of wall construction has been presented which radically differs both in material and in structure from anything used here-tofore. This wall is built up of bricks which are about the size of hollow tile bricks. Each brick is made of fireproof fibre shavings compressed into a dense mass and has large circular holes through it. The wall is constructed so that these holes center over each other in the different bricks. After the wall has been built up, heavy wire reinforcing rods are dropped through the holes and then concrete is poured in. A series of reinforced concrete columns is thus created inside the wall, making it rigid.

This type of wall is claimed, by its originators, to have many advantages, among which are its insulating qualities and a rough exterior surface which is well adapted to stucco surfacing.

A waterproof paint which is especially adapted for use on a stucco wall may now be obtained. Its desirability is due to the fact that the action of water has no effect on it. In fact, as it is a cold water paint, water only makes the color more fast. This paint may be used to give the wall the original color or it may be used on the stucco to restore the original color after discoloration from weathering or from rust stains.

It is purchased in a powder form and may be obtained in sixteen different colors and white. Four pounds of the powder will make, when mixed in the proper proportions with water, one gallon of paint. This will cover an average of one hundred square feet of wall surface. The manufacturers recommend that the paint be applied with some type of spray, although an ordinary whitewash brush may be used. After a wall has been painted it may be washed at any time with ordinary soap and water or with ammonia, to clean it of dirt, and the color will remain.

Although this type of paint was produced for use on stucco exteriors, it may also be applied to interior walls where color tinting in the Spanish and Italian styles is desired. It cannot, however, be applied over wood boarding or on any surface which has first been painted with an oil paint. Another suggested use for this paint is for outdoor or indoor swimming pools. In fact it is claimed to be excellent as a finish for any surface which must endure the constant action of water.

A new thought in radiator equipment has lately come forth in the form of a radiator which is entirely concealed from view in the walls of a house. These radiators are obtained in units which consist of a radiator enclosed in a steel cabinet with a cold air inlet in its base and a hot air outlet grille with damper at the top. The complete unit is thin enough to be placed in either an outside wall or any interior partition of the house. After the unit is in place and the room is plastered and decorated the only indication of its existence, other than the heat in the room, is the small grille near the ceiling and the opening in the baseboard. The cabinet which contains the radiator has sufficient space to care for all necessary piping. This type of radiator may be used for steam, vacuum or vapor radiation.

The grilles through which heat enters a room may be concealed in a number of ways or may be introduced into the paneling or other decorative treatment of a room. The manufacturers issue an attractive booklet giving suggestions for the proper placing of the heating units and grilles in every room of a typical house.

As this type of radiator is designed to meet the demand for radiators which are entirely concealed, its cost, while it is reasonable, should not be compared with the cost of the ordinary types of radiators.

To keep the house warm in winter and cool in summer dead air in the walls has been found to be the best insulation. It is also excellent for sound insulation. For this reason most materials on the market for insulating houses either contain spaces to hold air or seal wall spaces which will contain dead air.

One of the newer materials for this purpose has a novel but practical way for keeping air within walls, ceilings or floors. This will cover an average of one hundred portions with water, one gallon of paint. It is purchased in a powder form and may be obtained in 50 special shades. A gypsum powder which contains a proportion of mineral yeast is sifted into the space where insulation is desired. Water is then poured over this powder. The chemical reaction is very similar to the action of yeast upon flour in the making of bread. The whole mass rises to many times its original thickness or depth and consists of myriads of small bubbles, each containing air. Each bubble is entirely separate from every other one; therefore many layers of good insulation are obtained.

It is claimed by the manufacturers of the insulating material that by the use of a one-inch coating of it in a ceiling, heat losses will be reduced by 25%; by the use of two inches, 65%; and by the use of three inches, 77%. Ceiling insulation is one of the most important factors in house insulation, as warmed air rises to the top of a room and if the ceiling is not well insulated the air is cooled, making reheating of the room necessary.

Under ordinary conditions the mass will dry and set in from 20 to 30 minutes after water has been added to the powdered compound.

For people who wish distinction in their household fittings a firm has lately placed on the market a complete line of flush plates made for the standard electric outlets. These are to receive switches, push-buttons, plug receptacles, etc.

In texture this type of fitting more nearly approaches an ivory finish than any other to which it can be compared, and can be obtained not only in white but in 28 standard colors. The variety of colors in which they may be had allows the home decorator to obtain the color fittings which will most closely harmonize with the color scheme in which the room is decorated.

For the white tile bathroom the plates can be of ivory white. Similarly in the other rooms they can be matched to the wall paper, the paneling, or possibly to the curtains or draperies.

The composition of which these plates are made is created from powdered milk by a special chemical process and is non-inflammable as well as being a non-conductor of electricity. Besides the 28 standard colors, they can also be obtained in 50 special shades.
A part of the south side of the home of Charles E. Brinley at Chestnut Hill, Penn., is shown above. The exterior of the house is finished in rough stone painted with a thin mixture of white cement and lime.

A three-car garage is in the foreground and the chauffeur's cottage is just across the road. The latter with its overhanging second story is a reproduction of some of the early New England Colonial types. Tilden, Register & Pepper were the architects.

This plot plan shows the layout of the grounds and both floor plans of the house. Note the stream which cuts across one corner of the estate and may be seen from the terraces. These brick terraces are made necessary by the slope of the ground.

NEW ENGLAND ARCHITECTURE

in

PENNSYLVANIA
I Jielozi) A circular stairway lends both grace and interest to the spacious entrance hall. The 18th Century wall paper gives color and an air of authenticity to it.

(Below) A circular stairway lends both grace and interest to the spacious entrance hall. The 18th Century wall paper gives color and an air of authenticity to it.

(Below) Looking from the dining room into the hall. The dining room is papered in a Colonial design of ships. The paper in the hall is in a grape and urn design.

The large airy porch shown in the photograph above overlooks the estate. A stream which cuts across the grounds may be seen below. The porch is floored with brick.
The principal facade of the house is shown above. As the grade of the land dropped 18 feet in the length of the residence, the mass was designed to compose with the general slope.

A close view of the children's entrance showing the textural treatment of the exterior of the house which was designed in the manner of the Colonial farmhouses of New England.
In this house, designed by the author, the half-timbering is applied to the wall instead of being an integral part of the construction of the house. This is advisable because of our dry American climates.

BUILDING THE HALF-TIMBER HOUSE

In Most American Climates Applied Half-Timber Is More Advisable than Half-Timber Construction

RICHARD POWERS

ENGLISH architects and the purists will probably snort at the idea, but there are occasions and places when half-timber construction cannot be what it seems.

In the beginning half-timber was an integral part of the construction of a house, and it was called half-timbering because half the timbers were exposed. They formed the structural skeleton of the building. The spaces between the timbers were filled with brick "nogging" or with plaster daubed on wattles. There are still many houses in England where this wattles-and-daub style is to be found. Often the brick was laid in amusing and decorative designs. Thus in the old half-timber houses we had a combination of materials—the sturdy timbers, the rough plaster or brick, which might be left in its red state or whitewashed. For the roof there were used tiles that in time accumulated moss. It was a primitive, direct and simple form of building.

This, remember, was in England, where the precipitation of moisture is usually constant. Turn to the American scene and, save in rare instances, our climate is dry and our summers are hot. How do these two climatic facts influence half-timber construction?

Since Oak is usually the timber selected for the skeleton frame of a half-timber house, we first require long-seasoned and thoroughly dried heavy beams. These are never cheap and not always available. Moreover, they must be placed with great precision lest the moisture from the walls cause the timber to swell and move the plaster or brick nogging. When it dries again, cracks invariably appear. Since such timbers are expensive and since there is this danger of their swelling and contracting, the English style of true half-timbering is not universally used in this country. The average American half-timber house is really a house on which the timbering is simulated by being applied. Certainly for the small home builder it is wiser to use a structural frame entirely independent of the Oak half-timber work seen on the outside of the house.

The way such a house is built is simplicity itself—the usual timber frame is run up inside the walls and protected from the action of the elements. On to this are secured and attached the Oak members or planks which give the half-timber effect. After these Oak planks have been securely attached to the structural frame the builder can, at his discretion further simulate the old structural effect by using three-quarter inch round Oak pegs where the half-timber members intersect.
Both in the use of these pegs and in applying the decorative Oak planks the greatest restraint should be used. Crazy designs and hit-or-miss application will invariably lead to failure. Remember that half-timbering is presumably structural and that the planks should be placed in the positions they would naturally have if they were structural timbers. Study some good books or photographs of English half-timbered houses before venturing on this part of the design.

Where brick is used, the nogging is fairly simple. The wall is run up in the usual fashion, then chipped out and the decorative half-timbering set in. Of course, if brick designs are desired between the timbers, provision must be made for them while the wall is being built.

In using exterior plaster between the timbering, as shown in the accompanying illustrations, a key of some sort must be cut in the Oak members so that the plaster work is held rigidly in place.

The house designed to illustrate these points is taller than one usually finds an English cottage. It is three stories high and most of the half-timbering is used on the two upper stories. The walls are hollow tile plastered but could be of whitewashed brick, or the plaster could be put over an expanded metal base built on to a timber frame.

Many English cottage elements have been incorporated in the design—the covered entrance portico, the ranges of casement windows, the tucking of windows up under wide-hanging eaves and an overhanging second story. Decorative downpipes so characteristic of English cottages, have been indicated. The chimney wears a typical terra cotta pot. Among the pleasant features is the way shadows are cast on the walls by the overhang of the second story and the wide eaves. One of the detailed drawings shows a rough-hewn wooden bracket that helps support—or appears to support—this overhanging second story. This feature, by the way, can be found on many early Colonial houses, its source, of course, being England.

(Continued on page 98)
The late 17th Century windows on Harlington Manor, Bedfordshire, mark the gradual transition from the Tudor to the Classic style of architecture in England.

(Below) Wyatt windows, at Ampthill in Bedfordshire. James Wyatt was an 18th Century architect who originated this modification of the Palladian motif.

Windows at the back of the Spencer cottage, Broadway, Worcestershire. The upper one is a form of shallow bay and has leaded casements and wood mullions.

(Below) These windows, on the south front of Owlpen Manor, Gloucestershire, are ranges of leaded casements which are divided by a number of stone mullions.

Windows on the east front of Eginton Manor, Bedfordshire, built about 1707 and typical of the Queen Anne style. Note the wide face of the frame, the small panes and broad mullions.

Windows on the east front of Eginton Manor, Bedfordshire, built about 1707 and typical of the Queen Anne style. Note the wide face of the frame, the small panes and broad mullions.
Diversified Windows from England

A stone mullioned bay window of three tiers of lights, lighting the southeastern end of the library at Asthall Manor, Oxfordshire. The bay is a recent addition to a library formed from an old barn.

(Left) Another modern bay window which conforms with the architecture of Lygon Arms, Broadway, Worcestershire, to which it was added. The composition is a modification of the Tudor style.

A pair of one-story bay windows on a little tavern in Northamptonshire. These bay windows are exceedingly simple in conception and are capable of turning the entire end of a room into a sun parlor.
The living room in the residence of Mrs. Thomas B. Siwein in Washington, D.C. is notable for the beauty of its balanced furniture groups and for the interesting assortment of plain and patterned fabrics used on the arm chairs.

In this charming fireplace group, the graceful sofa and end table are balanced by a large table and pair of arm chairs. It is in the home of Mrs. Ashton Rollins, in Washington, D.C. Elise Cobb Wilson was the decorator of both rooms.
The end-table and side chair in the arrangement at the right are successfully balanced by a small stand and arm chair. A decorative tapestry and pair of wrought iron torchères with drum-shaped shades complete this attractive group. Alice McCreary was the decorator.

A livable as well as effective furniture arrangement for a living room side wall is shown in the photograph above. Nicely balanced also is the table group at the end. In the New York residence of Mrs. Clifford McCall, Diane Tate and Marian Hall were the decorators.
THE VEGETATION WHICH SPREADS ITSELF ON THE SIDES OF THE MOUNTAINS, WHETHER IT BE IN EUROPE OR IN THE FOUR OTHER CONTINENTS, SHOWS A MARK OF INDIVIDUALITY, A CHARACTER OF ITS OWN, WHICH STrikes AT FIRST SIGHT EVEN THE MOST UNSUSPECTING OF TOURISTS. AMONG THE PLANTS THERE THE STEMS ARE GENERALLY SHORT, THE BODY OF THE PLANT COMPACT, DWARFED, AND THE FLOWERS OF A SIZE RELATIVELY EXAGGERATED, SEEMING TO DEVELOP THEMSELVES TO A MUCH GREATER SIZE THAN ELSEWHERE.


MANY VARIED TYPES

THE SPECIES WHICH GROW IN COOL, SHADY PLACES SHOW NEITHER OF THESE CHARACTERISTICS; THEIR CORRESPONDING ORGANS ARE INSTEAD SOFT AND DELICATE.


ANOTHER CONTRAST EASY TO OBSERVE IS THAT IN THE SUN THE FLOWERS OF THE ALPS GROW TO A GREAT SIZE. THE COLORS ARE BRIGHT AND DAZZLING WHILE ON THE CONTRARY IN THE SHADE THE FLOWERS ARE MORE OFTEN SMALL AND INCONSPICUOUS AS TO COLOR. THE INFLUENCE OF THE SUN SEEMS THEN TO BE MORE INTENSE IN THE HIGH ALTITUDES THAN ELSEWHERE.

THE ANNUAL SPECIES SO ABUNDANT IN THE VEGETATION OF OUR PLANTS IS ALMOST ENTIRELY LOST ABOVE THE SNOW LIMIT. THE SHORT SUMMER ALLOTTED TO THEM DOES NOT ALLOW THESE PLANTS TO ACQUIRE IN ONE SEASON THE COMPLETE CYCLE OF THEIR EXISTENCE. THE ONLY SPECIES WHICH ARE NOT PERENNIALS ARE SOME EUPHRASSIAS, SOME LOUSEWORTS AND ONE OR TWO GENIENS. EVERYWHERE ONE SEES PERENNIAL PLANTS WITH OFFSHOTS BRANCHING AT THE BASE, SPREADING ON THE GROUND FROM WHICH THEY SEEM TO SEEK PROTECTION AGAINST THE CHILL OF THE COLD NIGHTS AND THE BAD DAYS, WHICH ARE NUMEROUS EVEN DURING THE SHORT SUMMER WHICH IS ALLOWED TO THIS VEGETATION.


FLOWERS WITHOUT STEMS

THE DWARF MYOSOTIS ETRICHIUM MONOON GROWS IN OUR HIGH ALTITUDES, AS WELL AS ON THE ROCKS OF THE HIGH MOUNTAINPEAKS OF NORTH AMERICA, PAINTING A VERITABLE HEAVEN OF AZURE, A DEEP AND DELIGHTFUL BLUE WHICH THRILLS AND CHARMS YOU, A SPECIAL BLUE WHICH BELONGS TO THIS FLOWER ALONE. IT IS NOT ONLY A MYOSOTIS, IT IS A JEWEL; ITS CLOSELY SEATED PETALS, WITHOUT STEMS, ARE Laid AGAINST ONE ANOTHER SO CLOSER THAT THE WHOLE Mass SEEMS LIKE A STROKE OF THE BRUSH IN A BEAUTIFUL PICTURE. BY ITS SIDE IS SPREAD OUT THE GLACIAL ANDROSACEAE, WHICH IS OF AS TENDER A PINK AS THE MYOSOTIS IS BLUE AND IS ALSO DWARFED AND CLOSELY SHAVEN, PRESENTING TO THE EYE THE MASS OF STEMLESS FLOWERS, COMPACT AND IMBODED IN THE CLUMP. THE TINT IS PALE OR DEEP; IT Varies FROM PURE WHITE TO THE MOST VIVID PINK.

(Continued on page 136)
AN ADJUNCT TO THE GREENHOUSE

On the estate of Mrs. W. L. Hackness, at Glen Cove, N. Y., the workrooms of the greenhouse range have been given more than the usual architectural treatment. A shingled building with a Colonial portico and entrance adds attraction to the garden. Charles S. Kierte, architect
HOME ORCHARDS AS THEY OUGHT TO BE
Wise Selection of Varieties, a Good Planting Plan and Correct Soil Are the Foundations for Abundant Fruit
M. G. KAINS

EVERY now and then some country home owner says to me in substance: "When I was a boy my grandfather always had an abundant supply of delicious fruit. There wasn't a break all the year around, and we didn't have cold storage, either. Now, I want to have just such an assortment of fruit on my place. How shall I go about having it?"

Before going into a detailed answer to this question, let us remember that since "grandfather's day" many changes, some of them not improvements so far as quality is concerned, have been made in lists of varieties, in ways of managing the plants, in controlling enemies and in handling the fruit. During these decades fruit growing has developed into a tremendous commercial business, the inevitable result being that many choice varieties have been dropped by nurserymen because they are not commercially profitable. This has tended to lower the quality average of available fruit in the markets.

When the available space is unlimited it is advisable to set out the various fruits in separate areas, just as commercial fruit growers do, planting Pears in one area, Plums in another, Grapes separately, and so on. This facilitates operations in handling the various crops. The only conspicuous commercial exception to this plan is the planting of young Peach and Apple trees alternately, the plan being to pull out the Peaches when they begin to fail or when the Apples need all the space.

When the space is not unlimited but still is fairly liberal the above plan may be modified by dividing the fruits into four or preferably five groups: tree fruits, Grapes, Strawberries, cane fruits (Raspberries and Blackberries), bush fruits (Currants and Gooseberries). The last two groups may be planted adjacent to each other.

When the area is so limited that only, say, half an acre can be devoted to fruit, and where we want to grow the greatest assortment of kinds, the best plan is to divide the space so each of the above groups will ultimately have its allotted section, though while the orchard is developing the space between the trees may temporarily be filled by other fruits. Grapes, however, should never be planted in an orchard or near trees.

In this article we will assume that we have half an acre to devote to tree fruits separately. We will also assume that we want to grow the greatest possible assortment of tree fruits adapted to the climate of New York and middle New England. This restricted area will compel a series of eliminations. First we should rule out all staple culinary varieties such as Baldwin and Greening Apples, Bartlett and Kieffer Pears, Lombard and German Prune Plums, and Elberta Peaches. In their seasons these can always be bought at reasonable prices, anyway.

Next we will omit, or at least plant sparingly of varieties that ripen when there is normally an abundant supply of other fruits. For instance, during August and September there are Blackberries, Peaches, Grapes, Plums, early Pears and Apples, none of which can be kept long but all of which should be adequately represented.

We will then try to avoid gaps in the home supply. The most conspicuous of these is likely to occur after the September menu just mentioned has given out. There are no really choice Peaches or Plums that ripen in the vicinity of New York City during October. But there are several...
The proper placing of limbs is shown at the right. A tree like this is sound in structure, for the danger of splitting caused by several main branches starting from the same point is avoided.

 Delicious Pears and many Apples, very few of which are ever obtainable in the stores. Most of these varieties will maintain their excellence for a month to two months or even more with only the most ordinary common-sense care. As far as possible we will give reference to Apple and Pear varieties which begin to bear within five or six years rather than to those which delay for ten or fifteen. The other tree fruits usually start to bear before they are five years planted. Several of the slow ones are delicious, but we are in haste to get our own fruit.

Having made these decisions, the next step is to draw a planting plan. For convenience let us say that our available area is 100 by 200 feet or 125 by 250. The former is a little less, the latter little more than half an acre. Then if we will try to visualize the trees as full grown we will have more likely to allow adequate space between them than if we see them only in their little nursery stock sizes. The tables of distances given in the fruit books are mostly adaptable for business plantations. If we stick to them strictly in our small area we will lose neither symmetry nor convenience in handling our orchard because these distances vary for the various kinds of fruits.

The best way to avoid these objections is to adopt a unit that will both provide adequate space between trees and permit placing bush and cane fruits but not Grapes temporarily—say five to ten years, perhaps a little longer in these areas in such a way that they may be cultivated by a horse or a tractor from each direction. For the home orchard, 25 feet between trees may look too liberal, but with proper care the Peach and other small growing trees may be allowed to remain much longer than would be the case at less distances. Even the Peach whose average commercial life is only ten years may be kept vigorous and prolific for twice or three times as long. Why not give it that chance? Fifty trees, including twelve Apple, fifteen Peach, ten Pear, seven Plum, three sour and three sweet Cherry, will give a liberal supply and variety for the ordinary sized family, provided the varieties chosen ripen successively.

While Apricot trees are hardy, the blossoms are often destroyed by frost; so we will not include them in our orchard plan. But since the trees are beautiful when in flower they deserve a place among ornamental trees. Any fruit they yield will be just that much to the good. Apricots ripen during late June and July, mostly. Quinces may also be treated as ornamental shrubs, not because they are tender but because they need only about 12 feet of space between bushes. One or two bushes will usually be sufficient for a family supply.

We will place the outside rows of trees well inside the fence preferably half the distance between trees—10 or 12/5 feet. This will allow space for turning the tillage tools. As most Apple and all sweet Cherry trees grow very large, they must be given ample space—forty to fifty feet. The Pear, while usually not so large-growing, is long lived and when mature is naturally larger than the other fruit trees. The Peach, Plum and sour Cherry trees may be placed at 20 or 25-foot intervals.

If planted 25 feet apart and well managed such an orchard should continue productive as follows: Peaches, (Continued on page 108)

In planting, the soil should be well worked in among the roots with the spade before planting it down solidly. It is essential that no air pockets be allowed to exist underground in the root area.
The station at Medford, N. J., is not only architecturally meritorious, but its grounds as well have been planted with pleasing and dignified landscape effects. This and the other photographs are shown by courtesy of the Delaware, Lackawanna & Western Railroad Company.

STATION GROUNDS FOR TOWN BETTERMENT

How the Railroad and the Town Can Co-operate to Give the Community an Attractive Gateway

JOHN ALLEN MURPHY

A COUPLE of years ago an Australian publisher visited the United States. I asked him what most impressed him in this country. "The fact that you raise so few flowers, shrubs and decorative plants," was his surprising response. "I have traveled from the Pacific Coast to New York. While I found your natural scenery entrancing, your towns are anything but inviting. Whenever we passed through an urban community, I could see nothing but warehouses plastered with gaudy posters, poultry runs, coal and lumber yards, and ash heaps decorated with tin cans."

I explained to the visitor that he had made the mistake of judging our towns by what he could see of them from his Pullman seat. I told him that our railroads passed through the most unattractive sections of our cities and that because of the kind of business enterprises necessarily located near the railroad yards, it was difficult for the railroads to beautify their terminals or rights-of-way.

Despite the development of the automobile, the railroad is still our most important means of transportation. Annually it brings thousands of persons into a town. It carries many other thousands through the town. It is unfortunate that these travelers should get their first, and, in some cases, only view of the community from the trains. They naturally get the impression that it is as drab, smoky and warehoused-ridden as its railroad approach. The inevitable conclusion is that the community is not a pleasant place in which to live, to shop or even to visit. Thus an uninviting gateway to a city is a bad advertisement for the place that may hurt it both socially and commercially.

But what can be done about it? Is a community doomed always to have an ugly railroad approach?
The managements of a number of railroads have decided that their depots and station grounds can be made attractive without in any way interfering with their utility. Practically all the roads are now building architecturally acceptable stations. Some of them have gone further, and are landscaping their station grounds and are planting their right-of-ways with vines and shrubs. This is particularly true of the commuting roads that cater to residential suburban communities within a short distance of large cities.

This tendency has been helped by a number of developments, which now make it possible for the railroads to beautify their properties. Some of these developments are: (1) Zoning laws which keep factories away from residential sections. (2) The rise of the residential towns, in which a minimum of commercial business is carried on. (3) The electrification of the railroads or the burning of hard coal, which does away with the smoke nuisance that made it almost impossible to maintain plant life in the vicinity of railroad yards.

The Delaware, Lackawanna and Western Railroad was one of the first railroads in this country to undertake a program of landscape development. It started the work prior to 1900 but has been carrying it on systematically ever since that year. To a certain extent the road landscapes all its stations, except in the larger cities where plantings are impracticable.

Naturally its more extensive plantings are in the suburban towns near New York City. The size of its landscaped plots range from narrow strips in front of some of its stations to veritable parks about others.

The program of landscape development which the Lackawanna established in 1900 was so vast that for the first ten or fifteen years the company did not seem to make much headway in carrying it out. But it kept planting—each year putting thousands of shrubs, vines and perennials into the ground. It took years for these young plants to grow to their normal size and to fill in the space that they were intended to beautify.

In the meantime the company used annuals and hothouse plants to decorate its grounds. From 250,000 to 300,000 hothouse plants were used each year. As the shrubs and perennials established themselves, however, gradually the yearly planting of annuals decreased until at present the use of annuals has been virtually abandoned.

Some questions that will be likely to occur to the reader at this point are: Why should a railroad go to all this trouble and expense? What does it accomplish? Do (Continued on page 118)
AN EXAMPLE
of
DISTINCTIVE
ARCHITECTURE

A deeply recessed doorway, such as the one shown at the right lends an air of stability to a house. The refinement of its carving and moldings make the doorway the principal architectural feature. This house is finished with both stucco and shingles. Wilson Eyre & McIlvaine, architects

This interesting house, designed for Mrs. Edward Roberts at Paoli, Pennsylvania, has achieved an architectural informality which is unusual in such a large residence. The paved courtyard and excellent landscaping add greatly to the composition. Robert Wheelwright, landscape architect
PAINTS AND VARNISHES

The Different Types of These Finishes and Their Composition, Characteristics and Use

HENRY B. RAYMORE

PAINTS and varnishes serve as a protection to a surface, enclosing it under an impenetrable film, thereby preventing the ravages of weather and fungi. In order to accomplish this, the film must be made to spread evenly and thinly and to withstand for a long period the action of the elements. Their condensate use is for decorating the surface on which they are employed, a function whose importance must never be allowed to cause us to lose sight of their more important mission of preservation.

Paints may be classified in general as following—oil paints, varnishes and shellacs, water paints, stains. Oil paints consist of white lead, boiled or raw linseed oil, and often zinc oxide. The function of the oil is not only that of a vehicle for the pigments, but since it dries into a tough film, it acts as a preserving agent. Paint is coloured by adding various mineral pigments. Flat paints are made with a large amount of volatile “thinner” and less oil. The thinner evaporates leaving a dull flat surface. Enamels are made by substituting varnish for oil, which gives a hard glossy surface.

KINDS OF VARNISHES

Varnishes are of two kinds: "oil" and "spirit". Oil varnishes are a solution of resinosous substances in linseed oil, thinned with turpentine. Spirit varnishes are made with alcohol instead of oil. Varnish is easy to adulterate, resin often being substituted for the more expensive resins. These resins are fossil gums of tropical origin, known as Kauri, Manila Copal, Damar, and Zanzibar Copal. Inferior varnish can usually be detected by the water test. Let a wet sponge stand for several hours on the surface to be tested, and if the varnish is unaffected, it is of high quality; if it turns white but regains its original lustre after drying, it is of medium quality; if it turns white and remains so, it is an inferior resin product. Shellac is the commonest and most useful of the spirit varnishes. It is made of gum shellac dissolved in alcohol.

Water paints consist of ground whiting or similar powders mixed with glue, casein, some other adhesive, and then thinned with hot or cold water. Earth pigments giving a variety of tints can be added as desired.

Stains are perhaps the most abused members of the paint family, because they are the least understood. They are either acid, varnish, amile or water stains, depending upon the medium which is used to carry the pigment.

Oil paints are generally used for exterior work and for interior trim. White lead and oil, with the necessary color pigment added, is best for all exterior work. Flat paints and enamels are adapted only to interior painting and can be used according to one's personal preference. Three coats at least should be applied for exteriors, and three or four for interiors. If enamel is used, the three under coats can be of lead and oil. In new wood, knots should be shellacked before applying the first coat to prevent the pitch from striking through. Nail holes and imperfections should be puttied after the priming coat has been put on. Each coat should be allowed at least seventy-two hours in which to dry before applying another, and before enamelling the surface should be smoothed with sandpaper. Better results are obtained by putting on several thin coats than two or three thick ones. Oil paint cannot, of course, be used where a natural wood finish is desired, and it is not satisfactory for floors unless varnished, as the painted surface is not tough enough to withstand traffic. For plaster surfaces and work which gets little wear, or which is to be done cheaply, there are several patented paints on the market. There are various “liquid cements” made from Portland cement, asbestos, sand and linseed oil or kerosene, which are adaptable for both exterior and interior work. They are capable of giving very interesting trowelled, sand blown and modelled effects due to their heavy body.

Varnishes are generally used where natural wood finishes are desired. Only the best quality should be employed as poor varnish soon deteriorates and the surface must be done over which makes an expensive and troublesome job. Floors are best treated with shellac and wax, because if worn places appear they can easily be patched, whereas varnished floors must be done over entirely each time. Varnishes may now be had in a great variety of beautiful shades so that it is no longer necessary to apply first a stain and then a clear varnish. For fine surfaces “rubbing varnish” should be used. This contains a relatively high percentage of resin, dries very hard, and can be highly polished. Rub down with powdered rotten stone or pumice between coats. “Spar” varnish contains less resin and gives a more flexible and weather resistant finish. It is best for exterior wood work, porch ceilings, floors, and generally wherever hard wear is liable to occur. Shellac should never be used for exteriors or where the surface is subject to washing or scrubbing, as it will not endure this treatment. If used on floors it must be waxed.

Water paints are useful mainly for tinting walls and ceilings. They are not easily cleaned and are therefore unsuited to kitchens or bathrooms. In applying them a sparing use of thinners should be first applied to kill the plaster. One coat of water paint is then sufficient. In doing over old work, all the water paint should be washed off, as it has a tendency to flake off if applied in thick layers.

THE USES OF STAINS

Acid stains are used to bring out the silver gray tints in pine and cypress. This effect is obtained by the burning action of the acid. They are hard to apply and should not be attempted by the amateur. Varnish stains are merely a thin varnish acting as a vehicle for the pigment. They are intended to be used as a preparation for varnish or shellac. Aniline stains are made from amine dyes and are liable to fade rather badly. Their colours too, are somewhat too brilliant for most uses. Water stains are merely solutions, or suspensions of pigment in water. They fade, and also on soft woods have a tendency to roughen the surface by raising the grain. They are non-preserveable. Shingle stains are really very thin paint, with creosote or some other wood preservative added. This is effective only until it evaporates. Shingles should be dipped rather than painted, as in this way all of the surfaces are reached and not merely the exposed portions.

“DON'TS" FOR THE PAINTER

1. Don't paint in wet weather.
2. Don't paint unless the surfaces are not only absolutely dry, but clean and free from dust.
3. Don't thin your paint with gasoline, kerosene, or anything except turpentine.
4. Don't hurry. Give each coat at least seventy-two hours in which to dry.
5. Don't paint varnished surfaces without first sand-papering.
6. Don't try to get all the paint on in one coat. Many thin coats are much better than a few thick ones.
7. Don't forget to shellac knots before painting.
8. Don't forget to putty holes before priming.
9. Don't use water stains on soft woods.
10. Don't use cheap materials. Use only the best quality. The difference in cost between good and poor paint is nothing as compared with the bother of applying it.
The small but efficient knife sharpener shown above should be in every kitchen. Just turn the handle and draw the blade between the revolving discs. Included also is a special attachment for sharpening scissors.

Over the sink in the sketch above is a small cupboard of enameled steel for brushes, soap and other sink accessories. (Right) For the food that doesn't go into the refrigerator come transparent fiber food covers in various sizes.

(Above) A vast improvement over the old three-cornered sink strainer is this aluminum refuse receptacle with its inside strainer. The sketch at the top of the page shows it in position under the sink.

NEW

HOUSEHOLD

EQUIPMENT

The cutter at the left in the picture below cuts cookies as it rolls along. The other implement is a fancy cookie press that makes delightful little cookies, tarts, and jumbles, plain or ruffled, according to the die used. All the articles on this page are shown by courtesy of Lewis & Cooper.
Above is an ingenious new kitchen utensil that reams oranges, beats eggs and sharpens knives, all by the turn of a handle. The photograph at the left shows the utensil with the knife sharpening disc in place. In the center is shown the use of the beat attachment for whipping cream or eggs, and in the picture at the right is shown the fruit juice extractor.

This collection of household brushes contains a soft brush for furniture, a shaped brush for cleaning tufted chairs, along handled scrubbing brush, a slender brush for cleaning radiators, and a stair carpet brush with coarse, stiff bristles. At the bottom is shown a long handled hearth brush.

An ideal small cabinet suitable for use in a kitchenette is shown in the sketch at the right. It measures 27 inches high, 24 inches deep and is only 27 inches wide. It is constructed of white enameled steel.

The wooden handles on the aluminum spoons above are strongly fastened and never get hot. This set includes a cake turner, slotted spoon for mixing and stirring, basting spoon, ladle and oval ladle for pouring gravy. All the articles on this page are from Lewis & Cooner.
**The GARDENER'S CALENDAR for AUGUST**

This Calendar of the gardener's labors is planned as a reminder for all his tasks in the garden; but should be available for the whole country.

<table>
<thead>
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<th>Sunday</th>
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<td>1. <strong>Strawberry plants</strong> should not be planted until the ground has thawed in the spring. To secure the maximum production, do not plant them in the fall; but in the spring. For the first early crops, plant in March or April; for the second crops, plant in May or June. There are also a number of early mid-season and late varieties.</td>
<td>2. <strong>Taller growing varieties of Gladiolus</strong> should be started to protect them from freezing. For individual planting, dig out a hole just large enough for the bulb, and firm the soil around it. For rows, saw a trench like a furrow.</td>
<td>3. <strong>Uncultivated weeds</strong> should be left standing throughout the winter to protect the soil. After the seeds have grown, they will be plowed or spaded up.</td>
<td>4. <strong>The tops of the flowering plants</strong> should be left standing until after the seeds have grown.</td>
<td>5. <strong>Folks like to have their maple sugar</strong> collected early in the season.</td>
<td>6. <strong>Narcissus plants</strong> that have been raised on the farm can be obtained at a very reasonable price.</td>
<td>7. <strong>Early Celery</strong> is ready to be broken off and put in the sea. The soil with earth in it should be kept free.</td>
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<tr>
<td>8. Every seed that ripens and sprouts is a seed minus more work.</td>
<td>9. <strong>Treasure drawings of newly grown seedlings</strong> should not be done until the ground has thawed in the spring. Get seeds out of the ground before they mature, and be sure to remove all of the roots.</td>
<td>10. <strong>The compost heap</strong> is a garden tool to which addition may be made throughout the year. It is an excellent soil improver.</td>
<td>11. <strong>Adequate depth of leaf litter</strong> is the remedy for all sorts of building works.</td>
<td>12. <strong>Landscape mowing</strong> from kitchen and table weed: 1 inch into the vegetable garden, eventually reduced to a lower height.</td>
<td>13. <strong>For the finest Dahlias</strong>, disbudding should be continued to the end of the season. It is absolutely necessary to remove the top bud, this will keep the plant from flowering through the summer months.</td>
<td>14. <strong>Do not cut down</strong> the flower of a Pulsar. It is necessary to keep some of the seed in the flower. The plant grows by the flower.</td>
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**FRANK MILES Day**

One of America's leading landscape architects, Mr. Day did much to improve public parks in the art through the living examples which came from his hands.

**F. L. OLMSTED, Jr.**

Mr. Olmsted is one of America's prominent landscape architects whose work House & Garden has frequently shown during the past twenty-five years.

**AUTHOR A. SHUSTER**

Mr. Shuster is a practicing landscape architect of Boston, has designed many attractive gardens some of which have been shown in House & Garden.

---

*JAMES HOGG*
PRINTANIER!

A soup made from the first tender young vegetables of the early spring!

In the summertime this beautifully clear soup of exquisite flavor is perhaps even more delightful when it is JELLIED!

You simply put the can on ice overnight and the soup becomes a dainty, amber-colored jelly—a charming delicacy.

Campbell's Printanier Soup is made with a rich chicken consomme blended with clear broth of beef. The carrots and white turnips are cut in small fancy shapes. Celery, peas, Savoy cabbage, parsley and a touch of leek add to its deliciousness.

For the formal luncheon or dinner and for many a summertime family meal, Printanier is a delightful selection.

12 cents a can

Look for the Red-and-White Label

WITH THE MEAL OR AS A MEAL SOUP BELONGS IN THE DAILY DIET!
The New, Easy Electric Way to Polish Waxed Floors and Linoleum Quickly—
without Stooping, Kneeling or even Soiling Your Hands

OLD floors or new, of hard or soft wood, linoleum, tile or composition—whether originally finished with varnish, shellac, wax or paint—all take on new brightness and beauty with the Johnson Wax treatment.

All you do is to spread on a thin coat of Johnson's Pol' with varnish, shellac, wax or paint—all take on new brightness and beauty with the Johnson Wax treatment. This is a copy of a pattern used on the decks of ships and is made of wide and narrow boards laid at random. Some are as wide as ten and twelve inches.

ELECTRICITY does all the work many times quicker and better than old-fashioned hand methods. Then run the Johnson Electric Polisher over the waxing wax. This cleans as it finishes.
"Company" towels for every-day use
How you can have them

Peep into the bathroom of the little house on the hill, and there you will see heaps of snowy towels. Towels that are beautiful to look at, soft and pleasant to touch, the kind some people think of as "company" towels, and which are carefully put away until guests come.

But the mistress of the little house has found "company" towels and every-day towels can be identical if she buys the Cannon brand. For Cannon towels, even the "company" type, come within the price she can afford to pay for towels for daily family use.

Millions of women have learned about the remarkable values offered in Cannon towels. They buy them in greater number than all other towels combined. More than half the towels sold in America today are made in the Cannon mills. This vast production means minimum manufacturing cost, and a minimum selling price.

No matter what type of towel you want, you can buy it for less by selecting from the Cannon line. The hotels of America know this. Most of them choose Cannon towels because they have found Cannon towels to be the best towel investment they can make—from the standpoint of first cost and durability too. Cannon towels come in almost unlimited variety. Great luxurious bath towels, gorgeously bordered or patterned in colors. Medium sized towels, not quite so heavy in weight. Little towels (also of turkish weave) which men like so well for shaving. And hosts of splendid huck towels for the hands and face. You can buy them singly or by the dozen at prices ranging from 25 cents to $2.50 each. Sold only in dry goods and department stores. Cannon Mills, Inc., 70 Worth St., New York.

All Cannon towels patterned or bordered in color may be washed and boiled as fearlessly as all white. They will not fade. Every towel is subjected to the severest test of color and proved absolutely fast before it leaves the mill.
Now You Can Have fixtures that never grow dingy

In modern bathrooms and kitchens, rusty, discolored metal fixtures are an eyesore. Even in a new home corrosion begins to set in within a few weeks of the installation of the fixtures and constant polishing is required to keep them presentable. And in time the polishing wears through the finish, showing the brass beneath. That is why women are insisting on fixtures and hardware with CRODON finish. Even in the salt atmosphere of the seashore, CRODON stays permanently bright without polishing. CRODON is a chrome alloy with an unusually beautiful, mirror-like luster. Applied by manufacturers as a surface coating to metal products of quality, it improves their appearance and makes them proof against rust or tarnish. It is so hard that it will outwear the usual finishes by many years.

CRODON is guaranteed to retain its luster and color for 20 years from installation without using abrasives or polishing compounds.

A special illustrated booklet on CRODON for Plumbing Fixtures and Hardware will give you detailed information about this remarkable, permanent finish. The attached coupon will bring this booklet to you.

CRODON
The Chrome Alloy Plate

CRODON-PLATED BUMPERS
radiators, headplates or other accessories never need polishing. They never rust out. Never.

Chemical Treatment Co., Inc., 26 Broadway, New York City

Gentlemen: Please send me your booklet "CRODON for Plumbing Fixtures and Hardware."

Name
Address
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In so far as the new, 90-degree, eight-cylinder Cadillac is concerned, discussion of mechanical supremacy is unnecessary and almost useless.

That supremacy proclaims itself unmistakably in performance as it has in every Cadillac which preceded the present splendidly successful car.

American lovers of fine motoring have always listened respectfully to assurances which promised an improvement upon Cadillac.

But they have never been lured away because it has always been so simple and so easy a thing to prove to themselves by Cadillac performance that Cadillac has never been equaled.

Once again in the unprecedented sales of the new, 90-degree, eight-cylinder Cadillac we are witnessing that silent turning away—that return to something solid and assured and unmistakably superior which Cadillac has always provided.

In this case, however, Cadillac finds itself almost the only occupant of its own fine car field—and the old Cadillac clientele is being so enormously augmented by new accessions that the careful, painstaking capacities of this great plant are being taxed to the utmost.

The Cadillac market is growing—it will surpass all previous conception in the immediate future.

Priced from $2,995 open car, f. o. b. Detroit

NEW GO DEGREE

CADILLAC

DIVISION OF GENERAL MOTORS CORPORATION
Which Will You Choose?

KIRMANS with backgrounds of dusky roses or midnight blues—Feraghans in deep, subdued colorings with restful all-over patterns—reproductions of an old Leila, soft ivory and blues with touches of rose—or the bold, distinguished Telpiz with richly red medallions—all these and many more to suit your own particular needs may be found in

BENGAL-ORIENTAL RUGS

Reproductions of the finest types of Persian rugs.

The wonder is that rugs so Oriental can be made by anyone but the Persians.

In spirit, in texture, in coloring, in design, the artistry of the Orient has been translated to a modern, seamless loom which weaves the finest wool from the Persian Gulf region into a fabric which can be fittingly associated with Oriental rugs or used as a substitute for them.

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

JAMES M. SHOEMAKER CO., INC.

119 WEST 40TH STREET, NEW YORK

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

Please send me color plates of rugs for

☐ Living room, size
☐ Dining room, size
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☐ "Backgrounds of Oriental Beauty" by Alice Van Leer Carrick.

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My dealer's name is

Mail this coupon to Consulting Decorative Department

THE HOUSE OF SHOEMAKER, 119 W. 40th St., New York
America has its aristocracy of intelligence and culture, of achievement and wealth, of taste and talent. Every community has its leaders of thought and action. And historic Washington—drawing its leaders from every section of the Union—is representative of the aristocracy of them all.

There in the world's greatest capital it is natural to find Packard cars honored by marked preferment—now as for a generation past. That five of the distinguished jurists of the United States Supreme Court own Packard cars is but an indication of this preference among those whose taste and judgment is unquestioned.

The list of cabinet members, senators, ambassadors and congressional leaders who consistently favor Packard with their patronage reads like the roster of an American peerage. Packard could cite no stronger credentials.
Your Luncheon Complete as You Enter

Furniture Shops Tea Tables are so designed that, with the leaves raised and top and shelves bearing tea set and dainties, they will go through a 30 inch door. Your luncheon and dainties, they will go through a 30 inch door. Your luncheon and dainties, they will go through.

Forms distinguished by their color there are many with yellow and white variegation which are well worthy of a place in the garden. Two of the best, with white coloring, are _akbara_, better known as Queen Victoria, and _argentea_, both of pyramidal habit and medium height. In _akbara_ the tips of the branchlets are white, whereas, in the other, whole branchlets are silvery white. Another good sort is _var. borchusiani_, a graceful columnar tree of moderate height with slender branchlets, rather distinctly placed and irregularly arranged thin branchlets.

The Tea Table shown here is No. 1070, a Furniture Shops Tea Table is nearly as they cannot he moved sideways Olfl style tea wagons will not permit. Of forms distinguished by their color there are many with yellow and white variegation which are well worthy of a place in the garden. Two of the best, with white coloring, are _akbara_, better known as Queen Victoria, and _argentea_, both of pyramidal habit and medium height. In _akbara_ the tips of the branchlets are white, whereas, in the other, whole branchlets are silvery white. Another good sort is _var. borchusiani_, a graceful columnar tree of moderate height with slender branchlets, rather distinctly placed and irregularly arranged thin branchlets.

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Furniture Shops Tea Tables have many other advantages over the awkward high wheeled kind. Our Tea Table booklet tells all about them. Write for your free copy.
his dress ornament is a circle of oxblood coral with a decorative motif in diamonds. At either end of the pin are carved rosebuds of black onyx. This piece may be used to gather a gown at the side.

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JEWELERS FOR 116 YEARS
FIFTH AVENUE, CORNER 48TH STREET • NEW YORK
PARIS • PALM BEACH • SOUTHAMPTON
Opening A New Chapter in Wall Covering—

An Old Favorite—

FABRIKONA
Cloth Wall Covering
Favorably known through the years for their steadfast qualities—colors that remain undimmed and textures that retain their original firmness.

The satisfactory manner in which FABRIKONA CLOTH WALL coverings enter into every decorative scheme in the Residence, Hotel, Auditorium, School and Church is creating a steadily increasing demand for these popular wall fabrics. A splendid assortment of textures and designs is available for every room in the home.

Send now for Fab-Rik-O-Na Folder containing actual samples of this popular wall covering.

Address
500 ARCH STREET, BLOOMFIELD, N. J.

NEW!

RUFKOTE
A Plastic Stone for Walls
Used by the modern decorator to produce wall surfaces of established period and novel types.

Historic wall textures—Roman Travertine, Caen Stone, Holland Finish, Spanish Palm, Colonial Stipple and many others which were originally built into the walls during construction, may now be applied to wall surfaces both new and old.

A new development in plastic stone—"Rufkote" is favored by the Architect and Decorator for these exclusive features—

Sets extremely hard and is not easily marred.
Will not affect color used in conjunction with it.
Rufkote is prepared with cold water and is easily applied to walls.

An interesting folder, illustrated, has just been completed—and we will gladly send it on request.

H. B. Wiggis's Sons Company
Established 1888
Bloomfield, New Jersey

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Chicago, Ill.
Today she asks——

"Is it finished with DUCO?"

THE first, swift, appraising glance that a prudent buyer gives a piece of furniture now crystallizes into the question: "Is it finished with DUCO?"

For only in the positive answer to this question rests the full and complete assurance that she is purchasing beauty that will endure through months and years of service in her home.

The modern woman has learned that DUCO marks a new epoch—a new period in furniture—in which the fragile finishes of other days are fast being discarded in favor of the modern finish—durable, beautiful DUCO.

Is it any wonder she challenges useless worry and endless care with the question: "Is it finished with DUCO?"
Only three reproducing pianos can bring great music to fine homes.

And in the short span of three hours—between a luncheon at two and a tea at five—you can hear all three without fuss or rush.

But of the three, the Welte-Mignon is the only one which embodies the perfected action in the piano perfected to play it. This is very important. Instead of two things joined together to make music, the Welte-Mignon is one instrument built for the single purpose of reproducing every shading of an artist's interpretation.

Hear all three. The investment is not to be lightly made. But give the other two their hour first and then come to our studios. For then you can listen tranquilly while the Welte-Mignon transcends in beauty all you have heard before.

The Perfected
WELTE MIGNON in the Welte-built Welte Piano

Fifth Avenue at 33rd Street, NEW YORK  Walnut at 17th Street, PHILADELPHIA  Sunrise Avenue, PALM BEACH
THE PRICELESS GESTURE

Early in the morning a gentleman on his way to Wall Street enters and takes a well-worn case from his pocket. "Keep this for me," he says. "I want to make a few additions. I will come in later." "This" is a pearl necklace, its value far in excess of a million dollars. . . . No receipt. No memorandum.

Again, a charming grandmother alights from her car with a tiny package. "Will you have it cleaned, please?" "It" is an emerald ring of enormous value. . . . No receipt. No memorandum. Day after day, many such evidences of regard are given to Marcus & Company by their patrons. Gestures of confidence, priceless gestures. For the business value of this confidence is so great that Marcus & Company rate it among the first of their assets.

In many celebrated families, this confidence in the integrity of Marcus & Company has been passed from grandmother to daughter, to granddaughter. It extends to the farthest cousins and to remote branches on both sides. "This is where Grandmother's pearls came from"; "This is where Barbara got her square emerald"; "This is where Aunt Phoebe bought Anne's wedding present"—these are remarks heard during many transactions . . . and they mean that fifty years of integrity are paying their dividends . . . that a half century of fair dealing is making its inevitable return.

Strings of pearls from $200,000 to $200. A large selection of loose pearls to add to necklaces, priced from $20,000 to $10. A choice of many exclusive and unusual settings of diamonds, rubies, emeralds and sapphires in a wide range of prices.

MARCUS & COMPANY
JEWELERS
At the corner of 5th Avenue and 45th Street, New York City
on the other. There is a quality about this evergreen that attracts at a glance and gives it distinction. The inland race of this tree has been growing in the Arnold Arboretum since 1889 and has never suffered winter injury and, moreover, through the winter it retains its rich green lustrous hue. Nurserymen are now propagating it and those in quest of the very best tall Arborvitaes should plant. It is of broad pyramidal habit with spreading and somewhat ascending branches and its bright green foliage marked on the lower surface with coppery tips. Though introduced in 1851 it is still very rarely found in cultivation.

THE KOREAN ARBORVITAE

A newcomer is the Korean Arborvitae (T. koraierea =) which I sent to the Arnold Arboretum in 1917. This varies in habit from a low ground-cover to a slender tree 30 feet tall. It makes a lovely low tangle of green under the shade of other trees and hence lies its usefulness to gardens. Its habits are similar to those of the Canadian Yew (Taxus canadensis), loving moist rocks and the margins of woodland streams. Its branches, when growing freely suggest Fern fronds and the under side of the leaves are marked with white. I am glad to say that this waif from the Hermit Kingdom has taken kindly to America's climate and promises to be a useful addition to our gardens.

The Retinisporas, compared with the Arborvitae, are comparatively newcomers to western gardens. We owe our earliest varieties to Dr. George R. Hall who sent them here from Japan in 1861; in the same year John Gould Veitch introduced them into England. Their beauty won them for rockeries. A great many species have received names, for this type of work. Though they are variously variegated with white, yellow and some are blue-green they are highly ornamental and perfectly hardy in New England and are most desirable evergreens. Since they grow to be fully 150 feet tall they should be given plenty of room. The species are not plants to use for foundation plantings although among their offspring are found some of the most desirable and most useful for this type of work. Though they grow taller than the globose forms and broader than the pyramidal forms of the American Arborvitae, they are really superior as garden features. They possess more grace and more character and are richer in decorative qualities. Winter does not destroy their coloring and every season of the year is good to look upon. They bearing well and will live on little or no water, and is often seen on the banks of little streams in the Arnold Arboretum. They are among the hardiest and most beautiful of all agents of protection. Though they are more valuable and it is not until now that the very best forms have been selected to meet the more characteristic demands of gardeners. My own favorite dwarf is Chamaecyparis obtusa var. nitens, an inch or so hardy as the American Arborvitae, yet so perfectly hardy in New England and of all ages the best of evergreens. The varieties of Retinispora are alas, without exception less hardy than so many necessary knobs and handles, locks and hinges. Through unusual designs in solid brass or bronze it can contribute permanently to distinctive architecture and decoration.

SARGENT KNOBS AND HARDWARE

Knob 1812 KA
Key Plate 870 KA
The Moment You See This Superb Creation
You Recognize – As Fine As Money Can Build

Those who possess Chrysler Imperial “80”, those who have experienced its superb performance are unanimous in acclaiming it the finest of fine cars. Just as earlier Chrysler cars transcended standards in their own fields so the larger Chrysler Imperial “80” — now at new lower prices which save you from $100 to $400 — goes far beyond the previous limits of fine car performance.

After you have experienced the vitality and flexibility of the Imperial “80’s” 92 horse-power with its speed capacity of 80 miles and more per hour, the most costly of other cars will fail to satisfy you.

The engine is so perfectly balanced and so symmetrically designed that it gives its glorious sweep of power with instant response and vibrationless smoothness.

When you drive the Chrysler Imperial “80” you will be amazed that it rides so differently. Spring ends are anchored in blocks of live rubber in place of the customary metallic shackles.

There is even no need to think of chassis lubrication because of its unique and exclusive spring mountings. Lubrication of spring leaves is eliminated by tailored lubricating spring covers.

Whether you seek sheer brilliancy of performance or magic ease of handling, or whether you desire easeful and luxurious comfort of riding, be assured that in this larger Chrysler Imperial “80” at new lower prices the highest motor car ideal has been reached.

New low prices giving savings of $100 to $400 — Eight body styles priced from $2995 to $3395 f. o. b. Detroit.

Chrysler Imperial “80”
Everlasting Beauty
in these walls of Colored Stucco

It is the extraordinary durability of California Stucco that makes possible its beautiful effects in colors and textures. Even soft, faint tints are forbidden with most stuccos, but their beauty after decades of constant exposure. No building material is more lasting. For California Stucco is Portland cement reinforced concrete given warm, friendly colors. Yet it can be used with a definite saving on every type of home large or small.

California Stucco

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Stone Products Co.

Residence of Harry Tanning, Los Angeles
E. K. Kussin, Architect

Orchards as They Ought To Be

(Continued from page 87)

ten to twenty years, Plums and sour Cherries, fifteen to thirty, Peaches twenty-five to fifty; sweet Cherries, forty to seventy-five; Apples, fifty to one hundred. So an orchard is a fairly permanent investment and therefore worth laying out well and managing properly.

The varieties listed below are suggested because each is of high quality, because each group will cover a long season, and because they are rather widely listed by nurseriesmen. Other equally good or even better kinds might be mentioned, but since few nurseriesmen carry them there will be difficulty in getting them.

VARIETIES OF FRUIT

Apples: August: Red Astrauch, Yellow Transparent, Early Harvest, Williams Red, Early Strawberry.
September: Gravenstein, Channao, Sweet Bough, Oldenburg (Duchess),
October: Smokeshouse, Fall Pippin, Fameuse, Hubbardston, McIntosh,
November: Delicious, Jonathan, Grimes, Tomkins King, Wagener.

Pear: August: Wilder, Clapp, Bartlett.
September: Flemish Beauty.

Peach: Late July: Greenbush, Nectar.
Early August: Carman, Rochester.
Mid-August: Hiley, Champion, Mountain Rose.
Late August: Belle of Georgia, Ray, Oldnorth, Crawford Early, Reeves, Niagara.
Early September: Elberta, Stump, Francis, Foster, Crawford Late, Mid-
September or later: Iron Mountain, Stevens, Smock, Saltley, Heath Clint, Chair's Choice.

Cherries: August: Imperial, Gage, Yellow Gage, September: Reid Claude, Yellow Egg.


Cherries: Sweet: Late June: Black Tartarian, May Duke, Governor Wood,
Early July: Napoleon, Yellow Spanish.
Mid-July: Windsor, Schmillt.
Cherries, Sour: Mid-June: Dayhouse. Late June: Early Richmond.
Mid-July: Montmorency, Late July: English Morello.
Apricots: Early: Harris, Midseason: Moorpark, Peach, Late: Alexander, Alegra.
Quince: Champion, Orange.

The earlier an order can be placed for nursery stock the better the chance of having it filled. Trees, shrubs and vines must be handled with extreme care, both in the field and while being carried from place to place.

ORCHARDS AS THE YOUGHT TO BE

As the orchard is to be a permanent investment we will place it on our own land. If possible this land should have been in cultivation a one-season before being planted, and to eliminate air spaces and conserve the soil, a single plant requires much larger root area than can be planted in a row of trees spaced six to ten feet apart.

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(Continued on page 110)
Such a lucky little lady

Happy little hands reach out in ecstasy... big brown eyes, enraptured, open wide... round little mouths gasp "Oh-o-o-o-o-o!!"

That our precious ones may know beauty from babyhood let all our gifts be beautiful, valuable, useful forever—treasures of genuine Sterling Silver; nothing less.

No finer gifts can be given or received than gifts of Sterling. They are exquisite—they are real—marked "Sterling" because solid silver through and through. True indications of good taste—possessions worthy of lasting appreciation.

STERLING SILVERSMITHS GUILD OF AMERICA
20 West 45th Street, New York City

Major Israel Foster, famous patriot of 1812, in giving this Sterling Silver porringer to his baby daughter knew that early association with beautiful things is the very foundation of good taste. As in 1812 so in 1926 Sterling remains the epitome of all things beautiful and fine. Such Sterling awaits you at your jeweler's.

Sterling Silver looks like nothing but itself. Through and through it is but one metal—solid silver—therefore marked "STERLING".

It is Sterling—more can not be said.
We shall be pleased to send you upon request a copy of our illustrated booklet, which fully describes Tudor Stone for Flagging and Roofs.

Our Architects' Service Department, under the personal supervision of Mr. Walter McQuade, a practicing architect, will be glad to cooperate with you and your architect in planning a Tudor Stone Roof, or an attractive layout for flagging.

We shall be pleased to send you upon request a copy of our illustrated booklet, which fully describes Tudor Stone for Flagging and Roofs.

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We shall be pleased to send you upon request a copy of our illustrated booklet, which fully describes Tudor Stone for Flagging and Roofs.
PATTERNED AFTER THE WALLPAPER OF AN OLD

NEW ENGLAND SEAPORT HOUSE

This chintz has the quiet charm of things old

PERCHED high upon a rocky cliff over the safe, well-known harbor of Marblehead in Massachusetts Bay, an old house, beaten silver gray by the winds and salt air.

Here dwelt in days gone by, sea-faring men of the stern, Godfearing sort who made England's sturdy history.

A new interest in the early days of this, the oldest part of our country, has entirely disproved our long-held theory that theirs was a rigorous existence barren of all beauty.

From so seemingly prosaic a source as the wallpaper in the old house of this old Marblehead farmhouse came the design for the quaint chintz shown here.

All its old-fashioned charm has been preserved, not only in the pattern but also in the colorings in which it may be had—dull green or blue or buff or mauve or salmon.

With the interesting and charming interiors planned today along the lines of 17th and 18th Century America, this chintz is delightful.

It may be used on an old wing chair, as suggested in the illustration. Or for draperies, for window shades, for slip covers.

Many other delightful chintzes, both domestic and imported, are included in Schumacher fabrics, in addition to their distinguished line of prints, damasks, velvets and brocades.

Let your decorator, upholsterer or the decorating service of your department store show them to you.

"Your Home and the Interior Decorator"

THE newest decorative effects that give your home individuality and charm are almost impossible to achieve without professional guidance. We have prepared a booklet, "Your Home and the Interior Decorator," which explains how you may, without additional expense, have the expert services of an interior decorator in your furnishing problems.

This booklet, with all its rich illustrations in color, will be sent you without charge upon request.

Write to F. Schumacher & Co., Dept. E-8, 60 West 40th Street, New York, Importers, Manufacturers and Distributors to the trade only, of Decorative Drapery and Upholstery Fabrics. Offices also in Boston, Chicago, Philadelphia, Los Angeles and Paris.

Reminiscent of old ship models, quaintly prim horsehair furniture and bits of ornament brought from far away ports, this chintz is most delightful.

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For years and years some of these lovely garden pieces have enhanced the splendor of Italian villas. The hand of Time, a touch of Old World Romance, have given them inimitable charm. They will help make your garden a mirage of the past, a restful spot to seek for thought, for dreams, for quietude.

Since 1827, nearly one hundred years, we have imported this garden furniture through exclusive sources abroad. Our collection contains a wide variety of rare pieces; their equal cannot be found elsewhere. Some are exquisitely colored, all are of faultless design.

A visit to our shops will be an interesting one for you. Do not hesitate if you have no immediate desire to purchase. They are here for you to enjoy or acquire. Our welcome will be just as sincere if you come only to study these beautiful objects.

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A distinctive Sedan for five passengers of Dietrich design with two "occasion-al" seats which completely disappear when not in use.

LINCOLN MOTOR COMPANY
Division of Ford Motor Company
The FRENCH HOUSE
a type rich in interesting character

An architect who has done notable work in translating the spirit and charm of the French style into American settings describes its essential features

"There is a tremendous wealth of inspiration and of useful, beautiful suggestion for us in the domestic architecture of France," so says Edmund B. Gilchrist, well-known architect of Philadelphia. Continuing with a description of characteristic details, he adds, "Walls are to be found of all the usual materials, but the materials are seldom varied from floor to floor.

"There is no hesitancy in having the house look high. Roofs are generally steep and effective in their unbroken extent. Chimneys tend to be quite high and are often very thin in one dimension.

"Dormers are set close to the eaves and on the same plane with the walls. The sills of dormer windows invariably fall on the cornice or eave line of the house.

"Windows are tall in proportion to width and are single units—quite unlike the English manner of grouping windows cut up with mulions."

Mr. Gilchrist cautions against blindly following details, as this, he says, may result in building "a house that has little of the character hoped for. And the reason is plain. We have only borrowed the seasoning, whereas the dish itself is a very different one. To have a steep roof and French windows does not make a house French."

The above paragraphs are taken from a complete article by Mr. Gilchrist on the French type of house. This is included as one chapter in the book, "Harmony in Home Design," which some of the most famous architects in the country have cooperated in preparing. Filled with interesting, helpful information about the leading types of home architecture, every home-builder should read it. A free copy is yours on request.

Whether you decide to build a house in French style or whether you select some other type, you will, of course, want a roof that gives lasting protection against weather and fire. And a roof of Carey Asbestos Shingles meets these requirements perfectly. Made by a special Carey process—long asbestos fibres criss-crossed, interwoven and embedded in cement—they have toughness and strength never before possible. They can no more burn than stone itself—and they're as everlasting! No upkeep, no repair expense.

Your choice of a wide range of beautiful color effects harmonize with every exterior. Natural browns, slates gray, pottery red, bluish black, purple, and forest green. Put on a Carey Asbestos Shingle roof—it will give you a life-time of satisfaction!

The Philip Carey Company, Lockland, Cincinnati, Ohio.
The Window-Maker says:

"California Pine windows are the rule in well built homes"

"Among all the window woods, California Pine possesses the superior qualities for making windows of character. That's why you will find this long-service wood in well-built homes throughout the country—not only in the windows, but in every part of the house. "There may be a difference of 50 degrees or more in temperature between the outside and inside of the house, but California Pine withstands this variation. It won't warp or twist, swell or contract, to the point of causing windows to rattle, stick or jam. It makes sturdy sash that are light in weight, which raise and lower easily, and require less expensive sash weights. It permits easy sawing and accurate joinery because of its soft, firm texture. It cuts easily and smoothly without chipping, takes and holds nails and screws tightly without splitting. This is most important in casement windows.

"Any home owner can be proud of the appearance of windows made with California Pine. This wood is light-toned with sleek, satiny surface which readily takes all paint colors. For the same reason less paint or enamel is required. Freedom from grain raising tendencies assures a smooth, unchecked painted surface. Moreover, there will be no discoloration from pitchy substances or wood oils. All in all, California Pine windows provide a perfect combination of attractiveness and wearability."

Authorities on home construction choose California Pine for practically every home building purpose. By using California Pine you will have an attractive and comfortable home to live in, with fewer repairs and higher resale value. The economical cost of California Pine is assured by large production, national distribution and a supply of superior timber for ages to come, probably forever.

CALIFORNIA WHITE AND SUGAR PINE MANUFACTURERS ASSOCIATION

Don't stand blindfolded when you build

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

This book will be sent FREE. Simply fill in the coupon and mail now.

California White and Sugar Pine Manufacturers Assn.
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Please send your book "Pine Homes"

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Street __________________________

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The SPEAKMAN Line

The Speakman Line of Brass Plumbing Fixtures includes every imaginable type of Shower; Bath Fixtures for every kind of tub; one-nozzle Lavatory Fixtures for every make of lavatory and swinging nozzle Sink Fixtures to meet every need and requirement.

All of these products are handled by nearly 20,000 plumbers and practically every large wholesale plumbing supply dealer in the United States.

Folders and literature describing any part of the Speakman line will be sent promptly upon request. Use the coupon, if more convenient.

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Please send me folders and literature on the Speakman Line of Showers, Bath, Lavatory and Sink Fixtures.
Name
Address

One of the diminutive Stonecrops is S. dasypodis vilmorinii, whose little mat of fat, globular-like leaves is gray below, loosely white or flushed June blossoms.
The charm of a well-furnished room is not measured by its cost but rather by the artistic value and appropriateness of its pieces. For example, the furnishings for the living room shown above can be purchased in this establishment at extremely low prices.
-not even gas for cooking"

"... Just like George to have rented an old-fashioned barracks like this, not even gas for cooking. No wonder the place has stood empty for years and years. The idea of cooking with coal in July."

When Christopher Morley wrote this passage in "Thunder on the Left" he assumed that Phyllis Granville had not heard of Pyrofax—the gas that needs no gas main.

Pyrofax affords the supreme city convenience—gas for cooking and other household uses, transported to your place has stood empty for years and years. The idea of cooking with coal in July."

You don’t have to live near a gas main, for Pyrofax is brought to you by our local dealer, in steel containers. Like gas, it comes to the range through ordinary gas pipe as a true gas (not as a liquid) and it burns with a clean, sootless flame.

Reliable, Richardson and Boynton, Tappecn and Vulcan "Smoothtop" ranges are adapted especially for use with Pyrofax, but any standard gas appliance may be used.

Cost of equipment, including gas range, $165 and up, exclusive of gas.

"burns like city gas—not a liquid fuel"

THE STEADFAST SEDUM

(Continued from page 114)

While praising the quite delightful Chinese species, S. spectabile, one must also sound a warning about it. Its way of running on a dry wall face, rooting in the crevices of some old and difficult problem. If the sun is too hot, for the globe is whitish, the flower stems will rise as high as three feet. It is a single pink kind, one high scarlet, one blue. As its height there are stalwarts almost two feet in height, down the scale to the veriest little groundlings. Concerning propagation little need be said. Any bit firmly pressed into the earth will straightway root and bud, and the tale is told of certain species that if a leaf be inserted in the earth it will soon be a thriving plant. Most of the species are perennial but there are a few biennial and annual sorts.

When it comes to choosing among this great family one is sunk in indecision, so many to select from and so many apt to be on the side of the commonplace. Of the sorts few, it seems to me, are worth growing save S. spectabile, a quite noble sort with powder-blue leaves and "whale-pink" blossoms in the late summer. This is a fine plant for a hot, exposed position. It should be about the whole Mediterranean basin.

Frequently we cast about for a plant that will cover a flat rock with beautiful succulent foliage, or throw a kindly veil over unsightly portions of the rock garden, or swing a curtain of rejuvenating greenery from the crevices of some old and broken wall. Many Sedums will accomplish these amenities. Perhaps the best of these is Sedum spectabile which produces masses of stems that cover as they go and a mat of rich, shining, close-joined leaves beautiful at all seasons. The low-toned, rose-colored flowers come at the end of the shoots in the late summer and are decorative. There is a brighter colored form and one with whitish blossoms, a shorter plant, S. sp. var. spectabile "albo-rubrum" and valuable in the same locations. It is possible to use this plant in damper situations than will be accepted by many of the other Sedums.

Very close to S. spectabile is S. spectabile "albo-rubrum" and valuable in the same locations. It is possible to use this plant in damper situations than will be accepted by many of the other Sedums.

Sedum spectabile "albo-rubrum" and valuable in the same locations. It is possible to use this plant in damper situations than will be accepted by many of the other Sedums.
After the GAME

The lure of golf is great indeed. One plays serenely over a velvet carpet of silent fairways in tune with the song of whispering leaves.

One surges to the thrill of a long carry from a perfect shot that speeds true towards the pin—or the approach that is placed just where planned. Is there anything to match the crisp click when club meets ball correctly!

Yes—perhaps. If there is, it is when, after the game, you stroll to the shady club veranda and find there awaiting you a table set with sparkling Glassware which adds zest to the taste of the dainty delicacies. Then you know the kind of contentment that is beyond description.

Especially is this true when just that extra touch is added by the ring and sparkle of Heisey Glassware. There is a delicacy to its color and contour that is fascinating. Even the salad seems a bit more tempting—the iced drinks more refreshing.

You're not taking even a sporting chance when you use complete glassware service for the luncheon table—for, you know, glassware is all the vogue. Ask for Heisey Glassware and look for the ® trademark. It is your assurance of finest quality. Ask to see the rich new Moon Gleam and Flamingo colors.

Descnptive folder and a booklet of recipes from famous chefs will be sent upon request.

A. H. HEISEY & CO., Newark, Ohio

Salad Granville Inn

A tempting summer dish from the cuisine of the Granville (Ohio) Inn, the finest exclusive hostelry in America.

Prepare julienne of chicken or tongue for number to be served. Add mushrooms, celery, asparagus tips, covered slightly with mayonnaise. Decorate with tomatoes, cucumbers, endives and sliced hard boiled eggs, covered with ravigot sauce. Decorate with watercress.
FREE
—for this month only

108 color schemes for your home
See them in actual colors—in advance—beautiful combinations of roof, walls and trim

Before you build or re-roof be sure to get the new Richardson Booklet, "What Color for the Roof?" Also the Richardson Harmonizer. Booklet contains page after page of beautiful colored illustrations, showing interesting homes and attractive roof effects. Harmonizer enables you to see in advance 108 color combinations of roof and body of house. You can choose a charming color scheme for your particular home with perfect certainty. Avoid mistakes. Consult the Richardson Booklet and Harmonizer before selecting your roof. Offered free for this month only. Send for both—now.

RICHARDSON ROOFING

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Dept. 13-H
With the understanding that the free offer is good for this month only, send me your Booklet and Harmonizer.

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

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FOR TOWN BETTERMEN
(Continued from page 89)

the towns appreciate it? Does it induce people to locate their homes in the towns served by the road? How do garden clubs, chambers of commerce and civic associations co-operate with the railroad in its program to improve the main gateway to the community? These are far-reaching questions. Answering them briefly, let me say that landscaping work does pay a railroad not only from a dollar and cents standpoint, but also from the more important viewpoint of enabling it to give better service. Tens of thousands of commuters travel back and forth daily over these tracks. The road is under obligation to give them ample and comfortable train service. It has to keep them satisfied, not only by getting them to work on time but also getting them home again in the evening with as much speed as is consistent with safety.

The train service provided by a town is likely to be given major consideration by a commuter when deciding on his place of residence. If he is given service that satisfies him, he becomes a booster. He brags about "his" railroad, its fast trains, comfortable seats, beautiful right-of-way, its attractive stations and what not. The road is obliged to give him something to boast about. If its trains are frequently late or if its approach to "his" town is through tine-screwed alleys, it won't be long before he begins planning to the Tax Board that home is over-valued.

Another point to consider is the railroad is responsible, to a degree, to the towns it serves. It helped the town to grow, just as the towns helped it grow. The more the towns develope, the greater should be the prosperity of the railroad. Anything, therefore, the railroad does to help the town should eventually redound to its own benefit.

Still another phase of the cooperation between the railroad and the town is that the railroad in giving the community a parked area is doing for the town what in many instances it is able to do for itself. Most suburban towns have no money for park development. And where a town can afford a park system, but has been neglecting to establish one, the railroad by taking the initiative and enacting it. When a railroad maintains a clean and attractive and inviting dooryard, it sets a good example to the whole community. Soon the people living along the right-of-way begin dressing their own places. They inquire where shrubs such as adorn the railroad grounds can be purchased. Present planting movement extends all over...

(Continued from page 122)
FURNITURE of good design, made by skilled craftsmen, has an unmistakable individuality. In the home it creates a feeling of comfort and livability that is most gratifying. We invite those who seek furniture of this character to visit our showrooms or, if that is not possible, to send for our illustrated booklet.

Palmer & Embury
MFG. CO.
222 EAST FORTY-SIXTH STREET NEW YORK
WHOLESALE ONLY
Make This Test on a Windy Day...

Your windows should be so air tight that a handkerchief held as shown in the picture will remain motionless even on a windy day. If not, then you know why it is so hard to keep your home warm in winter.

Shut out all those cold drafts by installing Higgin All-Metal Weatherstrips. Look at the diagram at the bottom of this page. There you will see why the Higgin Weatherstrip is so air tight. The bronze insert strip of the window hugs the metal strip so snugly as to keep all drafts out.

An examination of our booklet on Weatherstrips will show you why you should install Higgin. Send for it and the screen booklet, too. There is a Higgin service man in every principal city. Look for Higgin in your telephone directory.

THE HIGGIN MANUFACTURING COMPANY
501 Washington St., Newport, Kentucky
Toronto, Canada

Is Your Living Room LIVABLE?

"Hard luck" with indoor plants and flowers during the winter is one sure indication that the air in your home is too stale and dry. This lifeless air which causes plants to wither is also a common cause of winter colds, headaches, and other discomforts.

Without obligation, write for further details and booklet.

THE KELSEY
WARM AIR GENERATOR
725 East Water St., Milwaukee., Wis.

The lively heat which you get from a Kelsey Warm Air Generator makes your home really livable throughout the winter. It is warm air—not hot and de-vitalized. It is automatically moistened and is kept in constant circulation through every room.

Write for booklet, "The Sanitary Elimination of Household Wastes."

The KERNER INCINERATOR COMPANY
725 East Water St., Milwaukee, Wis.

KERNER BUILT-IN-THE CHIMNEY

"Gentlemen from Indiana" Banishes Garbage Forever

Mr. Booth Tarkington's delightful home will never have a garbage problem. For here, as in thousands of America's better residences and apartments, the time-tried Kenerator disposes of all garbage and waste without leaving the kitchen. No upkeep cost—the waste itself is fuel for its own destruction. Consult your architect or contractor before building—the Kenerator cannot be installed later.

The Kenerator is a brick combustion chamber at the base of your regular chimney, into which fall all waste dropped through the handy hopper doors on floors above. All waste—not only garbage, but sawdust, tin cans, papers, bottles, in fact, trash of all kinds, is merely chucked in and the accumulation, dried by air, is ignited occasionally. Metallic objects are flame-stemmed for removal with the ashes.

Write for booklet, "The Sanitary Elimination of Household Wastes."

KERNER INCINERATOR COMPANY
725 East Water St., Milwaukee, Wis.
DANDRUFF?

Bobbed hair reveals it

The current vogue of wearing the hair bobbed has revealed to many women that they have dandruff. In the past, folks thought of dandruff only as something that spoiled the appearance of a man's blue serge suit.

But we all have reason to be concerned about dandruff, for it is a germ disease which, unless properly treated, often brings with it the loss of hair or possible baldness.

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

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

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

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

Try Listerine some evening when your scalp feels tired and itchy. Dandruff is probably causing the trouble. Apply it generously and then massage vigorously. You will find it a stimulating tonic for the scalp, and in addition to combating dandruff, you will find that it adds that luster and softness to the hair that is so important a part of being well-groomed.—Lambert Pharmacal Co., St. Louis, U. S. A.
From Coast to Coast—
the word has gone round—"Royal Cord Balloons make their own good roads."

United States Rubber Company engineers developed this tire to operate at proper cushioning pressures—protection for the car—comfort for those who ride.

This has been accomplished through the flat Low Pressure Tread and Latex-treated Web Cord, supreme in flexibility and strength.

Pure and uniform Sprayed Rubber from the Company's own plantations, adds another advantage resulting in long time service at low cost per mile.

Once you ride on United States Royal Cord Balloons, you will appreciate the difference between "the Balloon Tire Principle at its Best" and ordinary balloon tires.

United States Rubber Company

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You’ll Never Know
Till You Take The Wheel

Grant that there must be *something* unusual about the Franklin for it to have established so many road records all over the United States. Take the wheel—and be prepared for the revelation.

A tough stretch—don’t clutch the wheel, don’t slow up. A sudden turn—don’t slam on the brakes, just touch the wheel. A steep hill—no need for a running start, no gear-shifting. Away at the top—engine fresh!

A car ahead—Brake!—easy stopping, no skidding. The traffic line opens up—away you go—instant pick-up, constant control. A detour—mud, sand, an endless stony hill in low gear—don’t worry, nothing can make the Franklin overheat!

After an hour, note the mileage—it will astonish you. After a day, note your own freshness—it will delight you. Franklin goes farther and faster because neither engine nor driver gets tired.

The engineering principles behind these facts are interesting. Any Franklin dealer will be glad to explain them to you, and give you the actual proof of their effectiveness. Finer performance, uncompromised quality and style leadership have made the Series 11 Sedan at $2790 the most popular car Franklin ever produced.

All Franklin prices include full equipment, even to spare tire, tube, cover and lock. Only tax and transportation are extra. Your old car can be applied in trade, and budget payment plan arranged.

FRANKLIN AUTOMOBILE COMPANY, SYRACUSE, N.Y.
FOR TOWN BETTERMENT

(Continued from page 118)

the city and in a few years the landscaping pace set by the railroad has been accepted by the whole community. Thus in effect the railroad's plantings become a demonstration plot for desirable nursery stock.

A number of New Jersey communities are cooperating with the Lackawanna by having their own park system start in which the railroad's landscaping leaves off. The city of Passaic, for instance, has a wonderful civic improvement organization for a place of its size. It has labored unceasingly to extend the influence of the railroad's work beyond the company's property. One of the city's parks, for example, is a continuation of the Lackawanna's grounds.

In Maplewood, also, a magnificent park is projected that abuts the Lackawanna's station and its environs. Where this plan is followed the traveler coming into town gets the impression that the railroad's station is located at the entrance to a park.

Considered in all its aspects, maintaining a landscaping department advertises a railroad as catering to the home-owner and as being a friendly, beauty-fostering institution instead of a soulless corporation. Landscaped railroad grounds advertises a town as being a desirable place to live. It furnishes realty with a valuable talking-point and commutes with something about which to boast.

Now as to the plantings: No two of the Lackawanna's stations are planted alike. The lay of the ground and the size of the plot determine just what it is to be planted. Generally speaking, the company plants for permanency.

The right-of-way embankments are covered with Honeysuckle, Ivy, creeping Roses and small shrubs for the purpose. Three or four years ago the company completed an elevation of its tracks through the city of East Orange. On the sides of this elevation thousands of plants have been established. The company established rockeries at the end of its station platforms on this elevation.

In some places, notably at Mountain Station in West Orange, are winter gardens consisting of a great variety of evergreens. The Polyantha Rose is a favorite plant, and is adapted for railroad work because it blooms continuously during the summer and can withstand hardship.

Climbing Roses are also used extensively on fences to screen neglected lots and other objectionable scenes. Lawns are either seeded or sodded at all of the principal stations.

The best way to give an idea of the character and variety of the plant material necessary for this work is to describe the plantings at a typical station. I have selected Orange, New Jersey, although the plantings at several stations are much more extensive. The Orange landscaping is made up of five principal plantings, one consisting entirely of red, white and pink Polyanthas. Here is a list of the other four plantings:

**PLOT NO. 1**

- Cornus florida, 6.
- Prunus pissardi, 14.
- Cassia canadensis, 5.
- Thuja occidentalis, 6.
- Abies pungens foersteriana, 1.
- Acer rubrum, 4.
- Pleonastes, 12.
- Berberis thunbergi, 1600.
- Hibiscus (althea) carnea, 8.
- Deutzia gracilis, 20.
- Acer discolor atra, 25.
- Iris Assorted, 50.
- Magnolia salaniana, 1.
- Retinispora plumosa, 1.
- Prunus pissardi, 30.
- Ilex crenata, 4.
- Azalea aurea, 4.
- Andromeda catesbaei, 2.
- Chimonanthus, 2.
- Viburnum odoratissimum, 2.
- Thuya occidentalis, 4.
- " aurea latea, 6.
- " boehmi compacta, 2.
- " globosa, 8.

**PLOT NO. 2**

- Deutzia crenata, 10.
- Hydrangea, 15.
- Cornus alba, 15.
- Magnolia-grandiflora, 8.
- Forsythia suspensa, 15.
- Hicbicis alba, 10.
- Ligustrum aurum, 15.
- Aroids arborescens, 20.
- Heirhyla caerulea, 30.
- Rhodotypos kerroides, 15.
- Spiraea ulopifolia, 20.
- Viburnum lentum, 20.
- Tamarix africana, 20.
- Tilia platyphyllos, 4.
- Quercus palustris, 4.
- Tilia cordata, 5.
- Ligustrum lucidulum, 410.
- Pinus excelsum, 2.
- Rosa rugosa rubra, 10.
- " alba, 20.
- Berberis thunbergi, 25.
- Euonymus alatus, 25.
- Platana orientalis, 7.
- Abies orientalis, 1.
- Cedrus japonica rubra, 25.
- Weigelia carnea, 25.
- " Evax Rank, 25.
- Deutzia gracilis, 25.
- Hydrachnum aurum, 15.
- Acer japonicum atropurpureum, 2.
- " salicifolius, 1.
- " viridissima, 15.
- " speciosa, 2.
- " pratensis, 4.
- " " small, 4.
- " viridis, 2.
- " " obtusa, 2.
- " " platycladus, 4.
- " " robusta, 4.
- " " pubescens, 4.

**PLOT NO. 3**

- Taxus cuspidata, 4.
- " repens, 5.
- Rhododendron maximum, 20.
- " Excelsa, 12.
- Mahonia aquifolia, 10.
- Cryptomeria japonica, 30.
- Fallopia sambucina, 9.
- " " obtusa, 8.
- " " compacta, 2.
- " " platycladus, 8.
- " " Sieboldiana, 8.

(Continued on page 124)
$1985
Studebaker Big Six Custom Brougham

 including no-draft ventilating windshield, bumpers and bumperettes, radiator, gasoline gauge, coincidence oil and gas filters and air strainer, manual windshield cleaner, automatic spark control, rear vision mirror, double-beam headlights, controlled steering wheel.

The same equipment is also offered on the following Custom models:

<table>
<thead>
<tr>
<th>Model</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Six Custom Sedan</td>
<td>$1985</td>
</tr>
<tr>
<td>Six Sedan (for Seven)</td>
<td>$1495</td>
</tr>
<tr>
<td>President</td>
<td>$1495</td>
</tr>
</tbody>
</table>

Prices f. o. b. factory

CUSTOM CAR LUXURY WITHOUT CUSTOM CAR COST

The last word in a car of custom perfection ... for the first time in a car of economical production! In this Big Six Custom Brougham Studebaker has combined One-Profit value with custom design ... has associated new custom luxury with customary Studebaker economy because it is wholly Studebaker built to give Studebaker buyers the benefit of One-Profit manufacture. A lower body and a longer effect—lacquered duotone finish and pin-striped enrichments—acorn headlights, four wheel brakes, and disc wheels.

And custom inside as well as out!—broadlace trim, Butler finish hardware, and fine Chase Mohair with the swift and silvered figure of Atalanta poised above its radiator. Powered with the quiet and resourceful Studebaker L-head motor, which has enabled the Big Six to outsell every other car of equal or greater rated horsepower.

A Brougham with the pride of custom lines for a woman, the economy of a One-Profit price for a man, and the thoroughbred air that quickens the young to step on it and go!
Add beauty and distinction to any bathroom

BEAUTY by contrast is the newest note in bathrooms. The all-white surface is giving way to color. The Whale-bone-ite Toilet Seat completely meets this new vogue for colorful bathrooms, and in the all-white bathroom the contrast is even more strikingly effective. Whale-bone-ite is a gleaming black substance with a highly polished, glass-like surface which nothing in ordinary use can ever destroy.

Unlike the ordinary wooden seat, the Whale-bone-ite Seat is all one piece, molded when soft into shape. It can't crack, split, or disfigure. It has no mold when soft into shape. It can't disfigure. It has no

Whale-bone-ite Seat is all one piece, molded when soft into shape. It can't crack, split, or disfigure. It has no mold when soft into shape. It can't disfigure. It has no

THE BRUNSWICK-BALKE-COLLENDER COMPANY—CHICAGO

Leading hotels, hospitals, schools and other fine buildings the country over have adopted the Whale-bone-ite Seat. The great steamship Leviathan is equipped with it; also the luxurious Pullman cars.

If you put the Whale-bone-ite Seat in your home, you will never need replace it. Thus it is actually the most economical. Architects strongly urge Whale-bone-ite. Your plumber can quickly replace it for you without inconvenience to you.

The Whale-bone-ite Seat. Free. Also a booklet showing the new colorful bathrooms. Both free. Write today.

The foregoing species are all for-
You never will want to replace doors made from Pondosa Pine

The doors are hinged. Carpenters gone. The doors hang snug and true. They latch as effortlessly as a pocket purse whenever you push them to. But will they keep that way? If they are doors of Pondosa Pine, they will. These will not warp, so that latch and lock become mere ornaments. These will not sag, or show a gap between them and forsaken sills—to let unwanted light or draughts pour through.

Pondosa Pine, the wonder-wood of the Great Northwest, is soft and easily worked, yet strong. It holds its shape. It is fine-grained, and finishes up flat and smooth. It takes paint beautifully. Each trade-marked piece of lumber has been thoroughly seasoned, rigidly graded, and carefully milled.

Pondosa Pine is the choice of foremost wood-working establishments that manufacture finished doors and trim. The supply is plentiful everywhere. For greater beauty, for lasting service and contentment, insist on doors and woodwork of Pondosa Pine for your new home. Write today for interesting booklet. It's free. Address Dept. 10, Western Pine Manufacturers Association of Portland, Oregon.

Write for this booklet
We find it a favorite background for monstrous flowers covering the ver­
tugan or farthingale chairs.

When Versailles became a wonder of the world it was bright with strong unadulterated color splendors, Yellow, the king's own color—deep rose—perhaps more favored by the nobility of the 17th Century than any other color.

The vivid blue of Marie Tábëtr, Greets of every foliage down to the plain green of Maintenon. The great tapestries separated colors to make color values or married them into royal harmonies. About them swung garnitures of gold, silver, and crystal. Later the regent Phillippe d'Orléans with his craze for novelty rather turned things about. Then came the days of Louis Fifteenth to put a hand over their brightness. Eyes had grown sensitive. The mode for crude colors began to lessen. The reign of wood paneling commenced. In the apartments of the Pompadour are soft delicious colors that might have been mixed by Fragonard and Watteau. Later, with Louis XVth, these exquisite colors were to be reduced to tints. Michelet writes that the Louis XVth style was a return to life and humanity. The reign of crude godhead was ended. The superhuman look of the furnishings was melting under les baumes de grace. The offspring of the primary colors had a luxuriant blooming quality. For Marie Antoinette the blooming grew more otherworldly. Moonlight, the spray of fountains and some mirage of rainbow unrality entered into them.

When I come to the Paris of the Revolution a great whiteness seems to fill the interiors. In every second hand where a Cato or Roman matron had come to life the taste of an ancient republic was arriving with fresh buckets of paint. The slender and delicate furniture that I have often seen was a rare period that has always been in old white. My chair coverings, white and faded blue stripes or white and rose rusted to pink as if I were forced to paint the gods of the immortal Washing­
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As a faint whip of scent will sometimes recall a strong but sleep­

ing memory, so a passing splash of color can awaken one's color sense of a period where one found the color romantically imbedded. The Cana­
letto and Guardi blues and greens float one away to the canal of Longhi Venice. A bowknot of rose pink and celestial blue op­

to door to the Berry's House on Curzon Street and I see groups of di­

electricity, white hair, caressing, fluttering, as though it was of new stained glass windows and coro­

lacquer screens take me to the Horace Walpole, and probably would dub me vastly beguiling such associations with Stra­

The Empire period in furni­

ture always seemed a period of glit­

ey. It seems coffined in a fatal beauty.

Even the multitudes of golden sphinxes, and carvatures never­

through its halls. Green, gold, white, and, a family of Egypt­

browns were its favorite colors. I al­

ways think of Napoleon's family of Queens and Princes. These colors seated on shafts of hop­

gany upholstered in more or less grim colors, stiff with strange agony of ever­

Madame Récamier drifts a white India muslin, which the ladies also probably wore who were not busy uphol­

But it is on record that even the im­

cinating Julie slept in a violin bed.

There is no recent London fad but William and Admiral furniture period that no one has label­
ticketed very much and therefore­

scaling to the caprices of the Per­

ances of every foliage down to the

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provements of the New Type Tru­

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With the same type of patented power-plant, and building it under one and the same license, as the finest and costliest European cars—Minerva, Panhard, Mercedes, Voisin, Peugeot, Daimler-Knight (you know what these great names stand for)—the “70” Willys-Knight, by virtue of its established super-efficiency, has earned title to its distinction as the fastest and most powerful product of its size among all American-built automobiles.

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An unequalled union of liberal room and compact appearance, long racy effect with moderate actual length, here too is economy of weight never before achieved in any motor-car of its type.

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This amazing little machine does all the heavy work—scrapes, sandpapers, refinishes—then keeps your floors in perfect condition forever after—costs but a fraction of one refinishing job.

LOOK at your floors. Are you satisfied with them? Completely satisfied? Proud of them?

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Just what the Ponsell Floor Machine does, and how it does it, is a fascinating story. It is a story that every home-owner should read. We offer you an interesting booklet that contains it—a clear, brightly-told description interlarded with explanatory pictures. With your eyes on your floors, can you say, “No, I am not interested”? Take the first step toward more beautiful rooms. Mail the coupon or write for a FREE demonstration—or, if you are too far from our nearest office, a ten-day FREE trial.

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Hardy Lilies in the Garden

(Continued from page 9)

My next experience was the making of quite an elaborate bed of Lilies of many varieties, in a low spot of rather rich soil where several former attempts had resulted in failure. The system which I worked out for this bed gave excellent results from the first. The soil was dug out to the depth of a foot, an eight-inch layer of coal ashes and rotted cow manure was put in; then, four inches of soil mixed half-and-half with "dough of hank" gravel (about half coarse sand); and over this eight inches more of soil, leafmold and sand mixed together in equal parts to which a moderate dressing of coarse bone-meal was added. This raised the bed about eight inches above the ground level, the sides being steepened and sodded. The entire surface of the bed was covered, after planting, with a thick mulch of straw, spent horse manure.

In the bed some fifteen varieties of Lilies were planted and grew to perfection without further attention, except an annual dressing of bone-meal and a winter mulching of manure—which was left on in the spring—for many years. The location was, naturally, anything but an ideal one for Lilies, but by taking a few hints from Nature we were able to get them to do finely. Since then I have frequently found that the generous use of coal ashes and a raised bed where the ground is likely to remain wet during the winter will always bring success—other conditions, of course, being right. I consider these two things the first essentials, whose conditions for bulb growing are not naturally favorable. Where the soil drainage is already very good, it is not necessary to dig out the bed, but even then, a generous amount of coal ashes dug deep into the soil is, I think, very helpful, as it gives the soil that open, calcareous condition in which most Lilies seem to thrive; and, at the same time, the ashes hold moisture as gravel or coarse sand will not do.

And now as to the other conditions.
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Write for free book. New 34 page Circulars, giving model entrances, will be sent free upon request. Or send $1 for similar equipment catalog Price. Address Hartmann-Sanders Co., 206 Edison Ave., Chicago, Ill. Eastern Office and Brownston, N.J. 39th St., New York City.

HARTMANN-SANDERS

Pergolas
Rosed Arbors
Garden Equipment
Colonial Entrances
Koll Columns

How To Get 8 Ideas on Economical Heating—

EIGHT, down-to-earth, practical ideas that will keep the flock of coal bills down to a scattered few. The ideas came from home owners. They are experiences with ALL the different kinds of heat—fireplaces, warm air, steam, vapor, hot water. Disadvantages as well as advantages of each kind are given in "Letters To and Fro", a 34 page booklet on heating. Katharine MacDowell in one of the letters compares their boiler to their pet coffee percolator. A good bit of sound sense it is. Glad to send you a copy of this unusual booklet.

The CHARM of a beautiful ENTRANCE

As a brilliant diamond lends beauty to its dainty setting, so Hartmann-Sanders Entrances add charm to many of America’s finest homes.

Distinctive in every classic detail; substantial in quality; correct in architectural proportions, they enhance the value of new or old homes far beyond their moderate cost.

Designed to your own, your architect’s, your contractor’s or our specifications. Built complete, ready to erect. Surely by patented Koll Lock-Join Columns. Investigate before you build or remodel.

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Time to Re-tire

Get a FISK

Copyright, 1928, The Fish Tire Company, Inc.
From the day your new house is completed, you never again see the Herman Nelson Invisible Radiator. Built in the wall—it will bring to your home a new era of cleanliness and beauty. Think of the pleasure of having every foot of wall space and floor space to use just as you wish; and think, too, of the satisfaction which comes from an absolute elimination of radiator trouble—no leaky valves, because there are no valves; no repairs, because the Herman Nelson Invisible Radiator cannot be harmed by freezing. Of course, it is built upon a new and finer principle: clean, safe, compact, indestructible.

The quickest way to secure the fact is to mail the inquiry slip shown above.
SUMMER or winter, autumn or spring, for birthdays come in every season—there must be a Birthday Cake for the celebration. In the country as well as in town one may have Dean’s famous Birthday Cakes. They are shipped everywhere successfully. Postage prepaid anywhere east of the Mississippi on orders over $3.

So many varieties and attractive designs—write for our “Birthday Cake” Booklet.

628 FIFTH AVENUE, NEW YORK
Unwelcome Callers
at Your New Home
This Fall

FLIES and mosquitoes do more damage to
a new home in the Fall than any other time.
You will be entertaining these unwelcome vi­
sitors in your new dream home unless you keep
them out with good screens. Don't wait till
Spring to put in screens. Do it now!

Good screens are not to be picked up quickly
in the neighborhood but should be chosen with
a thought to artistic value and practical use.
They should be purchased from a responsible
screen manufacturer — a specialist in the line.
Good screens correctly designed and thorough­
lly made of durable materials are a satisfac­tion
and a good investment.

The screen manufacturers listed below have
been in the business from twenty to forty
years. No matter where you live you will find
one of more of these manufacturers ready to give you esti­
mates, offer suggestions or attend to the
whole screen problem himself.

Send coupon and our Secretary will put you in
touch with the representatives in your city.

THE SCREEN MANUFACTURERS ASSN. OF AMERICA

Unwelcome Callers
at Your New Home
This Fall

The Lilies which will grow
neutral or ordinary garden soil
include candidum, sieberianum, red-,
tulipifera, sieberiana, henryi, hortorum, Naples,
and satisfactory of all Lilies are
white with golden center and
brown bands on outside of
estem-rooting. Sargentea, so
similar to regale, but blooms
fine to follow; Regale; very
superbunum, reddish orange,
hardy, damp location prefer­
able; they are of necessity, base-rooting. C.

HARDY LILIES IN THE GARDEN

(Continued from page 130)

joy their great beauty. In Nature they are seldom found in great quanti­
ties together. A single Lily, stand­
ing out against a background of ever­
greens, a hedge, among shrubs, or
making a charming contrast with a group of some other tall flower such as
Daffodils, may add more to the real beauty of the garden than an entire bed. Study your garden most carefully to select the spots—not too
many—where Lilies are to go; and
then usually plant not over six or
a dozen in a place; two or three will
often look as well. Spend the extra
amount on additional varieties, which
will give you a longer season of the
beautiful flowers; they may be had
in bloom from early June until
October.

In the following brief descriptions,
arranged with the view of helping
the beginner to select intelligently
rather than to do justice to the won­
derfully varied beauty of the several
sorts, the distinction is made between
base-rooting and top-rooting species.
The former, forming roots at the base
of the bulb, should be covered com­
paratively shallow—about twice the
vertical diameter of the bulb, or two
to four inches; the latter, which
form a circular mass of roots above
the bulb as well as at the base, should
go deeper—three or four diameters,
or eight to ten, or even twelve inches
depth.

As it is well to select varieties dif­
fering in season of bloom, three
groups have been made—early, me­
dium, and late flowering.

Early Lilies: Hemerocallis, one of the
earliest; prefers a little shade; bright
orange, stem-rooting. Candidum, the
popular pure white Madonna Lily, one
of the finest and easiest to grow;
secure "North of France" bulbs;
planted early as possible; cover only
two inches deep. Camellia, and can­
dadum fibricum (yellow) one of the
most graceful of all; very hardy,
base-rooting. Tricarnum, the New­
spoon Lily, somewhat similar to Can­
didum, but a delicate buff shade; tall
and very graceful; plant same as
Candidum. Moseulium, white bloomer when established, capricious grower, shades of yellow;
medium height, base-rooting. Um­
bellatum and its varieties; orange;
apricot, crimson; medium height.
Martagon, six feet, when estab­
lished, deep purple, base-roots.
Crocus, any soil, full sun or shade; orange
flowers and extra good foliage; stem-
rooting. Elegans, orange-red (than­
bergianum) and Elegans varieties;
blooms, blood red apricot, brilliant orange,
and buff colored, all dwarf, beauti­
ful varieties, thriving in sunny loca­
tions; Elegans Prince of Orange

and satisfactory of all Lilies are
white with golden center and
brown bands on outside of
estem-rooting. Sargentea, so
similar to regale, but blooms
fine to follow; Regale; very
superb unum, reddish orange,
hardy, damp location prefer­
able; they are of necessity, base-rooting. C.

HARDY LILIES IN THE GARDEN

(Continued from page 130)

grows less than a foot high; eight inches deep.
Tulipifera, dazzling red, a
medium height, extra early; soil and semi-shade; stem-rooting.
Golden Cleam is an apricot
variety.

Mid-season Lilies: Regale (phyllium), finest of the mid­
group and one of the most be­

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LIKE the final polish on a costly gem, a driveway treated with Solvay Flake Calcium Chloride is the finishing touch to any beautiful estate. Solvay completely eliminates dust and positively preserves the road.

Solvay Flake Calcium Chloride is spread on the surface of the drive and is quickly dissolved in the moisture which it attracts from the air. This moisture is incorporated in the road surface and maintains it in a slightly damp condition which prevents the formation of dust, and binds the surface. The Solvay-treated road is smooth, firm and weedless.

Tennis courts treated with Solvay are firm, dustless and fast-playing; free from weeds and sun-glare. The championship courts of Forest Hills, Germantown and Longwood are Solvay-treated.

Anyone can apply Solvay, no special equipment is necessary; just open the bag or drum and spread the material evenly over the surface—that’s all!

Solvay Flake Calcium Chloride is sold in 100-lb. bags and 75-lb. drums from 75 conveniently located distributing centers.

Write for booklet No. 1357.

THE SOLVAY PROCESS COMPANY
Wing & Evans, Inc., Sales Dept. 40 Rector Street, New York
The Heralds of Spring

200 of these lovely Spring beauties 25 each of $6.50 the following 8 named varieties for:

Snowdrops (Single): Glory of the Snow, Blue; Grape Hyacinths, heavily blue; Blue Scilla (Sella nutans); Blue Bells (S. campanulata); White Blue Bells, Wood Hyacinths (Sella Natur); Winter Aconites.

N.B. Send for our Bulb list-many other enticing values offered and described.

Schling's Bulbs

MAX SCHLING SEEDSMEN, INC.
618 Madison Avenue, near 59th St., New York City.

THE NATURE of ALPINE PLANTS

(Continued from page 84)

stems, all is very different above the snowline. To a very long winter which often lasts nine months, sometimes even several years, (for there are many deep glens covered with vegetation which remain under the snow sometimes for a period of several years) there succeeds all in a very short summer, but one extremely favorable to the growth of the plant. Light, heat and moisture are prodigiously lavished on the plant, while then after a long period of rest enters at once into the full glory of the long days of summer without having to pass through the spring.

WHEN SUMMER COMES

At the breath of the southwest wind, of the "sirocco" or of other warm breezes with which each chain of mountains is endowed, the snow disappears, the brown carpet which covers the world changes, and in a few days, sometimes in a few hours, it takes on an emerald tint. As if by magic all the world awakens, lives, grows and bursts into bloom. On every hand the busy insects fly, powerful allies of fertilization without which many varieties would be doomed to sterility.

Some plants are then so ardent in their desire to unfold their corollas that they cannot await the moment of the final melting and push through the bed of snow that their stems, thanks to their dark tint, have had the power to make. We have often seen this phenomenon among the Soldanellas and the Crocuses in the Alps or on the Jura.

One might ask how this can be possible since, during eight or nine months, the plant has slept under its mantle. To this statement, which is not exact but which is generally admitted, we reply that the plant does not pass the winter in a state of perfect repose. Life continues to flow in its course, but the sap is moving there, though slowly, and the plant begins to grow.

Will you have the proof? I noticed some years ago on one of the eastern slopes of the Jura a clump of Soldanellas just at the moment the snow fell and remained upon the ground for six consecutive months. At the moment when I made this observation the plant had ripened its seeds and the sap within it lay dormant, withdrawn into the roots. Not a bud was in the center of the clump, it appeared to be at the point of subsiding and of exhaustion. In the early days of spring I returned to the spot, lifted the snow with an ice axe and found the same plant, which I had marked in the autumn, carrying some buds and flowers in the heart of the stem although they were very small at that time. It had formed these buds during the winter under its covering of snow even as the great trees increase their branches only half of it appeared to be at the point of subsiding and of exhaustion.

In the beginning, and this well-established, it is during the period that the plants grow and expand, that their growth is in an inverse ratio to the power of the sun. But, the Alpine nights being so short, we see that nocturnal growth is not the question for the plants to reach the high Alps. It is only in the latter part of the summer twilight that they can grow and develop. That accounts for the shortened internodes, the buds emerging to pierce. We have often seen this phenomenon among the Soldanellas and the Crocuses in the Alps or on the Jura.

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New and Rare Plants Readily Found at Hicks

Somewhere a master and mistress of a new home are longing for unusual plants for the garden that is to be. Somewhere a skilled gardener is searching for the new plants that have come into trade during the past few years. Somewhere a connoisseur is inquiring among his friends about rare plants to add to his collection.

These—and many others—can have their planting problems solved by Hicks Nurseries.

A Hint of What Can Be Found at Hicks

Spreading Cotoneaster (C. divaricata) feeds the birds all winter with little apple-like fruits; extra good plants $2.50 each.

Vernal Witchhazel (Hamamelis vernalis) blooms in February, with small red and yellow flowers. Plant 2 to 3 feet high, $1.00.

Cornelian Cherry (Cornus mas) a glow of yellow in early April. Plants 2 to 3 feet high 75 cents each.

Asian Sweetleaf (Symplocus paniculata) known also as Turquoise Berry, has robin’s-egg blueberries in autumn. A rare small tree from 12 to 15 feet high. Good plants, 2 to 3 feet high, $2.00 each.

Half a score of new Barberries are available; a collection of Cotoneasters; a new Yew (Taxus media Hicks) which is perfectly hardy in New England; Myers Juniper with silver and crimson foliage; Scotch Heather in variety.

HICKS NURSERIES
Box H Westbury, L. I., New York

Why Not A Leanto Greenhouse Against Your Garage

The very first greenhouse ever built in this country, was a leanto, called then a “Sun Shed.” A wealthy old Dutch New Yorker, built it against his stable on his country estate, located in the vicinity of present Twenty-Third Street.

There are distinct economy advantages in such a greenhouse, both as to building, and cost of running.

This particular subject, along with some half a dozen others are shown in a booklet called, Some Help Hints On Owning Your Own Greenhouse. Send for it.

Hitchings & Company

New York
301 Park Ave., William Burt
Oak Lawn, P. O. Box 921

Philadelphia
602 Walnut St.

George Lawler
R. D. 6, Gardenville, Tacoma, Wash.
Peonies—
For Your First Planting

We call this our "Backbone" Collection because each variety will always have a place in every well-selected Peony planting. It is a permanent investment in Peony satisfaction.

Each is an Approved Variety. The roots will be strong divisions from mature stock of Approved Quality, especially grown to give quick-blooming results.

This "Backbone" Collection, $15.00
The 12 Best Peonies at Reasonable Prices

JAMES KELWAY. Fine, flesh white, early... $1.50
MARIE JACQUIN. The waterlily white, midseason... 1.50
MME. EMILE LEMOINE. A wonderful white, midseason... 1.90
BARONESS SCHROEDER. Beautiful rose-white, late... 1.90
OCTAVIE DEMAY. Dwarf light pink, early... 1.50
VENUS. Pure shell pink, midseason... 1.90
REINE HORTENSE. Very large hydrangea pink, midseason... 2.00
MME. EMILE GALLE. Delicate flesh-pink, late midseason... 1.00
SARAH BERNHARDT. Divine pink, late midseason... 2.00
KARL ROSENFIELD. King of the red, mid-season... 2.50
ADOLPHE ROUSSEAU. Gorgeous dark red, early midseason... 3.00

All 12 Approved Varieties — $15.00

This order must be for this best-of-all Peony Collection to be shipped by express for early September planting. Or, send your order now for this best-of-all Peony Collection and be strong divisions from mature stock of the Rocks, at the foot of the cliffs, in lonely ridges is found a humus, porous, black, rich in vegetable material and almost without organic constituents. This earth is characteristic of the mountains and it is formed in a manner most interesting and remarkable.

Let us climb together, if you will, to the summit of the limestone mountains which are in the neighborhood of Geneva. The Verves in Savoy, for example. There we find great blocks of fallen stone or crevices scoured and worn by the action of wind and the weather. These crevices, more or less marked, go in every direction. In many places they become so deep that they divide the rocks in two parts.

In each of these openings we find a vegetable growth perfectly established and more or less varied. While in the most recent and least accessible places we find only Lichens, some Mosses or other cryptogams, the oldest ones give a resting place to higher and even to some kinds of trees. In the little fissures one does not yet see the earth. The Lichens established themselves on the rocks, whose moisture is strengthened by that of the mineral substance to which they are joined, suffice for their existence. The Mosses, more highly organized, richer in tissue and demanding more nourishment than the Lichens, come to dwell in those deeper openings upon the remains left by the decomposed Lichens. In the largest and oldest holes, we see the plantorganisms burying their roots rich in nourishing substance and which...

THE NATURE of ALPINE PLANTING (Continued from page 136)
FOR SALE

A Choice Piece of Perpetual Summerland

FORTUNATELY for you, its location is one that will exactly suit you. As far as size, it is neither too big nor too little, but one that just fits your requirements. In an almost mystic way, this available bit of perpetual summerland is always flower-scented. Sometimes it is filled with those lovely old-time favorites of our Colonial days. Then, like, literally floods of sunshine-scented daffodils. And of course, violets and orchids, with juicy peaches and thin skinned succulent grapes, ripened months before the outdoor ones.

As for the cost of this bit of perpetual summerland, that is a detail that can be arranged entirely to your satisfaction. At your suggestion, we will gladly call and talk it over, or if you prefer, will send you an informative piece of printed matter.

RUTHERFORD, NEW JERSEY

Irises Are the One Flower for Everyone's Garden

No garden can have too many iris—few gardens have enough. Soft self-colored, rich purples and lavenders, gold and yellow—supply the brilliancy the early June garden demands.

Twenty-five Extra Good Irises

Don't let motor-packed roads annoy you—erect DUBOIS

This is the fence that has been used for centuries in France and England to shelter a house or garden from the outside world. Friends in appearance, lending quiet charm to every setting, it stands so well and walls so straight it is made of straight chestnut saplings woven together by hand. Moderate in cost. Easy to erect.

DUBOIS Woven Wood Fence

ROBERT C. SELVEY CO.

187 Water St., New York

Please send, without obligation, your new portfolio illustrating the many interesting ways Dubois is being used.

Cat

State

The World's Most Beautiful Peonies

NEVER before in our more than fifty years growing peonies have we had such an unusually large assortment of wonderful choice varieties as we are offering for this fall planting. Flowers from this stock, competing with those entered by all other growers, won the three highest prizes at the greatest National Peony Show ever held.

The World's Most Beautiful Peonies

The first of this available bit of perpetual summerland was woven together by hand. This is the fence that has been used for centuries in France and England to shelter a house or garden from the outside world. It is made of straight chestnut saplings woven together by hand. Moderate in cost. Easy to erect.

BOBBINK & ATKINS, Rutherford, New Jersey

The joy of this fence is that it is used for plantings in the garden. It is made of straight chestnut saplings woven together by hand. Moderate in cost. Easy to erect.

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Millions of Peonies

Near Springfield, Ohio, there are more than 80 acres of Peonies. Each year millions of buds unfold their silken petals and later nod complacently in the sun. These flowers of the purest white; some of deep maroon, and others with every imaginable combination of these colors.

More than a Thousand Varieties

are represented in this great collection—the largest Peony fields in the world. Practically all of the best varieties are there; those which win prizes year after year, together with their less costly brethren, now used to produce brilliant masses of color. Each and every one is a lovely bit of "garden furniture.

Peonies for your garden should be as carefully purchased as furniture and draperies for your home. In each ease the beauty of the future depends upon the initial choice. One of the often heard will fit any garden, and more to introduce you to these first quality Peonies. They will all bloom next year, if our planting instructions are followed.

Pastel Collection

A splendid group of the new introductions which are certain to please Peony fanciers, and all new introductions to any garden. Jacthor. Rose. Large flowers of every white, tinted yellow in center. Exquisitely colored. $1.50 each.

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Largest Growers of Peonies in the World

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THE GOOD & REESE COMPANY, Sales Agents, Springfield, Ohio

HOUSE & GARDEN'S BOOK SHELVES

ALPINE FLORA. By Dr. Julius Hoffmann. New York: Longmans, Green and Company.

This attractive volume, appearing as a revised and greatly improved edition, not too large for a traveler to carry along, is well calculated to reach its object, that of enabling the amateur botanist, whether he go to the "Playground of Europe" or merely study at home, to become acquainted with the many gay forms of Alpine flora. So beautiful indeed, and so prevalent and so abundant are many of these flowers that even the traveler who at home takes but a moderate interest in garden flowers might find stimulation and gratification in learning from the book at least the names of the prettiest things that in spring and summer carpet the mountain slopes and valleys. Even without a "key," the lack of which is about the only deficiency in this excellent work, there should be but little difficulty in finding after a little familiarity with the volume, any of the more common and attractive flowers in the forty-three colored plates. Most of these are unusually successful reproductions of water-color drawings made from the flowers while they were fresh, with the best arrangement in families. Nearly three hundred specimens are thus pictured and labeled.

The accompanying brief text gives the botanical names along with the German English names, and a little description and notation of the preferred sites and surroundings of each plant. In this connection many an expert horticulturist will meet with surprises, for he will find, in thrifty condition, upon limestone the pealing Bearberry, the Spring Heath (Erica carnea) and the Garland Rhododendron (R. hirsutum). (Have we been proceeding too much upon hearsay in this matter? The Spring Heath has been doing well in a lime-stone district just west of Philadelphia.) And the careful student or collector may find new prizes for the improvements, on which he might try to arrange, like Lilium cardinalis, of a delightful cinnamon or vermilion color, and which should make a fine companion to St. Bruno's Lily (Paeonia tenuifolia), no longer a stranger to America. Of other plants mentioned the following should be grown more extensively in rock gardens; all are still so rare that they are not mentioned in "Standardized Plant Names." Hydranctiflorae (St. Johnswort), Geum reptans (Alum Root), Potentilla recta (Cinquefoil), Dorychum cordatum (Cowslip), Gentiana bavarica, G. purpurata, G. pansyana, G. punctata, G. asclepiadea, G. trifida, G. Brachyphylla, G. cernua, G. iuria, G. flava, G. flos-rosae, G. gilia, G. Curtisi (Curtisia.) Interesting mosses and lichens are also described and handsomely pictured.

F. B. M.


Like other representatives of the worthy series of Home Garden Books, this volume exhibits that indefinable charm which marks excellent English gentleman and is valued for its history of the flora in a country now so popular, more popular by reason of the privileges which means than is any other, it presents the best tested methods of culturing, handling, as, with a few suggestions, particularly abouting in pots, that are not only enough needed in the more northerly methods advocated seem similar American ways, however, in including as much as an inch of peat, each cornel and in mulching cornels with short cut buckwheat husks instead of with inches of fine soil which is found weeks wrapped away in order of.the seedlings. But the experienced amateur and the professional his greatest lesson is in the way of how to succeed at everything.

In this field the Briton in geranium surpasses our cousin of the western hemisphere.

F. B. M.

THROUGH FIELD AND WOODLAND


This is a beautiful monograph of the woman who, in the standing of Nature and sympathy with it, in the northeastern part of the country, was much like the mononous Gene Stratton Porter, a great American writer of the West. She wrote as well as1 any short time ago, was brought to an untimely end by an accident of similar character. Instead of distributing her skill and knowledge, and discoveries, through the medium of poetry and stories and many books, Mrs. Nor­throp taught more directly to schools and by establishing Nature rooms in schools and by conducting clubs and classes for teachers. Her book, planned to meet, in part, some of these needs, is a useful hook, not too large for a travel-ringer, suitable for the library or study, and not for field use. And it is a useful book, it explains in easily-understood language and tells, truthfully and interestingly, of insects, birds, and all wild life, as well as plants of all kinds, from fungus and moss to the buckwheat husks instead of with inches of fine soil which is found weeks scraped away in order to reach it. The making of wonderful discoveries and of the revealing of Nature's secrets was woven together with experience, as in nature, in black and white and in color, to make the book one that should be accessible to every Boy or Girl Student, a member of the Woodcraft League, and a similar organization, for which this largely, the book was designed.

It is a fairly large volume, however, suitable for the library or study, and not for field use. The general makeup and the execution of the work do credit to a house distinguished for putting forth gayly the excellently fine specimens of the book making art.

F. B. M.
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Plant bulbs in quantity this fall for a gorgeous display of radiant blooms next Spring. For your consideration a selection of a few of the outstanding varieties of Darwin and Breeder Tulips are listed below.

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<th>Name</th>
<th>Color</th>
<th>Price</th>
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<tbody>
<tr>
<td>Pride of Haanlem</td>
<td>Rose Carmine</td>
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<tr>
<td>Gurn Butt</td>
<td>Salmon Pink</td>
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<td>Valentina</td>
<td>Light Violet</td>
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<tr>
<td>Dream</td>
<td>Delicate Lilac</td>
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<td>Bastion</td>
<td>Carmine Crimson</td>
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<td>Napion de Lava</td>
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<td>Honeybush Yellow Cloud Yellow</td>
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<tr>
<td>Golden Bronze</td>
<td>Golden Hue</td>
<td>5.00</td>
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<tr>
<td>Cardinal Manning</td>
<td>Ruby Violet</td>
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<tr>
<td>Zula</td>
<td>Almost Black</td>
<td>4.25</td>
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Varities

<table>
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<td>Crocus</td>
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<tr>
<td>Narcissus</td>
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<td>100</td>
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<thead>
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<td>Alice Harding</td>
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<tr>
<td>Phillip Reville</td>
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<tr>
<td>La France</td>
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<tr>
<td>Robeign</td>
<td>4.00</td>
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<tr>
<td>Laura Desmond</td>
<td>3.00</td>
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<td>Martin Calverton</td>
<td>3.50</td>
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<tr>
<td>Phyllis Kennedy</td>
<td>5.00</td>
</tr>
<tr>
<td>Lady Alexandra Puff</td>
<td>3.00</td>
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<tr>
<td>Mrs. Edward Harding</td>
<td>3.00</td>
</tr>
<tr>
<td>Seville Saylor</td>
<td>3.00</td>
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<tr>
<td>Walter Paxton</td>
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<tr>
<td>Martha Bullock</td>
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Peonies from Northbrook Gardens are carefully selected. We have placed in the Master List only those of proven quality and high ratings. Our scientific methods of cultivation produce peonies with finest coloring and fragrance—hardy and vigorous. Individual varieties or our Quality Groups to suit all tastes and pocketbooks.

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THE GARDENER'S SCRAP BOOK
SUPPORTING GLADIOLI

THIS is the month when, in most gardens, the Gladiolus show is at its best. By this time, it is the season for the greatest care in preventing breakage of the tall, often heavy flower spikes by wind or sometimes merely by the weight of intercepted raindrops. Such precautions are advisable even in the case of the lower-growing varieties, while for such giants as Crimson Glow and Golden Measure they are really essential.

Glads that are planted singly or in small groups can be adequately supported by the ordinary stake and twine method, the details ranging from the single stake for each spike to the little "fence" for several growing close together. Where the bulbs are set in rows of some length, however, a different system has several advantages.

In row plantings, one of the best methods of support is to run parallel lines of strong twine on each side of the row, stretching them tight between stout stakes set at ten-foot intervals close up to the plants. A single line on each side, about a foot above-ground, will be sufficient for all except the really tall-growing sorts which will be better off if provided with a second line at a greater height.

This plan of support will save the stalks from breaking out from the row on either side. If the bulbs were set only a few inches apart in the row, as they should be, the growth itself will be sufficient support against breakage in the direction of the row itself.

Protection is not only the advantage of Gladiolus support, suitable staking also makes for straighter spikes because it forestalls the tilting of the lower part of the stalks with its resultant efforts by the upper portions to regain an upright position.

(Continued on page 144)

STOHCROPS OR SEDUMS
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Invaluable for Rock gardens; fine for the ordinary garden.

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WHAT do you do when it rains—on washday? If you put off washing until another day it changes your plans for the entire week. If you decide to wash anyhow, your house is made damp, uncomfortable and unpleasing by wet clothes hanging on makeshift, indoor clothes-lines.

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Write for our illustrated folder, "A Washday In June" and for the name of our nearest dealer.

'Test and Approved by Good Housekeeping Institute"
THE GARDENER'S SCRAP BOOK

(Continued from page 142)

PERENNIALS FROM SEED

THERE are certain advantages in growing your own perennials from seed, if you are one of those gardeners who like to do everything that they can themselves. From a strictly cash standpoint, and forgetting the time factor, this method is cheaper than buying clumps or divisions of mature plants. Further than this, it has an element of uncertainty about it which appeals to many of us. Not all seeds, even of the finest quality, come true to color—some, it must be admitted, occasionally do not come at all! So one never knows quite what one is going to get in the end.

It is an advantage to get perennial seeds started fairly early in the summer, so that when the cool weather puts a stop to their growth the plants will be big enough to stand the winter in a cold frame or perhaps in their permanent positions in the border. If they are properly sown during late July or the first few days of August, and well cared for, this condition should be reached.

Planting is best done in flats or seed pans filled with light, good loam in which there is plenty of leaf-mold to retain moisture and prevent caking. Let the rows be two or three inches apart and, with most seeds, cover to about three times their own diameter. After planting, press the soil down lightly and evenly and water thoroughly with a very fine rose which will not wash out the seeds. In all future waterings, be careful not to flood the surface, as this often results in caking of the soil.

Transplanting, of course, must be done as soon as the seedlings begin to crowd. Transfer them to other flats in which they can be set at least two inches apart each way.

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And all are so easily grown from seeds that we do not hesitate to recommend the collection even for the children's garden.

12 Splendid Hardy Perennials

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Agrostemma Rose of Heaven American hips Cornus Batschii (Hardy Lentlop) Thun (Cherokee Pink) Delphinium Hardy Fontanesi (Blanket Flower) Gentiana (Baby's Breath) Kryptania (German Cross) Oriental Poppy Sweet William; Sweet Rocket.

The packets hold liberal quantities of strains that have caused the House of Dreer to become looked upon as the floral pilgrim's Mecca.

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Of course you can paint your stucco home eventually. Paint that whitewashed stucco too light with a coat of Pabst Waterproof White.

What color would you like? There are 16 of them and while all are suitable, one of these will be most suited for your particular home. After you have painted it, a coat of any of the excellent Pabst Waterproof White will make the stucco look as good in 20 years as if you had never painted it in your life.

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You are also naturally interested in knowing about all quality products—be they building materials, automobiles, radios or perfumes. You will find in the advertising pages of House & Garden almost every type of product on the market—provided it is a quality product.

We would not be living up to our full usefulness unless we helped you find these things, many of which are advertised in the magazine. So, for your convenience, this classified list of quality products in this issue of House & Garden is presented. It will assist you in making the best selection.

In justice to yourself look over the advertising here before deciding and write to the advertisers for their suggestions. You will find them very happy to be of assistance—and when you have made your choice you will be confident that you have not left many good things uninvestigated.

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Distributing wire link products made by the Page Steel and Wire Company, Bridgeport, Connecticut, and of which the Associate Company of the American Chain Company, Incorporated, is an Associate Company.

TRADE MARK
American Wire Link

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215 North Michigan Avenue, Department 88, Chicago, Illinois
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