Stucco Reflects the Highest Refinement of Architectural Beauty

No expenditure is so important as that which you make for a home. The outside appearance of the house indicates the manner of the Man within. It indicates your standing in the community, and certainly, if circumstances lead you to remove elsewhere, you want as a commercial asset in your house both strength and beauty, for these are sure to secure for you a better return in rent or sale.

We have prepared "Bishopric for All Time and Clime," an interesting booklet for you, illustrated with photographs of beautiful houses built with Bishopric stucco, plaster and sheathing units. It will be our pleasure to mail it to you at our expense. Ask for it.

THE BISHOPRIC MFG. CO.
603 Esté Avenue, Cincinnati, O.
SIZE, Strength, Resiliency, Price—these four things decide your mileage cost. Because Fisk Cord Tires measure up to each of these requirements to a degree that surpasses competition, they give low cost mileage and unbroken service.

Time to Re-tire?
(Buy Fisk)

There is a face-value to Fisk Tires that is a sure index to their built-in value.

Look them over!

There's a Fisk Tire of extra value in every size for car, truck or speed wagon.
SEE this new Big-Six—the four-passenger Speedster. It has the same dependable chassis that made enthusiasts of thousands of owners during the most critical buying period in history.

You will be fascinated by its long, graceful lines and its air of exclusiveness. It provides the utmost riding comfort for four passengers.

The Big-Six Speedster sells for $1985 f.o.b. factory, equipped with two extra disc wheels including tires and tubes—one mounted in each front fender.

In addition it carries front and rear bumpers; courtesy light; parking lights; cowl ventilator; tonneau light with extension cord; one-piece windshield with windshield wiper; traveling trunk; built-in, thief-proof transmission lock, operated by same key that locks ignition switch and tool compartment in left front door.

And it possesses the priceless ingredient, the name STUDEBAKER which for seventy years has been a synonym for highest quality of product and fairness in all dealings.

THE STUDEBAKER CORPORATION OF AMERICA
Detroit, Michigan South Bend, Indiana Walkerville, Canada

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The Davenport That Is Also a Bed

Remarkable Piece of Furniture Combines Dignified Appearance With Complete Comfort and Double Utility

Serves By Day and By Night

No other piece of furniture can serve you as will a modern Davenport Bed. As a davenport, it has the beauty, the luxurious comfort and durability you seek. But in utility, the Davenport Bed is of double value, for it can be transformed into a large, comfortable bed at night.

Important advances in design and construction have been accomplished by eighty-three manufacturers who offer perfected Davenport Beds through dealers everywhere. You will recognize in the Davenport Bed of today nothing of the earlier models in which utility was the only appealing feature.

Now, you can select a Davenport Bed to match your other furnishings. It may be in Renaissance, Queen Anne, William and Mary, or other period styles, in tapestry, velour or other textiles, or leather. It is appropriate for living room, sun room, library, bedroom, or wherever you wish. They may be had with chairs to match. By day, there is no sign or suggestion of the Davenport Bed's service by night. Mattress and bedding are completely concealed. And no matter how frequently it is used as a bed, there is no wear upon the covering material.

Picture your favorite room with a new, attractive Davenport Bed arranged to complete the furnishing. Devote a few minutes of your next shopping trip to an inspection of modern Davenport Beds at any good dealer's. See how double utility has been gained without sacrifice or compromise of the beauty and comfort you associate with desirable furniture.

Send for our handsome brochure showing a great variety of Davenport Beds in a wide choice of styles, woods and covering materials.

Davenport Bed Makers of America
Standard Oil Building, Chicago
A Decision that Helps the Furniture Buyer

THE United States Supreme Court has added another volume to the laws which protect the buying public.

In effect, the Court decrees that the Federal Trade Commission has the right to order any manufacturer to cease using any label, brand or term which might deceive the ultimate consumer, although members of the trade are not misled thereby.

Remember this when you buy furniture. When you want an all-mahogany piece or suite, request your dealer to guarantee that your purchase is either solid mahogany, meaning all exposed surfaces are of solid mahogany or mahogany, indicating that the article is honestly built of solid mahogany and mahogany faced plywood.

Insist that your real mahogany furniture be light enough in color to bring out the beautiful grain and figure of the wood, something like the color of old Sherry wine.

If you buy "mahogany combination" furniture, you are getting only part mahogany on the exposed surfaces.

Beware of furniture advertised and sold as "Mahogany finish" or "finished in Mahogany," the use of the word "finish" indicating that the piece is not mahogany. It means that paint, stain and varnish have been used to deceive the eye. The effect produced resembles genuine mahogany about as much as brass compares with 18-kt. gold.

MAHOGANY ASSOCIATION INCORPORATED
New York City

After all—there's nothing like

MAHOGANY
Use PLATE Glass

A table is as old as its top

PROTECT it with plate glass. Preserve that beautiful grain and lustrous surface from the ugly mars and scars of every-day accidents.

Plate glass is the ideal table surface. It protects and at the same time enhances the beauty of the loveliest table. It covers, but does not hide the table’s crowning glory—its exquisite finish.

Particularly now that luncheon sets and table runners are being used instead of all-over cloths, the plate glass top is indispensable on dining-room tables. It protects from scratching and from hot plates accidentally set off the cloth. Use plate glass on the buffet, the serving table, tray and tea wagon, dressing table and bureau. It saves the fine-finished tops from disfiguring stains of carelessness.

Use it on the library and console tables, where its elegant surface against dark wood will absorb the rich, warm shadows of living and reception rooms.

PLATE GLASS MANUFACTURERS of AMERICA

Genuine PLATE GLASS
MADE IN U.S.A.

Use Plate Glass for:
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Ventilators
Mirrors
Windshields
Closed Car Windows
Shelves

Nothing Else is Like it
Every piece of Kohler Enameled Plumbing Ware is distinguished for (1) the snowy whiteness of its durable enamel (2) the uniformity of this whiteness in every fixture (3) the name "Kohler" in dainty blue letters inconspicuously but permanently fused into the enamel for your protection.

IS THERE AN EXTRA BATHROOM IN YOUR HOME?

Think of the convenience of another bathroom in your home. You know the congestion and delay in the morning "rush hour" when everyone is anxious to wash, bathe or shave at the same time. And when guests come the condition is actually embarrassing.

You can utilize a large clothes-closet, a spare room that is too small for a regular bedroom, or waste space in the attic can be walled off inexpensively, to obtain the added comfort and convenience of the modern bathroom pictured above.

This bathroom is designed to cover a floor space only five by seven feet. It is compact and complete. The fixtures are standard size.

A five-foot, luxurious Kohler "Viceroy" Built-in Enameled Bath is the type used in thousands of homes and in many apartments, hotels and clubs. The lavatory shown is the full size famous Kohler "Columbia" style.

This fine Kohler bathroom can be installed in your home at a very small cost. It will be a source of pride to you. It will add to the money value of your house.

It will mean added comfort and convenience to every member of your family.

Kohler Enameled Plumbing Ware—bathtubs, lavatories and kitchen sinks—is famous for its beauty and durability. The glistening, snow-white enamel is easily cleaned, and it preserves the attractive appearance of the fixtures during their entire life.

There is a Kohler plumber near you who will be glad to give you an estimate of the cost of installing this Kohler bathroom in your home. Consult him now! You will find him a reliable source of information on all questions relating to sanitation in the home.

Send for interesting, free booklet illustrating modern arrangements of bathrooms. Write today.

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Depends upon Uniform Quality in All Details

Considering its importance and the long and constant service expected of it, sanitation equipment seldom is chosen with the vigilance it deserves.

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So reliable sanitation is a matter of thoroughness—of uniform quality in all details—and upon this fact is founded the service behind Crane sanitation products.

CRANE SERVICE provides sanitation fixtures of broad variety, advanced design and superb quality, and then insures their lasting serviceability by supplying all incidental fittings and pipeline equipment on the same quality basis. This service completely embraces the sanitation requirements of bathroom, kitchen, pantry and laundry.

Going further, Crane Service carries this thorough cooperation to you through an extensive system of Exhibit Rooms, Branches and Offices, at any one of which you can select the full and precise equipment you desire.

There is a nearby Crane Branch or Office* to give you Crane Service.

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Extra! — The greater thickness of the regular Vacuum Cup Tread, as compared with ordinary tires, giving greater mileage.

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Also, its cost is low. Call on your dealer in lumber or builders' supplies for prices of Sheetrock and other wallboards. You will be surprised how little you need pay to have Sheetrock walls and ceilings. Then ask him to tell you all the advantages of Sheetrock—including the ease with which it takes paper, paint or panels, and the way it lasts as long as the building stands. You will want Sheetrock in your new construction, alterations and repairs. Write for a copy of "Walls of Worth."

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Insert shows the actual thickness of Sheetrock
If you admire this cozy little home here at the top of the page, ask your retail lumberman to show you Long-Bell Plan No. 1277. If he hasn’t it, write us and we will give you the names of retail lumbermen in your community where you can see Long-Bell plan sheets.

There are more than sixty charming and inexpensive homes in the Long-Bell plan service. This one at the bottom of the page is Long-Bell Plan No. 254. Ask your lumberman. If he hasn’t it, write us and we will give you the names of retail lumbermen in your community where you can see Long-Bell plan sheets.

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Today, throughout the land, there are being built small, inexpensive homes of wood that bear every mark of charm, distinction and convenience. For, it has been found that design and arrangement, and not costly materials or huge size, are the real essentials of beauty in home building.

Nine out of ten of these small homes are built of wood, because beauty, coziness and homeyness are best obtainable by building with lumber.

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"Numéro deux, rue Edouard Sept"

AMIricANS visiting Paris this summer are invited to make Vogue's Paris Information Bureau their first port of call. Charmingly decorated rooms at 2, rue Edouard VII offer every convenience for writing, telephoning, resting between appointments, or meeting one's friends.

The rue Edouard VII is in the centre of everything interesting in Paris. On the Boulevard des Capucines, almost under Vogue's windows, are famous shops, such as the Grande Maison de Blanc and the Carnaval de Venise, and famous restaurants such as the Café de la Paix. Just around the corner, in the rue de la Paix, are all the great couturières, milliners and jewelers.

Close by, in the avenue de l'Opéra, are the Paris offices of the Herald, Brentano's, and the Grands Express Aériens. A few steps in the other direction are the offices of the American Express. In the rue Caumartin are a number of celebrated tea houses and "dancings" such as So Different, and Le Teddy. Vignon's restaurant, the Ritz, and Ciro's are near-by. Four streets away is the Gare St. Lazare, whence one departs for channel and transatlantic steamers.

The little shops of the rue St. Honoré are within easy walking distance; the principal theatre district in the Boulevard des Italiens is some three minutes' stroll; and the Louvre and Notre Dame, the Madeleine and the Champs Elysees are a short taxi ride away.

Vogue's Paris Information Bureau will advise visitors where to shop, dine and amuse themselves in Paris; will give travel information, make hotel, railway and steamship bookings; will assist madame in her shopping, give useful introductions, and perform every service that a personal friend in Paris could give to the stranger.

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   The Parks may be glimpsed on a hurried trip, or used all summer as a playground for recreation. Stopovers may be made at any one you may select.

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   You may enjoy a 6-day cruise on the St. Lawrence and Saguenay Rivers, or a 2-weeks cruise from Montreal.

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   The conventional life of the city is left behind and gives place to the joyous outdoor life of the woods. At some of the larger hotels you may see a man in evening clothes, but he looks lonesome.

4. Canadian Resorts
   From Georgian Bay to Lake of the Woods stretches unspoiled wilderness for the camper, with streams and lakes for your rod or paddle, or comfortable hotels and golf, if you prefer.

5. Lake Cruises
   Pamphlets giving rates and sailings for cruises through the Great Lakes and among the 30,000 Islands of Georgian Bay.

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The CHALMERS SIX
ABOUT THE AUGUST ISSUE

THERE was a bride we knew once, who had a doting uncle. A man of means, this uncle, and of a generous disposition. When the wedding day arrived and the presents were displayed, Uncle was represented simply by a little card. The card said that the kitchen in that new house was to be his gift. Thereupon the bride, although she didn't say so, was secretly disappointed. Pots and pans and stoves and patented garbage buckets seem unromantic gifts. Not till she had come down to earth again, had returned to the regular three-meal-a-day existence, did she realize that the kitchen was quite one of the most acceptable—and expensive—presents she had received.

When we first began planning this August number we felt not unlike the bride. It was difficult to wax enthusiastic over household equipment. Then, as the material began to be assembled, we realized that this August issue was going to be one of the most interesting and useful numbers of the year. It has a lot to do with kitchens, but it has also a lot to do with other kinds of equipment, for furniture is as necessary a piece of equipment as a frying pan.

So we start off the issue with an article on kitchens. Not the ordinary sort of kitchens, nor the ultra-modern kind that smack too much of operating rooms in their immaculate whiteness, but human kitchens.

Decorative doors are shown in the August number.

Contents for July, 1922. Volume XLII, No. One

NEW ENGLAND IN GEORGIA

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Mary Putnam Roberts

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PLANNING THE SMALL CITY GARDEN

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MODERN MIXERS IN THE KITCHEN

Ethel R. Peyster

THE GARDENER'S CALENDAR

Subscribers are notified that no change of address can be effected in less than one month.

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ANNERS, speech, the habits of daily life change continually from age to age. The history of taste is a history of incessant and generally quite unreasonable fluctuation. The world has never thought or acted in a consistent way for fifty years together. To our ancestors, the life of the present generation, with its flappers, jazz and illicit drinking, would seem mad and immoral; and, looking back at our ancestors, we can cordially reciprocate the opinion.

One of the most complete and radical changes in the standards of everyday life that has taken place during the last two or three centuries is the change in the standard of comfort. The well sprung armchair, the sofa, the davenport, the chaise longue, the easy chair was the high-backed wooden armchair. The sofa did not exist; it remained for the 17th Century to invent its place in public places as well as in the home. The seats in our places of entertainment steadily widen and soften.

Looking at the furniture in a typical 20th Century shop, you would imagine that the contemporary American spends at least half of his three-score years and ten sitting or reclining. And you would not be so very far wrong.

HOW different this is from the order of things which prevailed only a few generations ago. Our ancestors, unless they were persons of considerable wealth and eminence, ate their dinner sitting on stools or benches. Their nearest approach to the easy chair was the high-backed wooden armchair. The sofa did not exist; it remained for the 17th Century to invent its ancestor, the day-bed.

Most of our social life today is passed in chairs and on sofas; our ancestors spent most of theirs standing. If they frequented the court or the houses of the nobility, etiquette demanded that they should stand, whether they liked it or not. And even the great seemed to have preferred peripatetic conversation to an armchair talk by the fireside. The ideal Elizabethan drawing room was not stuffed with enormous chairs and sofas like the reclining rooms of today. It was a long gallery, unobstructed by furniture, where one could walk up and down, like a sea captain on his quarter deck, in silent meditation or in converse with one's friends.

The passing of the 17th and 18th centuries, comfort gradually increased. The sofa made its appearance and it is silly to pretend that we are. A really accurate period furniture: let us think of ourselves before our antiques.

To us, comfort is now a necessity; we have contracted the habit of it and cannot give it up. We can judge how unpleasant it would be to revert to the standards of the past by visiting a country like Italy, where the standard of comfort is still very much what it was in the 18th Century. Sit on the wooden benches of an Italian third class carriage; go to an Italian evening party, where every one stands for hours together: you will realize then how profoundly our habits and standards have changed in the last century or so. Inured from their tenderest years, the Italians positively enjoy standing; they sleep soundly on the diabolic seats of their third class carriages, and when they want a rest they really like sitting on marble benches at the wayside. It is all a matter of habit. We who have contracted the habit of comfort cannot now return to ancient standards.

T is fact which renders so absurd any attempt to reconstruct an ancient period in the furniture of a modern house. A purely 18th Century drawing room is a possibility. Though he may resent the absence of deep easy chairs in which he can sprawl, the 20th Century man will be able to accommodate himself well enough in the round armchairs and on the sofas of Louis XV and XVI. The trouble begins when one turns the clock back another hundred years or so. No 20th Century American will feel really comfortable in a room furnished completely in the Jacobean or Elizabethan style. A room in which there is no sofa, but only a few carved wooden chairs, would strike him as insufferably austere. In such surroundings he would find himself thinking—with what an aching nostalgia—of the leather monsters in the club smoking room, of those huge elephantine chairs in which it is miraculously possible to combine the most restful slumbers with the most earnest perusal of a magazine. A room fitted up with Gothic furniture would merely be one worse than the Elizabethan.

No, given our habits of today, a strictly period room is an absurdity. We are not Elizabethans, we are not contemporaries of Chaucer, we are not early Italians or even modern Italian—and it is silly to pretend that we are. A really accurate period reconstruction looks like a museum and is impossible to live in with reasonable comfort.

The way to use old furniture is frankly to combine it with modern pieces. A contemporary drawing room must have armchairs and a sofa, or even a chaise longue; it must also have upright chairs, and there is no reason why these should not be old English or old Italian, old French or old Spanish.

To harmonize old pieces of different periods and countries with one another and with modern furniture requires a certain tact and judgment, a sensitive taste. But when that taste has been duly exercised, the result will be infinitely preferable to a dully correct period room. It will also be possible for people with modern standards of comfort to live in such a room. This fact is important. Furniture was made for man, not man for furniture; let us think of ourselves before our antiques.
Houses should have two sides—one to face the world with, the other to face the garden. Each is indicative of the sort of person it was who built the house. To some the road side is highly important; to others the garden side.

The feature of the garden façade of this house is found in the large windows, made necessary by the desire to see the garden view and by the close proximity of the large overshadowing tree. The architect was Sir Edwin Lutyens.
ELEGANCE IN THE SMALL HOUSE

Is Produced Not By Lavish Expenditure But By the Exercise of Discriminating Taste In the Selection of Furnishings and Colors

AGNES FOSTER WRIGHT

FURNISHING the small house with elegance does not necessarily mean furnishing it with lavishness. Elegance should be the result of fastidious discrimination; it should create the sort of rooms in which refined, cultured family life finds a sympathetic background.

Nor does elegance mean furnishing in the style of the French periods, which were essentially in detail. An English 18th Century room can have elegance, so can a Colonial room, so can a room of no period style at all; although, as a rule, the very traditions of a period room give it more associations of elegance—elegant ladies and gentlemen who lived formal and dignified lives—than a room in which we cannot recognize a single piece of period furniture. Like the proverbial woman of good breeding who is always at home anywhere, so is furniture of good lines. A heavy oak arts and crafts chair lacks elegance because there is no fineness to its lines and it finds no suitable place except in a camp or bungalow; but a comfortable, over-upholstered chair of traditional contour can have elegance and be at home in almost any surroundings.

How can you apply these general principles of elegance to the furnishing of a small house? When you have only a limited amount of money to spend, you are pulled between quantity and quality. Choose quality every time. Consider your mode of living and the surroundings in which you want that living to be placed. Furnish for the future. Look ahead, with the assurance that, five years hence, your rooms will still be standing up well, your tables and chairs giving good service and your curtains still usable.

You can’t buy furniture with the same viewpoint as you do clothes—for only one season’s service. Good furnishings cost good money, but they warrant the expenditure. Before you start to furnish, decide what is the most you can afford to spend—not easily afford, but afford with effort and the sacrifice of other Fastidious taste is shown by every piece used in the decoration of this living room. The background is sulphur colored: walls paneled and painted and hung with old kakemonos and French embroidered pictures on satin. The rugs are Chinese, in yellow and blue. Some of the chairs are covered in petit-point. Curtains are plain blue silk with painted valance boards. Miss Gheen, Inc., decorators.
things. If you find it difficult to reconcile your apparent extravagance with your household budget, remember that the initial expense in furnishing a house should be allotted or pro-rated over at least five years to come. Or if you are so placed financially that each year must take care of itself, and your buying of furniture is spread over five successive years, then decide which pieces are essential to your comfort and pleasure and buy them first.

In the event of your not employing a decorator to make up an approximate estimate of costs and work, it is well to draw up a systematic scheme of your own. Each room should be given a separate sheet of paper, with all the necessary notations, and each should be filled out with details and extensions showing costs. Examples of such estimates are found at the end of the article.

The wall costs are generally covered by the building contract up to the final plastering or, in some cases, the painting and paneling is included. Have what you really want in wall finish, as that is an expense which will be lasting and give the essential tone of elegance to the room. The main living rooms should be paneled or paneled and the bedrooms can be papered or painted or, if economy must be considered, finished temporarily with water paint.

For the living room the best finish is either wood or canvas and molding paneling, painted with an antique glaze finish. The painted wall seems to afford a richer background for furniture than the average papered wall. Some architectural specifications call for rough cast interior walls. I feel that these very rough, "gobby" walls are being overdone; save in houses of the Italian style they do not suit the character of the furniture generally used.

A library should be paneled entirely in wood and stained or waxed, with the bookshelves recessed. A fine bit of wood carving over the mantel adds distinction. A portrait or panel of old tooled leather gives the same rich effect. These may not be included in the approximate estimate, but should surely be in the back of our mind, when planning.

A dining room affords a little more freedom in its wall treatment. Fine old paper in panels, or painted glazed walls with a bit of marbleizing on the trim gives it an air of distinction. One is apt to tire of decorated walls sooner, but if one's purse allows, it is more interesting to do the unusual thing and, later, change.

The restraint with which this library is furnished accords with its background of rough walls and simple cornice. Such a background serves to enhance the value of the pieces used. Miss Gheen, Inc., decorators.
Halls and foyers are receiving infinitely more attention than they did. They are rather an indication of the rest of the house and one seldom hears as we used to so often, “Oh, I’ll stick it in the hall.” It is a problem to get away from the commonplace in halls, as the essentials are restricted to a group or groups of table, chair and mirror. The walls should be made unobtrusive, if the room is unsightly in shape, but if of pleasant proportions with well placed openings, the walls should be made a feature. Painted canvas decorative panels give it immediately a certain animation. The ceiling may be made interesting by using gold or silver leaf and glazing it down, and using a little of the gold or silver rubbed into the moldings. All the halls in the world seem to have William and Mary or Colonial furniture. To get away from this bromidic treatment try a rich painted commode, and, on either side, a small French walnut console with a mirror above. On the commode place a big bowl of flowers. The two smaller mirrors will be a relief from the everlasting large mirror with table beneath. Halls generally look dim and “leggy” because we have no chance to use an upholstered piece, so the commode gives the necessary weight at the bottom. On the opposite side try two semi-upholstered Louis XVI walnut chairs with petit-point or tapestry coverings. Such a hall has elegance and the pieces are interchangeable.

The main bedroom walls should be paneled and painted or just painted, depending largely on the type of furniture used. If the furniture is to be French or Georgian, the paneled walls set it off better than plain paint. In guest rooms the walls may be treated with a little more freedom and unconventionally. An unusual paper may be used, either set into the panels or papered all over and the moldings may be painted in a different tone from the wall. For instance, if the walls and woodwork are mauve, use soft blue moldings and rub in a little deep mauve and then glaze the whole thing to enrich and subdue it. On a light wall I find a gray glaze gives just the effect needed and does not leave a dirty look to the walls and also does not bring out imperfections of plastering, woodwork and painting as a dark glaze does.

 Carpets and rugs are so varied in quality that one must be sure that the fine qualities are fine enough. Seamless chenille is by far the best thing to use, leaving a foot border.

(Continued on page 76)
The wild, woodsy type of garden has a distinct charm of its own. Here can be grown shade-loving flowers and shrubs—columbines and foxgloves, azaleas, rhododendrons, and a multitude of ferns. Charles W. Leavitt, landscape architect.

Contrasted with the informality of the woodland garden is the more formal type, with a stone-edged pool, an architectural pergola, brick paths and beds planted in straight lines and right angles. Charles W. Leavitt was the landscape architect.
FORMAL and INFORMAL TYPES of GARDENS

Contrasts in Garden Planting

Peonies possess such remarkable beauty that they can well be used in masses or as specimens set in a stretch of turf, with nothing to offer them competition in color and form. Here they are massed. Across the path, set behind low hedges and a low ground planting, standard roses are given the same opportunity for display. Charles W. Leavitt, landscape architect.

The herbaceous border, planted for a succession of color and form, serves as contrast with the massing of single flowers shown above. The border in this garden is happily located in front of vine-covered trellis. Marian C. Coffin, landscape architect.
IN PRAISE OF THE LITTLE HOUSE

A Man Has Arrived at Wisdom When His Castle in Spain Becomes a Cottage in the Country

CHARLES HANSON TOWNE

A RECENT visitor to our shores spoke of the pathetic newness and bigness of our dwellings; of the lack of memories and gentle ghosts in our corridors; and he told me, after he had seen our finest abodes, scattered like jewels over the country, that it made him heart sick to think of our poverty of background.

To him, a home was more than a roof over one's head. He thought of home as a place where there were old secret cupboards and mysterious doors, haunted attics and, best of all, a few little mice to creep out in the darkness, after the family had settled down for the night, to find those crumbs which even the timidiest housewives must sometimes leave strewn about. Of course you have guessed that he was an Englishman.

Home! There is no more magical word in our whole language; and sad indeed are they who have no permanent abiding place. Home has been called heaven on earth; and through all time the cry of the homeless has been the bitterest, the most agonizing that men could hear. But the word home need not be associated with riches—on the contrary, there has always been a tradition that palaces are seldom homelike, and the simpler one's surroundings the happier one is likely to be.

Thoreau convinced us long ago that one needs only a few feet of earth and the smallest of dwellings to be as contented as a mortal can be. He even pointed out that two chairs are sufficient. If more than one guest arrived, the host could sit upon the floor in solid comfort.

As we grow older we see much, that in our youth we thought was indispensable, comes to be simply so much unnecessary impedimenta. We obstruct the pathway of our happiness by placing useless goods and chattels at every turning. You remember, perhaps, the definition a little country boy gave of the word "parlor." "A parlor," he said, "is a room which is never opened except for funerals and weddings."

Think of having so much wasted space! Think of the lack of imagination in filling a great, staring room with hideous furniture, closing the square piano, polishing the central stove, placing the shells carefully by the family album, and then drawing the curtains and lowering the shades, and leaving this mausoleum in its false dignity and isolation to have nightmares by itself!

Such a room plays no part in the home life of the occupants of the house. Then why have it at all? It is like a delightful old lady I once knew who craved a hat with an aigrette. Finally she purchased one, and then, instead of putting it upon her top-knot, she put it upon her top shelf. There are plenty of people like that. But I prefer the kind of person who has but a small house, and yet utilizes every nook and corner of it. A friend of mine in the country, who owns the tiniest of gray-shingled and vine-covered dwellings, is proud of what he calls his "Gun Room." This is, in fact, merely a closet under the stairway; but here he stores his three bits of armament, and takes a certain foolish delight in thinking of them as in a cloistered "room." He has another cranny, of scarcely bigger than a letter box, which he designates his "Butterfly Room"—for he collects rare specimens, and must have a special place for the captured beauty of the fields and meadows.

I think the first thing that strikes one's eyes after a trip abroad is the ugliness of our country architecture. In Europe, the meanest house is apt to be beautified by a bit of surrounding garden. Especially is this so in England, where every working-man takes a native pride in his geranium-bed; and the smaller his dwelling, the larger he tries to make his garden, creating, as it were, another room which will always know the sunlight. Haven't you motored along a highroad and exclaimed, "What a darling little house!" But we seldom cry out in sudden joy at a glimpse of some monstrosous mansion. We may be awed and impressed by it, standing as it does among its stately trees; but certainly our hearts do not miss a beat at the thought of the life lived within its sombre and pretentious walls. No! it is the little homes that thrill us, that bring a sense of longing to our hearts. No one can be happier amid simplicity than amid pomp, and that one's own dusting and sweeping can take on the nature of a sacrament, while the obsequious movements of a dozen flunkeys may bring to us nothing but a miserable satiety.

In America, it has become our foolish habit to tear down old landmarks. Our ancestors may have created for us a certain beautiful thing; but the generations that speed onward to the music of jazz and the loud motor-horn have no reverence, it would seem, for that which should be most precious to us all. "Old fashioned!" they cry, looking out upon some quiet garden, with a border of phlox and mignonette, and enchanting flagstone paths leading to a quaint sun-dial; and in the place where a venerable oak has stood, one is very likely to find—a gasoline station! Such is the tendency of our time, and it is a tragic commentary on us as a people that we tolerate such ruthless destruction, and refuse to stay the hand of the unimaginative and brutal executioner. We would smile now at such a poignant poem as "Woodman, Spare that Tree!" And again I can hear that glib phrase, "old fashioned!" coming to the ready lips of the present generation. "For each man kills the thing he loves" is packed with truth, as well as with poetry; and blind indeed are they who do not see how charged with meaning is that single line.

Now, in art, the surest way to be dead tomorrow is to be the (Continued on page 76)
A HOUSE THAT WAS A DAIRY

There's no telling, in this era of hectic restoration and remodeling, whence any house started. Its previous incarnation was the residence of R. B. Dula, at Tarrytown, N. Y., a dairy building on an estate. The large house being sold, the dairy building was remodeled. A little garden was laid out on cross axes from the main rear windows, evergreens effectively placed for accents, rose beds edged with box set around a circle, the paths marked with stepping stones laid in irregular pattern and the lawn fenced in with white pickets and panels for privacy. Thus a dairy building became a home and the dairy yard a garden. Chester A. Patterson was the architect.
WHEN YOU INHERIT A BROWNSTONE HOUSE

Do Not Condemn It Utterly, for With Discreet Handling
It Can Be Made Habitable in the Modern Taste

ALEXANDER KING

WHEN the only surviving member of the family belonging to the Age of Innocence goes to join the other characters in that charming book, in realms beyond or above, and in due time the will is read, you may find yourself heir to the brownstone-front house, with the contents thereof.

What can you do with it?

Obviously it was intended you should live in it, keeping up the family traditions on the tidy sum at present paid to your landlord for the modern flat.

The first visit to your new domicile is calculated to leave you cold. It is narrow, the stoop is high, and the rooms beyond the polished walnut door utterly impossible. A particularly difficult feature of these spaces is the soaring height of ceilings, coupled with great length and constricted width, producing a most unpleasant impression of bleak corridors rather than rooms. In addition to this, curiously formed plaster details conspire with top-heavy black walnut trim to produce a strangely dismal effect on one accustomed to well-planned and graciously decorated rooms. Where in this cheerless setting can you properly dispense your charming 18th Century antiques, culled with so much care for the present flat?

Of course, when alterations can be made without counting the cost, it is simply a matter to turn over to the architect of your choice. Reconstructions recently done under the direction of some of New York's best architects have been amazingly successful, but such transformations are both costly and time-consuming.

In these days of inheritance taxes and practical economies it is worth while knowing what can be done with a typical brownstone-front house without indulging in elaborate structural alterations, with the inevitable outlay involved.

The accompanying illustrations offer an amazingly simple solution of the problem. Directions run in this fashion. Send for the W aln u t paneling (by means of paint) and gold damask at the windows provided a charming background for fine old furniture in the living room painter (and make sure he knows his business). While waiting for him, get in the truckman from around the corner and have him cart away to auction all the black walnut horrors not permanently attached. The picture marked "before" will give a working idea of what to eliminate. And only in rare instances can you afford the luxury of sentimentality about these original furnishings, if the house runs true to form.

When the painter arrives, he will protest volubly at the idea of painting over the black walnut trim. Very well then, offer him the alternative of producing the effect of walnut by painting the plaster walls, paneling them and finally graining them to match these trims. This was done in the case of the living room shown in illustrations. Behold! our Mid-Victorian horror has become a charming walnut paneled room reminiscent of the Regency. Only the most disturbing gewgaws of wood trim were removed and the arched tops of the bookcases reproduced for window cornices to balance both ends of the room. The rest is paint. Mouldings are applied quite simply on the original plaster in the usual way. The arrangement of large balanced panels on long wall spaces greatly helps the bad proportions and a clever disposition of furniture still further reduces to livable comfort this long narrow gallery.

The stair hall which opens into this transformed living room, has been made far more spacious and hospitable in effect by a careful management of light. The original wainscot and other woodwork are painted jade green and the walls gilded and aged to give a becoming background for a fine old mirror and needlework sofa, formally placed. Appliques and tall jardinières in the Directoire taste complete this attractive arrangement. Another mirror on the opposite wall near the entrance door, helps to coax much needed light into an (Continued on page 74)
A breakfast room was a desirable feature. As the kitchen was quite large, with the range and sink in the rear, the garden end of the room offered possibilities for decoration. Red tiles cover the floor. The woodwork is painted yellow and a colorful paper was hung above the dado. Gingham curtains and painted cottage furniture complete the equipment.

When the gimcracks had been removed from the living room chimney piece, it was found to have quite presentable lines. It was then painted to simulate walnut, thus matching the walls which were paneled and painted in the style of the Regence. With its crystal lustres and chandelier and its over-mantel painting, the room as it stands today is quite colorful.

Large simple panels help produce an air of spaciousness in the living room. This grouping of tapestry, couch and table is especially pleasing.

The hall woodwork is painted jade green and the walls antiqued gold, an excellent setting for the red and black lacquer mirror and the needlework sofa.

In the reception room the chimney piece of red lacquer, marbled columns and etched glass panels recall the Directorate. The walls and woodwork are green.
The construction of a log cabin is simple. Concrete or log foundations can be used, with walls of notched and fitted logs and wood or composition shingle for the roof.

Cement caulking was used in this log cabin in Sea Breeze, Florida, designed by Frank J. Forster, architect. The doors are batten, windows are casement.

As several of these Florida cabins were erected, there was a slight variation given the arrangement of the rooms. The plans are simple and compact.

Painted furniture is in keeping with the log cabin atmosphere. A fireplace dominates the living room. The equipment fits in compactly. Furnishings by Miss Chaffee.
The middle west type of log cabin often boasted a porch made by the extension of the low roof. A huge outside chimney is also a feature. This reproduction is on an estate near St. Joseph, Mo.

The plan affords adequate room for camping—a large living room, one bedroom, a kitchen and a bath. The porch can be used for outdoor sleeping. Eckel & Aldrich were the architects.

LOG CABINS FOR THE SUMMER

The summer cottage of W. H. Shields at Spirit Lake, Idaho, is a combination of stone, log slabs and white trim, the stone and slabs giving the house suitable relation with the site. Whitehouse & Price, architects.

On the lower level of the Shields’ cottage one finds a dining room, a breakfast alcove with kitchen and storage behind. The second floor is given over to a big living room and one chamber and bath.
WATER gardens are of varied types, and of them, none is more fascinating than a garden laid out along a brook. Fortunate indeed is the man whose country place can boast such a little stream; his water garden is already commenced.

In gardening along the sides of brooks, we usually first have to face the problem of preventing overflows caused by heavy thaws in winter and violent rain-storms in summer. For the low and level shores in the plain the rampant root-systems of moisture-loving plants may prove sufficient safeguard, but the swiftly moving water that traverses rolling land districts often requires a more careful securing of its banks by rocks to prevent washouts. This security of structure must be assured before the plants are set out. When we come to the plant material that is available for brookside gardens, our interests naturally turn to the semi-aquatic section and hardy herbaceous denizens of lowland regions.

Representing a type which, under congenial conditions, frequently assumes an almost tropical luxuriance in foliage and flowers, the possibilities for the enjoyment of arrangements of rare beauty appear propitious. Thus in setting out the plants we can observe the wonderful effects gained by contrasting the graceful forms of ferns with, for instance, the magnificent leafage of *Senecio Verticillatus* and *Wilsonia trichosanthes*. The massive growth and the metallic lustre of *Funkia Sieboldiana* and *Funkia fortunei gigantea* nowhere show to better advantage than along the brookside. Within the tempered atmosphere that lies near the clear running stream of water, one can use such types as *Iris orientalis*, *pseudoacorus* and *sibirica* varieties. We will

Where the stream becomes a torrent in spring and fall the banks should be supported by rocks or plants with especially rampant root systems that will hold the soil from washing out.
also admire the stately growth and graceful panicles of Spiraea aruncus—palmata and palmata elegans—and, having been regaled once by the brilliant spectacle of the highly attractive white, salmon and pink shades of the new Astilbe Arendsi varieties in beauty vieing with gorgeously hued masses of flowers of the Japanese iris, we always long for enjoying it again during ensuing seasons.

When we have dotted the immediate water edge with plantations and clusters of the swamp forget-me-nots, swamp marigolds, moisture-loving hardy primrose and Saxifraga cordifolia, we begin to realize the enchanting possibilities of brookside gardening. The brookside can also serve for a fernery. The rising banks of a brook running through sections of woodland afford an ideal location.

The brookside can also serve for a fernery. The rising banks of a brook running through sections of woodland afford an ideal location. Aside from a congenial atmosphere, there is frequently diversity in natural ground elevation at hand which favors the arrangements of effects and fully demonstrates the grace and supreme beauty of the foliage of ferns.

Lacking this ideal brook bank, one may reconstruct it indoors under glass. The late John T. Morris of Chestnut Hill near Philadelphia, when designing his famous country seat "Compton," understood how to take advantage of the brookside. In order to enjoy the incomparable perfection in outline and formation of the fern fronds throughout the whole year he went a step further and built a small fernery, 60' by 45' under glass. In this greenery sanctuary there is ingeniously designed rockwork and an audibly trickling stream running down into a pool near the little bridge. His 200 species of ferns and selaginellas Mr. Morris succeeded in arranging in the way Nature sometimes does when, in her holiday mood, she gleefully scatters ferns in deep, remote, wind-sheltered ravines of the mountains. There is no doubt that for indoor and outdoor work on a small scale the artistic conception and execution of the fernery of Compton is one of the best and most instructive object lessons we have in America.

However small or large our brookside garden may be, formality or any suggestion of forced effects must be absolutely barred. We are dealing with elements which are essentially naturalistic, and they must be used in nature's own manner. Exotic plant material, however striking in appearance, could but clash with the rightful denizens of the site and conditions. We do not necessarily limit ourselves to plants naturally found growing there, but we must hold to kinds of their general type.
Color plays a more important part in the nursery than in any room in the house. Children are peculiarly susceptible to it and for this reason walls, furniture and floor should be vivid in tone and decorated in a manner to intrigue a child's imagination. The painted walls above, in a series of fairy tale scenes, are colorful and decorative.

A NURSERY THAT A CHILD REMEMBERS

Comfortable and convenient is this nursery with its ample space for books and toys, sturdy furniture and graceful low settee covered in gay chintz. The Windsor chairs, table and shelves are painted in soft tones taking their decoration from the embroidered flowers on the curtains. De Armond, Ashmead & Bickley were the architects.
GRAY of all the colors, may be best be described as neutral; of all, it is the most colorless—the least emphatic. Compared with the variety in other colors, the tones and the shades of gray are inconceivable; it is weak in contrast—in short, it is the neutral tint par excellence.

Yet, in spite of these negative qualities, gray is by no means a submissive, pliable factor in the decorative scheme; the browns can be bent with practically all arrangements; not so the grays. Strange though it sounds, it is nevertheless a fact that even with the delicate shades, you get quite surprisingly positive effects; a room needs very careful handling where gray is the keynote.

It is, in the first instance, a cold color, taking it as a whole. This quality is valuable in sunny latitudes to temper the strong light and to give the effect of shade and coolness. It has also a somber—no to say a sad—propensity; "sad-colored" was, in fact, the old word used to describe the color. The decorative use of gray, then, is beset by certain difficulties, but these should not act as deterrents; rather the contrary, for the gray room has never been overdone, and, when it is well done, distinction and originality are added to its real beauty.

In gray, as in all other colors, there are two scales: the cold shades and the warm. Cold grays are made simply from black and white; to black, white is added for the pale tints; to white, black is added for the dark shades. Some slight variation is produced by the different blacks which are used; pure ivory black has a well-marked blue tinge, white lamp black and gas black are brownish. In iron gray the black and white appear to be fairly evenly balanced; in pearl gray the white predominates; in charcoal gray, the black.

The lead shades—dark and light—are made by adding lamp black to white lead, and slate gray by adding lamp black to white, black is added for the pale tints; to white lead, tinted with lamp black and yellow ochre; a little ultramarine is added to the ingredients for the "elephant" shade. Silver gray is an extraordinary elusive tint; and both are made much alike, on a basis of white lead, tinted with lamp black and yellow ochre; a little ultramarine is added to the ingredients for the "elephant" shade. Silver gray is an extraordinary elusive tint; every painter would seem to have his own formula on the matter. It should show a very faint lavender tinge, and white lead should form the chief part, tinted with lamp black and a trace of indigo; yellow is sometimes added. The exact proportions cannot be given, but it should always be borne in mind that a little black for tinting purposes goes a long way; it should be added by degrees, in small quantities, and well mixed. A nice greenish gray can be made with zinc white tinted with black, and the green which is called middle chrome. Mouse color just verges on brown; this useful tint is also based on zinc white, and toned with black and brown (burnt sienna and raw umber mixed).

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One of the chief parts, tinted with lamp black and a trace of indigo; yellow is sometimes added. The exact proportions cannot be given, but it should always be borne in mind that a little black for tinting purposes goes a long way; it should be added by degrees, in small quantities, and well mixed. A nice greenish gray can be made with zinc white tinted with black, and the green which is called middle chrome. Mouse color just verges on brown; this useful tint is also based on zinc white, and toned with black and brown (burnt sienna and raw umber mixed).

Another version is made with white lead, ten parts, burnt umber, five parts, with zinc white tinted with black, and the green which is called middle chrome. Mouse color just verges on brown; this useful tint is also based on zinc white, and toned with black and brown (burnt sienna and raw umber mixed).

The warm shades are produced by the addition of primary colors to the black and white; yellows, reds, and blues, according to the hue required. French gray, though not strictly a warm shade, is blended in this way. Crimson lake and ultramarine may be added in small quantities to white that has been grayed with a little drop of black. Or the black may be omitted, and the blue, with Venetian red, used to tint the white. These and other combinations will give quite accurately the well-known shade with its faint lilac tinge. Other shades and tints of gray are less definite; color nomenclature is always a little confused and misleading. People do not see color alike; one trade name differs from another when the same thing is intended. There really is no fixed standard.

Elephant gray does certainly convey a clear image, and this may be quoted as a very good color to work with; but it may be confused with smoke gray—another valuable shade—and both are made much alike, on a basis of white lead, tinted with lamp black and yellow ochre; a little ultramarine is added to the ingredients for the "elephant" shade. Silver gray is an extraordinary elusive tint; every painter would seem to have his own formula on the matter. It should show a very faint lavender tinge, and white lead should form the chief part, tinted with lamp black and a trace of indigo; yellow is sometimes added. The exact proportions cannot be given, but it should always be borne in mind that a little black for tinting purposes goes a long way; it should be added by degrees, in small quantities, and well mixed. A nice greenish gray can be made with zinc white tinted with black, and the green which is called middle chrome. Mouse color just verges on brown; this useful tint is also based on zinc white, and toned with black and brown (burnt sienna and raw umber mixed).

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The walls of this living room are covered with a water paint of gray. Against this background there show to advantage curtains and carpet of green and cretonne covers gaily patterned on a black background.
If the lines and trim of a window are decorative and pleasing, it is inadvisable to hide them behind heavy draperies. The graceful, arched windows above are simply curtained with one layer of rather coarse net, hung inside the trim. This affords just enough protection without obstructing the view.

In a country house dining room a window may serve as background for a low sideboard. In this case no overhangings should be used, sufficient protection being afforded by a curtain of coarse cream colored net with a border patterned after Italian filet lace. Coarse fringe in the same shade adds a finishing touch.

Sheer curtains for the country house

Sometimes it is desirable to conceal the outside view. A net curtain in an all-over design accomplishes this, at the same time allowing sufficient light to filter through. It is more transparent than a closely woven material and yet insures the same amount of privacy. The hangings are of striped taffeta.

In the country house morning room above the French windows have only one set of hangings of cream colored lace patterned all over in a fine geometric design. These may be looped back during the day. The simplicity of this window treatment acccents the ornamental gilt cornice and Chinoiserie panels that are so decorative.
The Little Portfolio shows six views of a farmhouse at Indian Hill, Ill., furnished in a manner suitable to the atmosphere of such a residence. The living room has an early American paper in yellow and gray, a black carpet with gray roses, couches in red and gray check.

In the dining room the whiteness of the paneled walls is relieved by curtains of brown linen edged with blue woolen fringe and topped by valances in blue needlework with a design in gay colorings. The table and chairs are made from old models. Miss Gheen, Inc., decorators.
The simplicity of the furnishing is characteristic of a farmhouse. There has been no effort to make it other than it is. The result is an atmosphere of peace and ample comfort. That is the air of this guest room, with its Jacobean four-poster, and its glazed chintz dressing table.

Another view of the dining room shows the Duncan Phyfe sideboard which set the note for the rest of the furnishings. In one corner is an old walnut cupboard with glass doors. The chandelier is of crystal, the side lights of silver. Neutral carpeting gives the room a quiet foundation.
The master's bedroom has gay curtains and one wing chair in an old-fashioned chintz of foxglove pattern. Another winged chair is covered with green frieze. The bed is an early American piece in maple. The bureau and its mirror and side chairs are suitable companions for the bed.

Another master bedroom has old-fashioned rag carpeting on the floor, and a wall paper of moss roses and lilacs. The bed and the bedside table, the bureaus and the chairs are all early American pieces. Scrim curtains with ruffled edges and bow tie-backs are perfect accompaniments for the furniture.
ONE often wonders why the casual American critic is so prone to lament the absence of an American architecture, to bewail the fact that we have added nothing original to the art of building. Visiting foreigners are much more lenient with us. W. L. George only recently has sung a pan in praise of our skyscrapers (a typical and beautiful American word) and many other world citizens grant us rather inspired achievements in monumental or civic building.

But my plea is for a few wreaths to be laid at the feet of the delightful things we have done—and not too entirely in the past—with domestic architecture. In spite of the infancy of our civilization we are precocious enough in architectural traditions to put forward a fairly sound claim to having created distinctive and charming styles of dwellings that are quite American notwithstanding admitted influence.

It is too obvious to state that at this comparatively late date in human evolution any art or science must be to a great extent derivative. The te

The square columns, steep roof and free-hanging balcony are distinctive, near-New England features of this house at Newman

A street in Clinton is lined with trees in the New England fashion, and the branches are festooned with clusters of purple wisteria

In Georgia

A Study in Transplanted Architecture

NEW ENGLAND IN GEORGIA

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It is too obvious to state that at this comparatively late date in human evolution any art or science must be to a great extent derivative. The text of the aboriginal and the log cabin, which were the a, b, c's in building of the earliest native and imported Americans, might conceivably have been translated by some imaginative super-designer into lasting architectural forms. But failing that, we have more conservatively, if not so originally, succeeded in assembling several architectural contributions over whose merits we need not be too downcast.

If architecture, as has been said, mutely and accurately spells the history of a locality, so too does it set forth the character and tendencies of a people. "Show me what a man builds and I'll tell you what he is." We have set up vivid historical documents in the form of our Colonial architecture—original variations of age old themes which speak clearly and with a very native tang of a not too uncivilized and not too sophisticated America.

Are our critics like the man who couldn't find the forest for the trees? To refute them our early American dwellings stand on the Atlantic seaboard in at least three defined types—Georgian England, out of Greece undoubtedly—but attaining a personal and descriptive distinction that could not come of slavish borrowing. Put any fine example of New England Colonial, Dutch Colonial or Southern Colonial in a typical English setting and see what aliens they are—hear the eagle screech, and with what a Yankee accent! These three types while often lacking the classical perfection of some of the beautiful Georgian architecture of Virginia, Maryland and Charleston (which was generally the work of English architects) have, perhaps through the "defauts de ses qualités" a freshness and individuality that no mere adaptation attains. They have the beauty and suitability of the
indigenous, are characteristic outgrowths of
the soil.
But I started out not to wave the Star
Spangled Banner for sycophantic critics but
to give evidence of how one of our native vari-
ations has kept its distinct qualities, positively
flaunts its ancestry and personality while making
itself at home at the other end of the con-
tinent.
It is so far a cry from New England to
Georgia, that, architecturally one would say
never the twain shall meet. But, should you
chance, some spring morning, on a little town
called Clinton on the high road from Macon
to the old capitol of Georgia, Milledgeville,—
should you turn down the narrow elm lined
road where wisteria hangs purple festoons from
tree to tree and lilacs blow their sweetness from
every fence corner, while the cool sun of April
dapples the prim white houses with faint tree
shadows—should you look twice at the simple,
graceful houses in their composed settings, you
would forget the exotic red soil, condemn the
dilapidation and say convincingly, “New En-
gland.”
Clinton was settled the last part of the 18th
Century by some enterprising New Englanders
who came to make and sell cotton gins in
Georgia. They transplanted to their new set-
tlement just as much as was humanly possible
of the atmosphere of the homes they had left
behind. Their dwellings have the fineness,
the restrained beauty and charming severity of
the best New England designers and as these
migrators prospered they put delicate furniture
against the panelled walls or polychrome wall-
papers of their “parlors”, they planted their
prim gardens with old New England flowers
and kept white their picket fence boundaries—
recreated a bit of New England here in the
far South.
One gets here a breath of a cooler clime, a
fainter fragrance than that pervading the sur-
rounding country with its almost too colorful
richness—red of soil, blue of sky, deep lush
green of vegetation. These vignettes of New
England set against the overgrown Southern
background, have the wistful beauty of the
stray vebenas one sometimes sees blown from
some old fashioned garden to perpetuate them-
selves in a forest clearing—out of place but
with a subtler challenge for all that, a more in-
dividual appeal than when hemmed behind
white gates or clustered around Grandmother’s
conch-shell borders.
There are occasional examples elsewhere in
Georgia, though none so perfect as Clinton, of
the New Englander’s carrying with him to a
distant home what he loved best and what most
vividly expressed him in his architectural tra-
ditions. Somehow in setting up his home he
has always managed to make clear for “pry-
ing historians of today,” the unmistakable
qualities of the Puritan builder—the serious
restrained outlook on the “carefully ordered
days of this uncertain life”, the ascetic dignity,
the poise and precision. A sampler from one
of these old houses preserves some of the flavor
of his philosophy. Its simple burden is this:
“Seize, Mortals, seize the present hour,
Improve each Moment as it flies;
Life’s a short Summer, Man a Flower,
He dies, alas how soon he dies.”
The problem of a hillside garage was solved, on the country place of George J. Dyer, Norfolk, Ct., by excavating a bank. The car floor is on the level of the road; above are servants' and chauffeur's quarters and in the corner is a small greenhouse. Arthur Nash, architect.

The owner's desire to have a garage erected on a piece of land opposite his own house without marcing the landscape was accomplished by putting the entrance in the rear and finishing the front to resemble a bungalow. It is the property of Thomas Skinner, Northampton, Mass. Murphy & Dana, architects.

CONVENIENT GARAGES OF ARCHITECTURAL MERIT

In the New England Colonial farmhouse one often finds that the passage from the house to the barn is built as an arcaded series of sheds. In the home of Francis Boardman, Riverdale, N. Y., this old-fashioned device was used for the garage attached to the house. Dwight James Baum, architect.
BUILDING a house is a romantic adventure. As we grow in architectural grace, it may also become an educational enterprise. In time, quite likely, chatty sentences embracing "Doric detail", "Palladian influence", "Colonial variation", will fall trip-ingly from our lips. Gradually the difference between concrete and cement will become established in our reluctant minds. We will learn to turn coldly away from cast iron (it must be wrought); eventually we will read a blue print as lightly as though it were a best seller, and check up a specification as easily as a bill from the milliner's. To our homeless neighbors we will speak of hollow tile, expanded metal lath, of trim, of valves, of classic hoods, airtily, yet as to one having authority. By and by, we learn to support this weight of knowledge with quiet grace, eventually it slips into a useful background, and then we awaken to the real romance of building a house, with the realization of all the wonder mere windows and doors have added to civilization—in fact, to what extent they are civilization. And the fascinating importance of the fireplace is born in upon us.

Early in the development of home architecture, the fireplace became the center of decorative interest. In time it was ornamented from ceiling to hearth, richly carved pillars supported its lintel, the chimney breast of the French fireplaces carried the finest examples of Grisaille and Camièque; swags in polychrome or white circled the fireplace. Then it was interpolated into famous furniture periods, set-tles and great couches were placed in front of it, and in Colonial and Jacobean times the opening for the actual fire was so broad, that seats were built in the chimney sides. Stone and brass were finely and fantastically developed for fireplace fittings, tiles were brought from southern countries for the hearth and the fireplace became the pet of the domestic architect.

The fireplace has been no mere home-building detail, not just an opportunity for comfortable evenings in the winter time. It has helped make history. It has brought romance into architecture, just as the casement window did centuries ago, and as the garden gate did later.

The first fireplaces were built of stone in the center of the room, in fact the central hearth is still found in the teepees of our North American Indians. The only way in which the smoke was carried off in those early days was through a hole in the roof, through crevices about the windows and through open doors. Chaucer was troubled by smoke at some feminine occasion, and noted complainingly, "Full sooty was her bower, and eek hir hall, in which she eet full many a scelldre meal". But the central hearth with all its inconveniences did bring warmth into the house and furnished opportunity for cooking indoors, and at night the masters and their henchmen and their dogs clustered about it to sleep. But civilization moved and at last smoke turrets were introduced into the roofs and louvers came into existence so that smoke could escape without letting in rain and wind.

A little later the movable brazier arrived and was definitely more comfortable than the fixed hearth in those enormous huge halls. Gradually a little imagination crept into the question of heating great palaces, and the fireplace was shifted back against a wall, sometimes to the corner of the room. There were no chimneys, to be sure, but tall hoods were introduced that projected over the hearth, and sloped back to the wall at the roof, the smoke

IF YOU ARE GOING TO BUILD

Consider the Fireplace and Its Contribution to the Comfort and Beauty of the Rooms in that New House

MARY FANTON ROBERTS
The supporting stone columns, carved wood mantelshelf and fireback in herringbone pattern make this a distinguished fireplace. Walker & Gillette, architects

(Below) In a remodeled farmhouse one may well preserve the sturdy old fireplaces. This was done in the home of Webb W. Wilks at New Canaan, Ct.

A room of such handsome proportions as that above is fittingly enhanced by a late 17th Century Italian Baroque fireplace. Walker & Gillette, architects

An authentic Colonial design, in the home of Lawrence M. Keeler, Watlingsville, Mass., is usual for the wide opening of the fireplace. Joseph D. Leland, architect

escaping through a hole in the roof, directly over the top of the hood. These hoods were very beautifully proportioned and seemed to be an integral part of the great coved stone ceiling through which they passed at a vast height. They are still to be found in some of the old English Chapter houses. The hearth projecting out in the room from the wall, with a metal hood, sloping back to a chimney, is much in vogue today in England, especially in those charming smaller English homes designed by Raymond Unwin and Barrie Parker. The idea being that no heat can be lost up the chimneys.
An unusual fireplace, found in the New York City home of Clayton Sedgwick Cooper, consists of a black plaster chimney breast with a bronze insert. Dwight James Baum, architect

Carved wood decorations in the manner of Grinling Gibbons surround the overmantel panel in one of the rooms of the home of Leland H. Ross at Madison, N. J.

The Tudor atmosphere is crystallized in the stone surrounds and paneling of this fireplace in the home of Leland H. Ross, Madison, N. J. F. G. Behr and O. B. Smith, architects

The Elizabethan paneling and furniture in this bedroom of an English country house are fittingly accompanied by a high stone fireplace. Richardson & Gill, decorators

Some magnificent fireplaces were built with these hoods in old English houses, but the finest of them could not equal the hooded hearths still to be found in France, at Langeais, Blois and other chateaux in the Valley of the Loire. Although the beginning of the use of recessed chimneys carrying the hearth back in the wall, was really a development of the 15th Century, they were not entirely unknown in the 12th Century. When drawn back in the wall in this fashion, they were nearly always of stone with a stone lintel and stone pillars at the sides. When a large enough stone

(Continued on page 80)
Eight months after the greenhouse was moved, the garden was finished. This view of the iris garden is taken from the same spot as the picture below.

On another place a ramshackle farmer's cottage was removed and the stone used for steps, and to wall in a little garden of shade-loving plants and ferns. Rhododendrons, mountain laurel and other broad-leaved evergreens give it background.

The plan shows how the greenhouse walls enclose the garden. Its floor levels made possible the various interesting garden divisions. Morse & Morse, landscape architects.

This photograph of the Lavino garden was taken before the razing of the greenhouse had been completed. Fresh soil was placed in the terraces and the garden planted according to the plan shown. It was finished in eight months.
GARDENS IN OLD FOUNDATION WALLS
The Foundations of Old Razed Out-Buildings Often Form the Best
Sort of Garden Background for a Country Place

NORMAN K. MORSE

In the course of remodeling old houses and the grounds near them, we often encounter old foundations which must be removed or else utilized so that they will blend with the new order of things. It frequently causes a pang of regret to tear down these old bits of masonry—sometimes nicely covered with moss and creepers—and sometimes with little wild flowers growing in the scant soil of the crevices. The possibilities of beautifying and using them as an asset to the grounds is always well worth considering. It is wonderful to see how attractive they can be made with a little cleaning up and some changes here and there.

In one instance, on the place of Mrs. E. G. Lavino, Rydal, Pa.—where a greenhouse had been moved, the foundations were in just the right position for a very interesting garden built on the various levels of the old greenhouse floors, one level being connected to the next by rough masonry steps, each terrace handled individually but with relation to the whole scheme. The greenhouse had been protected on the north by a high wall. This was allowed to remain, all other walls were razed to the surface of the ground at the various levels. The old cement floors were removed and deep beds of new rich soil were made for the shrubbery and flowers.

The upper terrace, about 16' x 50', is shaded by an arbor of rough red cedar. The floor of this level is covered with large irregular slabs of flat stones, set so that the grass can grow between the joints. Steps lead from this terrace down to the level which was originally the main house. This space is 30' x 55' and here ornamental shrubs and dwarf evergreens form a background for a simple arrangement of flower beds for the old garden favorites. A large, ivy-covered sun dial forms the central feature, stepping stones circle around it and at right angles to the garden, lead to another set of rough steps descending to the iris garden. This has a small rectangular pool 5' x 8', surrounded by a grass panel with a border bed of iris and peonies, forming the background. One of the old greenhouse walls enclosing the iris garden was made of rough field stones and crevices have been made in the wall in which a number of the alpine plants were placed. These little plants spread so quickly that it will be only a short time before they almost cover the stones. The collection of plants, selected so that their time of bloom would give color and foliage effects all through the flower season, insures an interesting and ever changing variety.

The whole scheme of this garden was suggested by the position and levels of the foundations and it is surely more attractive in the interest of its unique outlines than it would have been with the walls torn down and the ground leveled at considerable expense in order to have a comparatively unattractive formal garden.

An interesting and quite different development was the treatment of the foundation of a farmer's cottage which had been (Continued on page 88)
CREAM AND APPLE GREEN FOR THE COTTAGE

A Simple Summer Arrangement of Color
For Five Small Rooms

WEYMER MILLS

THE HALL

Walls: Cream.
Woodwork: A bluish apple green.
Floor Covering: A cream and green linoleum in large squares to imitate marble.

In front of the hat-rack a hook rug with an arrangement of quaint, soft colored flowers or a portrait of some farm pet, perhaps a horse or dog.

Furniture: An early American style hat-rack in shape of a lyre. This can be painted cream and stenciled with gold and green ivy leaves.

A simple hall table with spindle legs decorated to match the hat-rack.

On either side of the table a Windsor chair—a copy of an early English or American model painted the bluish apple green of the woodwork.

The chairs should have flat cushioned seats covered with old American glazed chintz in which a sealing-wax red tone predominates. The baluster rail can be painted this same red and any hall pictures, old prints suggested, should have red frames to carry out the effect.

THE LIVING ROOM

Walls: Cream.
Woodwork: A bluish apple green, with more blue than the hall.

Chimney Piece: Simple Georgian design in wood. The fireplace tiled with copies of 18th Century Dutch tiles, yellow birds on blue branches suggested.

Over the chimney piece: A old portrait in which pink and red predominate.

On the chimney piece: Blue and white dolphin candlesticks and other ornaments of the same glass.

Window Curtains: Chintz blinds or shades of a pattern of pink and white roses on a green ground.

Furniture: A large circular maple table, a settee, a reading chair, a sewing chair and several occasional chairs and tables—the same wood suggested.

Floor Covering: Pale green Japan matting.

In such a room the lamp shades can be made of pale green paper bound with apple green and for any chair covering a pink, white, and apple green chintz should be used. White pottery urns holding white and mauve garden flowers would be effective as table decorations.

THE DINING ROOM

Walls: Cream.
Woodwork: Cream.

Floor Covering: Stained apple green and varnished.

Furniture: Table and chairs, any copies of pleasing 18th Century models painted white. The seat cushions of heavy cream colored chinask.

Curtains: Curtains in such a room should be heavy white linen or cotton bound with a cream silk braid. A pleated valance would be effective. The dining room windows should open upon a flowering garden.

The table ware should be coarse cream colored pottery if a white table cloth is used. The centre piece, a cream vase holding white flowers. The glasses and any glass table ornaments, of apple green Venetian glass.

A LARGE BEDROOM

Walls: Apple green.
Woodwork: Cream.

Floor Covering: Cream Japan matting.

Window Curtains: Pink and white striped chintz or pink and white checked gingham.

Furniture: Painted furniture of cream white and pink, copies of Sheraton shapes suggested.

The pictures in such a room should be soft 18th Century water colors of flowers or modern reproductions of the same. Cream frames would be effective; each picture hanging from a pink silk cord the color of the pink in the chintz.

For rugs, large rag rugs in shades of pink and green are suggested.

A SMALL BEDROOM

Walls: Cream.
Woodwork: Cream.

Floor Covering: Apple green velvet carpet with cream border one yard wide.

Window Curtains: Cream linen chintz with design of mauve flowers and foliage.

Furniture: Painted furniture of pale mauve with decorations of deep purple grapes and green grape leaves. Victorian walnut pieces, obtainable at any second-hand shop, are suggested for repainting.

The pictures in such a room should be two or three amusing samplers or pieces of Victorian needlework, birds or flowers. Apple green frames would be effective, each picture hanging from a cream silk cord.
A solution for the small house problem may be found in the house erected with standardized materials on a plan that will permit of several different exteriors. The model shows the "Salem Cottage" design.

The architects estimate that the Salem Cottage design can be executed for $15,000. This figure includes shades, screens, decorations and lighting fixtures. Grading and landscaping are additional.

A STANDALOIZED SMALL HOUSE

The Model Shows a "Salem Cottage"

The minimum plot size required for such a house is 75' front by 100' deep. From the view shown below we can see the pergola enclosing the third side of the garden. The rear wing houses two bedrooms and a bath with a connecting corridor.

Six other exterior designs can be built on this or an alternate plan, including English, Colonial brick and Italian. The family's bed chambers, living room and porch all face the garden. Designed and built by the Patterson King Corporation.
AFTER a strenuous day in the midst of a busy city, the atmosphere of a simple landscape garden of foliage and flower is soothing to mind and body. Perhaps it is just a tiny garden of twenty-five or thirty feet breadth, but even so, we know that some of the most interesting bits of landscape planting, real jewels of the art, are to be found in crowded cities. However small the area, it is possible to create a true garden home with a little study and observation and sincere application to the problem. And what fun it is to plan the garden, select the plant materials and do the planting! There is a wealth of happiness in learning to compose foliage and flower color, but the greater happiness comes when the garden is complete. Then the home owner is richly rewarded for his sincere efforts to create a living landscape of his own.

No area is so small that it may not include a simple, pleasing arrangement of hardy flowering shrubs and flowers accented with a few small trees. With a little pleasant reading of good landscape books, which are to be found in every library nowadays, and close attention to magazines devoted to such topics, the city dweller will soon gain a small education in the principles of landscape gardening, so that he will be enabled to plan and plant his own small garden. It can be done if the desire is present, for after all it is no more difficult than learning to play golf or run a new auto, and all of us take such pastimes as a matter of course. It is just a matter of reading and then application of the principles. Reading of a dozen books, and most of these are interesting, will make the principles plain, and then by observing carefully drawn plans and noting their chief characteristics, any earnest student can create garden pictures. One man has said that the reason more people do not plant their grounds right is because they do not try. Even if the owner desires to employ the services of a professional landscape architect, he could do better work if the owner had a fair knowledge of the principles he employs in the work.

Many of our cities would appear far more attractive if more people would get the spirit of modern landscape planting. The writer is familiar with hundreds of residence streets and there is everywhere an apparent lack of knowledge of creative planting. In many cities, while the house architecture is good, it is to be noted that the planting is not at all in keeping with the lines of the house itself. We frequently see in the leading architectural magazines, pictures of the very best in house architecture, yet the effect is injured by the careless methods of planting. A small tree or shrubs improperly placed near the house will often ruin the picture from the artistic standpoint. Most of this carelessness is due to the lack of general education in gardening as an art, coupled with the fact that as yet the landscape profession is comparatively new and its members few in number. Those of us with a vision look forward to the time when both the city and country will be a beautiful garden. The home owner who takes a real interest in his planting problem will hasten the day.

The garden illustrated here is typical of what may be accomplished on a very small area, this plot being about 30' in width and 45' in length. The primary object was to make a secluded, restful retreat, a private garden of simple design that would give pleasure to the household as well as shut out from view the unsightly buildings at the rear. How well this has been done, the picture indicates. Care was used in the selection and arrangement of plants to bring about simplicity and balance, and at the same time to show variety.

The center of the garden is left as a panel of lawn enclosed on three sides by the hedge of shrub foliage, which with the corner accents of pyramidal birches will completely shut out the rest of the unsightly view in another year. The maple tree in the foreground casts its shadow in an effective way to the lawn below, giving to the garden a rich appearance. The flowers are arranged in small panels in the lawn at the sides and ends, the white seats and bird bath serving admirably as accents without marring the simplicity of the whole composition. No shrubs were used which are not of proven worth in varied climatic conditions. In the corners with the birches are massed Persian lilacs, these being chosen because of their refinement in contrast to the coarser varieties. The Persian lilac, moreover, does not sprout at the base nor wait so long to present us with its wonder flower clusters. Frequently it will bloom the same year it is planted, although the plants are very small. Among the other tried and true shrubs are the staghorn and fragrant sumac, Regal's privet, ninebark, mock orange and the snowberry.

In choosing the flowers, only tested varieties were used like the gaillardia, achillea, iris, phlox. Black-eyed Susan, platycodon and campanulas. These all furnish cut flowers over a fairly long period and look well in the beds. Rather than make a regular collection of individually attractive plants, it was the desire of both owner and gardener to arrive at an intimate garden enclosure, simple and pleasing in outline.
The home of Gene Buck, writer of song lyrics, at Great Neck, L. I., exemplifies the charm of Italian architecture of the simpler type. Patterson & King, architects.

A GROUP of SIX HOUSES

An interesting feature of the entrance door is a Grecian panel in bas-relief. The planting around the house is formal and especially suitable for its type of architecture.

The first floor plan is unusually complete, and includes the maid’s quarters. On the second floor are a master’s suite with dressing room and bath and three guest rooms and bath.
Projecting bays on the front facade of this house, at Saratoga Springs, N. Y., give added interest to the exterior and form pleasant features of the living and dining rooms. A recessed terrace and a piazza off the dining room provide more than the usual outdoor sitting space.

To keep the direction of the building from being accentuated vertically, as the two chimney stacks suggest, the architect has placed a belt course over the first story windows. This is shadowed by a slight flare of the shingles. The colors of the house are suitable for a country site—white painted shingles, green blinds and a brown roof. Lewis E. Welsh was the architect.

A large central hall with shorter halls on either side provide an air of spaciousness to the first floor that is particularly desirable in a summer house. In fact, the entire arrangement of rooms is one that lends an air of comfort rather than suggesting studied economizing on space.

All the chambers are arranged with separate baths, a desirable provision in a country house designed for hospitality. In the attic is ample space for two more large rooms and baths. The corridor in the ell is lighted by two windows and a large stair window lights the middle corridor.
July, 1922

The earliest New England types furnished the suggestion for the projecting second story, adding considerable extra space to the second floor and giving a pleasant shadowing to this facade.

This and the house shown opposite were designed as guest houses on a large estate near Saratoga Springs, N. Y. A view of twenty miles across country determined the location of the room in the rear. Steep roofs were adopted as a precaution against heavy snow, but the chance of freezing in winter prevented the use of leaders and gutters. Instead an eighteen inch curb, which runs around the foundation, takes care of the drip.

The two main bedrooms are located on the view. All the chambers can be closed off from the hall and still be entered from each other. An alcove provides space for a writing desk. Two bedrooms, bath and storage closet are on the top floor. Lewis E. Welsh was the architect.
Half-timber is one of the authentic styles for English cottage architecture. When it is honestly built, it lends a structure a desirable semblance of age and an interesting wall pattern. It has been effectively employed in the building of this small house at Greenwich, Ct.

A feature of one of the facades is the style in which the first floor stone wall is continued on to enclose the rear garden. A bay window built on a brick and stone base stands under the overhang of the second story. The roof exhibits an inspiring sweep of multi-colored slate.

This cottage was originally built for the occupancy of the owner whilst the large house on his estate was being erected. It now serves to house families of the gardener and chauffeur. It is so designed that the erection of simple partitions makes a comfortable two-family house. The plans as shown would require but little modification to make them suitable for a family of three or four. Ample service and porch space is provided. William F. Dominick, architect.
A small English house that could be readily adapted to the American countryside is the home of Robert Atkinson, architect, at Carshalton, Surrey. The walls are rough cast, washed a creamy white, broken by the leaded casements and relieved by the red brick chimney stacks. Thus the walls form a pleasant background to the garden. A flagstone walk runs in front of the house flanked on either side by flower beds.

By keeping the hall down to a minimum, a great sense of space is given the interior. Wide doors between the first floor rooms make it one large apartment.

The same economy of space is effected upstairs. There are four bedrooms, a nursery, and in characteristic English architectural fashion, a solitary bath.

For the residence of Miss N. M. Tallev, Terre Haute, Ind., a modified Georgian style was used, executed in brick and with white trim. The house is pleasantly set behind trees.

A typical balance is found in the plans of both upstairs and down. Upstairs are four chambers, two baths and a sleeping porch. Johnson, Miller & Miller were the architects.
EVERY garden has a healthy thirst. Its very existence depends upon moisture in abundance. The average garden can worry through the average season with what moisture it gets from occasional rainfalls, especially if there is frequent cultivation so that evaporation does not rob the soil too fast. In times of drought, however—and such times are inevitable in all but the most favored sections of the country—artificial watering must be resorted to in order to obtain anything like an average crop.

Irrigation, therefore, becomes crop insurance. Such insurance is worth while, but probably irrigation would not be much practiced in private gardens if it promised no more than that. In point of
Pipes laid underground and connected with concealed nozzles form an excellent system for lawns and open flower gardens. Courtesy John A. Brooks and Munn & Muns

fact it gives better vegetables and more of them, finer flowers and in greater numbers, a lawn that can be depended upon, and a longer season even in normal years.

Average crops are made better than the average by the use of water. The color and foliage of flowers no less than the flavor of vegetables are improved by it. There are plenty of statistics to prove that statement. But statistics are dry things at the best, and this is a wet article. Every garden maker who has made the experiment, though, knows that he can get far more celery, far better tomatoes and far more certain crops of cauliflower and Brussels sprouts if he has an ample supply of water at his command. He knows that growing quality lettuce in hot weather is almost impossible unless he can assuage its never-failing thirst. He has learned that plenty of water at transplanting time always makes for success, while reducing labor. He may not know, but it is a fact, that market gardeners often let the water run for hours on the ground where celery is to go, with results that are measured by dollars instead of dimes in the market.

The season is lengthened, because the use of water will ward off early fall frosts. Experience has shown this to be true. Garden makers equipped with an irrigation system are able to save their vegetables and flowers when their neighbors lacking this advantage lose them. In connection with a simple tile drainage system, which makes the garden ready for cultivation very early in the spring, an irrigation system adds several weeks to the length of time when vegetables can be cropped. One other point in this connection is worth noting. Vegetables which are kept growing rapidly have better flavor than those which grow slowly, and as a rule are much better able to resist the attacks of insect pests and fungous diseases.

Irrigation to the average person means a ditch by which water can be distributed through the fields. This is a primitive type and can (Continued on page 92)
T HE shingle does not stand still in these days of new fashions in building. It has a fascinating way with it, and bends and curves over roof and wall into a variety of new effects. It is sometimes colorful, often indestructible, and in shapes that take on the beauty most desired by architects and builders of imagination. There is not only a tile shingle today but a thatch shingle and metal and rubber shingles, and of composition shingles, usually fireproof, there is literally no end.

The older, more middle-aged shingles have already won their spurs in house-building—from the broad white pine, hand-rived variety down to the shingles with every rich tone of an autumn wood blended into a mellow, seductive surface. Among the composition shingles, the asbestos varietiesloom large in other themed, terraced woods and humbly picturesque surfaces. While the Spanish rose-color, hand-made tiles still seem the essential covering of certain types of Spanish and Italian models, we import the shining emerald green tiles from China for some of our great summer palaces, and there are home lovers who will not build an Italian house without Italian tiles, or a California bungalow without tiles from California, if possible from the roof of a disintegrated old Mission building.

But these specialized roofs are not in the main the things we are looking for. There is a perfect whirlwind of home building sweeping over this country and the great mass of people who have decided to own a home are people who have saved money to put into this investment, people who want houses from six thousand dollars up to forty thousand. This group of home owners are not looking for elaborate and fantastic covering for their houses. They want the best modern roofing, weather-proof, as economical as is consistent with good building, appropriate to their architecture and durable.

BECAUSE of this very widespread demand for home building, roofing, interesting and practical, is developing along as many lines as there are varying types of architecture. A great variety of metal and composition shingles seem to be having their innings this season, and there are new developments in asbestos, asphalt, rubber and wood. Some shingles are purchased in exactly the tone that they will carry for years to come. Others are known to weather into tints quite different from the original surface; bright orange copper, for instance, will weather a frosty green like a Roman patine; certain shades of green slate will weather yellow and brown; asbestos frequently mellows from bright shades to the tints of a November woodland. And all this is known and understood; in purchasing shingles, all their temperamental ways are explained to the buyer. He is taken into the confidence of the manufacturers these days, and so far as it is humanly in his power, the buyer is helped to understand all that the different roofing materials may accomplish, as well as their vagaries and lovely whimsicalities.

T HE copper shingle was until a year ago a type of metal roofing practically unknown. We had seen, to be sure, magnificent copper roofs of frosty green in China and Japan, some of them at least five centuries old. These Oriental countries prized their copper roofs, and even when a temple was torn down, the copper roofing was saved for a new building venture. In Egypt, too, and in Assyria copper roofs furnished immunity from heat and dampness. But the copper shingle—that is a new development, and one of the most practical and economical that building industry has accomplished in this country. These shingles may be obtained in the natural, vivid orange tone which will weather to rich variegated green; or they may be obtained in warm tones that make jewel-like roofs, suited in variety to almost every building material. For instance, there is a blue, like the turquoise from India, and a green that is the shade of a vivid hue in a peacock’s feather; there are olive greens and browns and yellow browns and brown reds. In fact, the whole gamut of red-brown tones that from brick to maple and oak are found in these copper shingles. And the color is not painted on, but inherent in the original surface. A velvety texture is given by the chemical treatment that also produces the color.

Until recently the laying of a copper roof was a costly operation, but since shingles have been substituted for the large copper sheets, the excessive cost of installation has been wiped out. It is well to remember that pure copper is practically indestructible, hence the initial cost is the only one. Also it is exceedingly light in weight, which means that the sub-roofing need not be so heavy nor so expensive as it is sometimes deemed essential. Of course, with the copper shingles all flashings and fittings must be of copper, including copper nails; sometimes, as in the case of the flashings about the chimney and along the ridges, the copper is left to weather until it finally achieves the frosty green so jewel-like. Or it may be treated to match any of the colors of the roof. As a matter of factody, has accomplished of copper flashings for every sort of roof is coming to be more and more regarded as a necessity in well-built houses.

The copper shingles are put in place over sheathing boards, which are laid tight without open joints. Under this, of course, is the customary coat of sheathing paper, which is a benefit to any roof. In assembling these shingles, they are interlocked in a manner which allows for the expansion and contraction of metal, yet they are weather-tight. The question of ventilation is also taken into consideration, as are moisture and wind.

Zinc shingles are another development of metal roofing which is encroaching on the interest of all thoughtful builders. Zinc, like copper, has been used successfully in the past in the form of large sheets, but it is only recently that the interesting silver-gray zinc shingles have been put upon the market, and the new pre-oxidized zinc shingles have much the effect of silver maple or pale gray slate. Of course, these shingles can also be painted, but with the fashion just now for so much silver color, most builders prefer the gray surface.

The zinc shingles are also interlocking and weather-tight, and to prevent sweating of the roof, each shingle is designed to form a ventilating space between it and the roofing board on which it is laid. The exposed surface of this shingle is a perfectly plain square, and the oxidation gives this surface a feeling of depth and beauty. Naturally, with the zinc roofing, zinc leaders, gutters, valleys, flashings, etc., are used, and the zinc spouting, which has been so widely employed in European countries for a hundred years, is now coming into fashion here. These zinc fittings are distinctly picturesque and have an ornamental value, especially where they come in contact with brick, stone, or wooden walls. Although zinc roof and fittings are very practical and easily installed, they are definitely economical. They are practical for public as well as domestic buildings.

A TAPERED shingle is one of the new developments in composition roofing. It is not only practical and durable, but years of scientific experiment have developed it into one of the most beautiful roofings now on the market. This shingle is made of pure asbestos fibre compressed with cement in water by hydraulic pressure, and colored with iron oxide. This process of compressing in water renders them color-fast, an objective greatly to be desired. They are also fireproof and weather-proof.

Because no two of these shingles are alike, a most attractive variation in a weathered effect is obtained for the finished roof. Not only is there irregularity of color, but the part of the shingle exposed is roughened so that the roof has the beauty of age from the start. These shingles are all tapered as are wooden shingles, and the edges are beveled. The color of the tapered shingle is rich and mellow, a warm and silvery gray and a sort of rosy terra cotta. A beautiful effect is gained by the combining of these tones. These roofs are particularly interesting on houses finished with pale gray cement and a black trim.

BEAUTY and permanence are the two qualities that every home builder is seeking in selecting a roof. For many years it has been possible to have either a beautiful roof or a durable one, but the asbestos shingles are (Continued on page 84)
MODERN MIXERS IN THE KITCHEN
The Electric and Hand Operated Rotary Devices Which Minimize Labor and Attain the Maximum of Results

ETHEL R. PEYSER

Are you a culinary rotarian? Or do you still beat it by hand?

The Kitchen Rotary Club is becoming a real factor in culinary economics. By means of rotary motion the mixer, the stoner, the beater, etc., and the combinations of these have come to relieve the back, arm and hand, and where electrically driven cause no waste of time.

To begin with, the electric rotaries are somewhat like and unlike patent medicine advertisements — alike because they claim to do many things, and unlike because they can and do fulfill all their claims.

For example, they beat eggs; mix bread, dough, mayonnaise; stir cake batter, frostings, dressings; whip cream; mash potatoes; grind nuts, spices and meat; drive (some) ice cream freezers; turn the food chopper. Some have grinding and buffing wheels for sharpening cutlery and polishing silver. In fact, they are companions not idly to be cast aside.

This will especially appeal to the housewife, because many a good mayonnaise has been wasted by inefficient mixings by the mixer being called away suddenly, etc. Then, too, many a mayonnaise is never born at all because the housewife or the cook “hasn’t the time today”. Where the mixer is electrically driven, time is added unto the menage and while the mayonnaise is forming the cook is performing elsewhere.

Egg beating, cream whipping, batter beating—all these take time. Now with the electric machine the home can revel in souffles and cake. It can buy coffee in the bean and grind it with no effort—here is a real epicurean saving. For coffee in the bean and grinding it at home save the volatile essences of the bean which give to perfect coffee the added aroma and full flavor. These machines grind cutlery and so can indirectly add finesse to a slice of meat.

As with mayonnaise mixing, these utilitarian investments take the guess-work out of cake, meringues, batters. Improper mixing is an immorality not easily cleansed from kitchens. Yet these instruments with perfection of mechanical agitation do the mixing with assurance and become real vice chasers.

Imagine! (all things being right) you can be sure that success will come to your cakes, sauces, breads, rolls, pies, cookies, doughnuts, puddings, etc. Remember that lumpy cream sauce? Well, no more of that. Your sauces and your mashed vegetables will be lumpless.

Removing doubt removes nerve strain in a kitchen—and maybe the cook without nerve strain will be affable and a comforting dweller in your halls.

Among the best machines is one so made as effectively to chop food and meat, grind coffee, slice vegetables and fruit, etc., etc., and has with its attachments a hot-water and ice container to be used as a “bath” if stirring must needs be done in a cold or hot medium. Soup strainer and colander connection, ice cream freezer attachment; a meat sheer (a great comfort and saving of meat) are other features. This machine has an effective motor and three speeds. You may have never felt the need of these types of workers, but then you never knew the use of the radiogram until you used it.

Don’t you hate to strain and persuade large quantities?

(Continued on page 88)
Suitable for a side table in the living room is this black glass flower bowl with a rim of white. 4½" high. $3.75

English pheasant china has a brilliant bird and flowers in rose and green, with a black and yellow border. Teapot $4.50, sugar bowl $2.50, creamer $1.65, jug $1.85, cup and saucer $1.02. Rattan tea tray, 20" across, $2.50

English pheasant china has a brilliant bird and flowers in rose and green, with a black and yellow border. Teapot $4.50, sugar bowl $2.50, creamer $1.65, jug $1.85, cup and saucer $1.02. Rattan tea tray, 20" across, $2.50

A flower painting done in the antique style is framed in black with a gold rim. It is 16" high and 13" wide. $12.95

Wrought iron standing flower baskets prove decorative both indoors and outside on the porch or terrace. This type, 36" high, is touched with gold. The basket is 5" high and 13" long. The price complete is $24

Salad plates to accompany the bowl shown opposite come in cream colored pottery, flowers in mauve, rose and orange, with a blue band on the border

One of the new salad sets consists of an octagonal bowl and six plates. The bowl, 4½" high and 9" across and the plates 6¼. The set is priced at $9.24

The music of ice in the pitcher is even more enjoyable when the pitcher has an unusual design. This one, 10½" high, is accompanied by six tumblers. $8.94

For the cottage table come an opaque yellow glass bowl and candlesticks to match trimmed with blue. Bowl, 8½" high, $2.74. Candlesticks, 9", $1.24 each

Iridescent pale green or yellow glass sherbet glass, 3½" high, comes reasonably at $3.90
July, 1922

Tie-back rosettes, reproduced from a Colonial design, in crystal, blue opal, amethyst or topaz.

These Colonial tie-back rosettes are 4 1/2" in diameter and are priced $4.50 the pair.

Italian pottery pieces, canary yellow, turquoise blue, oyster white and grayish blue. Bowl 4 1/2", candlesticks, 7 1/2". $8.75

A lawn pillow of brown or black leather has handle and a pocket for a book or magazine. 14" long and 13" wide, $8.50.

An English pheasant design dessert plate, 9" across, has a brilliant design in rose and soft green. $8.95 each.

A luncheon set, suitable for a country house breakfast or luncheon table, comes in natural colored linen with hand-drawn blue threads and wreaths of French knots in yellow, pink, blue and green. Cloth, 21" x 21", 6 doilies, 17" x 12", $8.50. Complete with six doilies, $10.75.

Among the early American reproductions enjoying a vogue today are the candlewick bedspreads. They are of unbleached muslin tufted in rose, French blue, gold, lavender and all cream color. 72" x 100", $7.94; 78" x 100", $8.44; 80" x 100", $8.84.

The country house can never have too many occasional tables. This octagonal design lends itself to a dozen uses. It comes in red lacquer, with figures in gold, black and blue. The top is 17" across, and the table stands 22" high. $13.50.

The articles on these pages may be purchased through the House & Garden Shopping Service, 19 West 44th St., New York City.

SEEN in the SHOPS
Happiness is a common yellow cherry plum suckered with pink. Chas. H. Totty.

Do not let the beans pink. C. H. II.

Close up to the rows before picking.

Funkias are among the relatively few hardy shrubs after the climblng of next year's shoots on the old woody material.

H and cultivation close up to the rows is necessary for hundred per cent crops.

Handfuls are among the relatively few hardy perennials that will flourish in shade. They are commonly known as day lilies, white or lilac according to the variety.

Artificial watering is essential at some time during every summer. It should not be resorted to except when necessary, but done thoroughly when the time comes.

To the lovely little house...
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If you have a difficult problem in curtaining, write to our Service Department about it. Without charge we will gladly send you our Bulletin.
When You Inherit a Brownstone House

(CoContinued from page 38)

In selecting your revolver remember that precision, security and reliability are absolutely essential. It is because they excel in those very qualities that Smith & Wesson revolvers have won the title "superior."

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Manufacturers of Superior Revolvers
Springfield, Massachusetts

Catalogue sent on request
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When You Inherit a Brownstone House

(CoContinued from page 45)

originally dark and dismal doorway. Small rugs adroitly placed to reduce light across the room, and open windows and French doors, which are so essential to a minimum of "unbusiness" produced by lack of proportion.

Following the usual arrangement of such houses, there is a reception room directly off the hall near the entrance door, with openings on two sides into the hall itself. Here again the most essential has been made of the existing floor plan. The chimney-piece once more recalls the Director’s taste, a massive, intricately carved, elaborately decorated panel of etched mirror glass with a framing of red lacquer and marbledized columns. A charming mantel garniture of old tiles adds a distinguished note to the walls. Here the walls are a lighter tone of green with moldings and wood trim to match, and form a charming background for the collection of fine old prints with black glass mats and frames of delicate gold molding.

Below stairs, the kitchen and laundry were due for sweeping changes. Since structural alterations were taboo, and a broad range of new ones, why not have the breakfast room at one end of the kitchen? Fortunately, the range and sink were already located at the end of the room furthest from the windows, leaving only the laundry tubes directly in view. The unattractive tubes were boarded in, to form an efficient service table. When needed, the bing lifted up, and below a storage space is found in shallow closets set in such a manner that they clear the sloping edges of the tubs. When the breakfast room is in use a wall paper screen shuts off a too intimate view of the range and sink. The painted gate-leg table and ladder-back chairs with rush seats have a gay background of red tile floor, clear yellow paint and smartly varnished wall paper. Casement curtains of checked gingham are tied back to reveal a glimpse of greenery in the tiny garden beyond.

Almost all the houses of the type of this one have to be quite thoroughly repainted or papered before they are even habitable, and the slight additional expenditure involved in this thorough transformation is really negligible when the results are so entirely satisfactory. Needless to say work of this sort requires the supervision of an experienced interior decorator, and represents a far more difficult problem for that individual to solve than any new house could offer.

The present delightfully livable quality is directly due to the skilful management of color to offset bad proportions, and the equally experienced arrangement of lighting to give the best possible effect. Wall brackets and lamps help in this artful conspiracy by throwing the far-up ceilings into shadow, and graceful, appropriate curtains please the eye before the fact that the windows are ugly in themselves.

Hidden Excellence

While this particular house offers a complete solution of what to do with a Mid-Victorian town house, there is much to be learned from it which can be applied to all similarly similar dwellings of the period, the general arrangement of architectural detail being much the same in all of them. Often underlining the distressing gimcrack ornament a genuinely graceful old transom will be found, and in almost every case the construction is strong and honest beneath the tired and tawdry ornament.

Before utterly condemning these older houses to destruction or complete reconstruction, strip off the gimcracks and there is always the chance of being well repaid for the effort. No long ago country houses inherited with all the trappings of Mid-Victorian imitation brown sandstone and black iron work, developed under the hand of its present owner into a charming villa of the type familiar to travelers in Northern Italy. Of course, exterior changes had to be included in this transformation, for a country house has no moral support from nearby neighbors in its unpleasant brownstone ugliness. The emaciated columns of the verandah, however, proved stronger than they looked, and on this framing it was a simple matter to develop a charming Italian loggia with graceful arches—the material, concrete toned to a creamy yellow color. Here again paint helped to work wonders, once distressing and meaningless trimmings had been eliminated both within and without, and the formal original spaces made a most gracious background for a collection of really fine Italian furniture. A few deft touches from a good landscape gardener brought the original setting into line with this Italian villa, and again there was advantage of its good points in sincere workmanship, hardwood trims (however hideous in existing detail) and develop a new setting for these worthwhile features, totally in keeping with the better trained taste of our own time.
GRAFLEX

Graflex advantages, essential for swift action photography, are valuable also for less sensational tasks.

Sharp focus and pleasing pictorial arrangement are always facilitated by the big reflected image, seen right side up in the focusing hood. And whether the speed is $\frac{1}{10}$ or $\frac{1}{1,000}$ of a second, the Graflex focal plane shutter passes so much light that proper exposure is easy, especially with the co-operation of a superfine lens such as the Kodak Anastigmat f.4.5.

Graflex catalog by mail or at your dealer’s.

Eastman Kodak Company

Folmer & Schwing Department

Rochester, N.Y.
In Praise of the Little House

(Continued from page 53)

The dining room table which can be enlarged by adding console ends seems to give good service. It is an excellent way of making the room more handsome. On ordinary occasions these ends serve as consoles.

The dining room may have deep ivory paneled walls, tete de negre carvings, with little brass wire grill doors, cases, with little brass wire grill doors, a lovely Italian credenza or a fine old red lacquer secretaire, and, of course, lovely mirrors, pictures and other accessories.

Elegance in the Small House

(Continued from page 53)

The essential furniture in an elegantly decorated small house is a problem that more than repays close study.

Other pieces are chosen because they are essential; others as accessories. They should be chosen for their beauty as well as their utility. The master thinks that, as his income increases he must "show the world" that he is a powerful magician. If he could wear a gold crown, he would; but the only way he can exhibit his wealth is to build a larger house; and so it is good-bye to the peace of the little place, a long fare­well to its roots and its departure. His train will run down an ancient tree, and he knows that he has no love of tradition and dreams, no feeling for the old sacrifices. He will place a star out of the heavens, if he could; but that God won’t.

I have never understood that desire in most people to turn something altogether and lovely into something huge and unwieldy. “We must add a wing to the east side of the house,” the master proclaims some morning at breakfast. “What! and tear down those beautiful crimson ramblers! the Lady Behind the Coffee-Urn cries. “And then there’s that maple—it can’t grow up in the middle of the new room!” she adds. But the master looks stern. He has made up his mind. “We can chop it down then,” he says with a great and terrible definiteness. And his word is law. “If we are to entertain more this summer, we shall need the extra space,” he goes on, loving the sound of his own voice, and rather glorying in the conversation or at the other end of the table.

Well, I would rather “entertain” less, do away with useless and needless week-ends, feeling comfortable with the few old and choice friends who used to love to visit him, than to go in for a bunch of Spring of carpenters, architects and builders. But the master thinks that, as his income increases he must "show the world that he is a powerful mag­nate. If he could wear a gold crown, he

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Johnson’s Prepared Wax comes in three convenient forms—Paste Wax for polishing floors and linoleum—Liquid Wax, the dust-proof polish for furniture, woodwork and automobiles—Powdered Wax makes perfect dancing floors.

Johnson’s Prepared Wax cleans, polishes, preserves and protects all in one operation. It does not catch dust and lint—takes all the drudgery of dusting—and gives an air of immaculate cleanliness.

PREPARED WAX

for the least money. Our book will help you realize that

vogue today. An English lawn is loveable because the seeds were planted hundreds of years ago, and then the plasters sat down and waited for the fulfillment of their dream.

We must have background if we are to have any enduring beauty; and the furniture, woodwork, floors and linoleum in perfect condition. We will gladly send it free and postpaid for the name of one of the best painters in your locality. Fill out and mail this coupon.

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E VERY room needs the brightening touch of John­son’s Prepared Wax. It will rejuvenate your furniture, woodwork, floors and linoleum. Johnson’s Wax imparts an artistic lustre of great beauty and durability. It gives a hard, dry, velvety polish which will not collect dust or show finger prints.

J O H N S O N ’ S

Paste—Liquid—Powdered

PREPARED WAX

In Praise of the Little House

(Continued from page 56)

But business man demands an over-uphol­stered lounge! But there are those who will "addition," for the sake of "looks"; but certainly I shall not build a dreadful "addition" for the sake of "looks", but some fresh paint will do no harm, and my Old Lady House will probably grow some again for a little brilliant youngness of a girl; but al­ways she will seem, I hope, a bit tired, as she passes from the room."

"Am I too busy an appearance." It explains how certain things in the living room should be chosen—beautiful—because they are essential; others as accessories. They should be chosen for their beauty as well as their utility, and their beauty is chosen because they are lovely in themselves and add eleg­ance and richness to the room; such as a pair of small, fine Sheraton book­cases, with little brass wire grill doors, or a lovely Italian credenza or a fine old red lacquer secretaire, and, of course, lovely mirrors, pictures and other acces­sories.

The dining room table which can be enlarged by adding console ends seems to give good service. It is an excellent way of making the room more handsome. On ordinary occasions these ends serve as consoles.

The dining room may have deep ivory paneled walls, tete de negre carvings, with little brass wire grill doors, cases, with little brass wire grill doors, a lovely Italian credenza or a fine old red lacquer secretaire, and, of course, lovely mirrors, pictures and other accessories.

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The confidence a woman has in her Cadillac is reflected in her deep peace of mind.

She approaches her Cadillac each day absolutely certain that it is the same ready and reliable Cadillac it was the day before. As one owner happily phrases it, this is the car that one can think in and not about.

After all, isn't this perfect reliance of women in the Cadillac the highest compliment that can be paid to any motor car? The beauty, the comfort, the unparalleled gliding-smoothness of the Cadillac will ever rank high in the appreciation of the owner.

But we believe these traits are surpassed in her esteem, and their own charm heightened by her car's sure reliability.

The Cadillac owner achieves the highest form of motoring enjoyment because she is enabled to forget utterly about the mechanism of her car.

In the Type 61, this dependability is so pronounced that now even more than ever the Cadillac is the car of peace of mind.
The Luxury of built in fixtures

BUILT-IN CHINA bathroom accessories not only add wonderfully to the convenience of a bathroom but provide a distinct note of refinement.

When you build, plan to have Fairfacts accessories installed in your bathroom walls. They are made of china. Consequently they are easily kept clean, do not stain or become discolored and will not develop surface cracks.

We shall be pleased to send you our booklet on request.

THE FAIRFACTS COMPANY, Inc.
Manufacturers
234 West 14th Street, New York City

Elegance in the Small House
(Continued from page 76)

Dining rooms are apt to be a little sparsely furnished, since china cabinets are no longer used. The serving table and buffet are generally put to such utilitarian purposes that they have little or no decorative value in the room. Semi-circular table ends can be made quite a feature of elegance with handsome vases or some objet d'art.

One word about breakfast rooms; the day has passed when the ladder-back chair and drop-leaf table were all that were necessary. One wants to make this room an exquisite little place, an epigram in decoration. Put on the walls a rich red and gray Directoire paper with a heavy glaze. The furniture can be bronze and black, of fine classical lines. Directoire wrought-iron stands holding ferns can be placed at balanced points. Curtains may be of dull, thin velvet flecked with copper.

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In a sunny spot on a flat velvet cushion, the color of Bermuda blue water, set a goldfish bowl; the blue of the velvet will show through, with the fish against it. This little room can serve as a card room in the evenings, being equally suitable to begin and end one's day in.

In bedrooms nothing is more lovely than linen over-curtains to the floor, a wide, shaped valance and draw curtains of a warm, glowing taffeta. This gives a much softer and more elegant appearance to the windows than drawing the linen over-curtains. The same combination can be used for a head canvas. Red covers of the taffeta should be elaborately enough made about the bottom to give them a pleasant hang. In here, as in the living room, there should be a few pieces of antique furniture just to give the room a rich character and a feminine touch. For example, an inlaid pearwood sewing table, a French bergere and a high narrow commode to hold trifles. These should be picked up after the essential care is taken care of.

Elegance in color is produced by fine blending of colors. Do not be too meager with the variety of colors; for example, in a rose and gray room introduce soft yellow, a little violet or some clear, cool blue, for if one keep only to rose and gray, the color harmony will be very meager and this Elegance is never thin, just as it is never lavish.

The following specifications for the furniture and color schemes in four
(Continued on page 80)
Year after year the quality of Goodyear Tires has been going up and up.

Veteran users say Goodyear Tires today give more than twice the mileage they did ten years ago.

In the meantime, there has been no slackening in our effort to push Goodyear prices down.

Today these prices are at bedrock—*the lowest they have ever been*.

They represent an average decrease since 1910 of more than 60 per cent.

Remember—Goodyear quality is at its peak.

Remember—Goodyear prices are at bedrock.

To the thinking motorist this means only one thing.

Now is the time to buy.
**DECORATIVE LIGHTING FITMENTS**

For the Breakfast Room

RIDDLE Fitments permit all the lighting details to be carried out in harmony. For the breakfast room, for instance, the ceiling fitment, wall brackets and lamp illustrated are all in keeping in the Estafado Decoration characteristic of Riddle Fitments. Living-room, dining-room, hall, in fact an entire residential installation, may similarly be developed on harmonious lines.

Riddle Fitments may be seen at many of the leading dealers in lighting fixtures and accessories. The name of nearest dealer will gladly be sent on request.

THE EDWARD N. RIDDLE COMPANY

Makers of lighting fixtures since 1892

TOLEDO, OHIO

Elegance in the Small House

(Continued from page 78)

rooms may serve as examples in planning the decoration of a small house, furnished with discriminating elegance.

**DINING ROOM**

Walls: Deep ivory paneled, woodwork to match.

Floor: Tete-de-negre rug.

**Fixtures:** Dull gilt and crystal.

**Curtains:** Champagne gauze under-curtains, Over-curtains of antique gold damask.

**Furniture:** Three-piece dining table in walnut with dull gold decorations. Top of table marbleized. Long buffet of wrought iron with black walnut top. 6 walnut side chairs, 2 walnut arm chairs. Seats of chairs covered in antique satin striped in blue and gold.

**LIVING ROOM**

Walls: Paneled and painted taupe and drizzled with grey.

Woodwork: Painted to match walls.

Floor: Neutral colored seamless chenille.

**Curtains:** Under-curtains of taupe silk gauze. Over-curtains of changeable color including taupe silk damask.

**Fixtures:** Sconces of walnut and gold with colored glass insert.

**Furniture:** 2 Kidney sofas covered in tete-de-negre uncut velvet. 4 pillows for three of vari-colored taffetas. 1 over-upholstered easy chair in handsome linen, in an architectural pattern. 1 high-backed walnut wing chair in old tapestry or needlepoint. 1 low coffee table. 1 small smoking stand. 1 long wall chest of fine lines. 1 walnut and gold arm chair with seat and back in gunmetal taffeta brocaded in dull red. 1 painted and crystal lamp. 1 overmantle mirror. 2 small painted chairs with taffeta seats. Owner's piano.

If You Are Going to Build

(Continued from page 55)

for the lintel could not easily be found. a great oak plank was used, and here the beginning of the decorating of the fireplace took place in the carving of the lintel. Naturally the recessing of fireplaces brought about variations of constructions, those splendidly paneled walls that beetroo - the Stuart's. In the time of Elizabeth the gorgeous effects of decoration grew almost tawdry and without purpose. Henry VIII is blamed not a little for this over elaboration in decoration, for he imported Italian artists with their spirit of Rococo decoration, and some of the great beauty of the Gothic time with its exquisite fireplace arch disappeared.

Queen Elizabeth followed in the footsteps of her father and insisted on importing craftsmen for house decoration. Her preference, however, was for the Flemish and German artists. One of the result was types of decoration that would have been put to shame by the village smith. When wood became scarce in Elizabeth's time, coal was burned in "cradles of iron" which must, of course, been the movable braziers.

Fortunately for the grace and ornament of many of our old houses, the English workmen began doing some very fine things along the first of the 17th Century. Not only the workmen of the royal family had been importing. And the great the took their place in those splendidly paneled walls that became famous through history. Sir Christopher Wren followed, with Grilling's carvings "which gave to wood the loose and airy lightness of flowers". Even Chippendale designed iron grates to fit into his schemes of decoration, and the Adam Brothers made some delicate white of cast iron, which rather astonishes us. As the court beauties of these days were to have mirrors and sofas, the Essay piece so beautiful that it is in the

**Decoration of England by the Normans in the 11th Century, but later when the Norman Keeps came into existence with the more developed fireplace with the use of brick or tile for lining the chimney. Ornamentation was most magnificently realized in the late Gothic and Tudor times especially, in the reign of James I. The most elaborate carving came in the Tudor period and was noticeable in the reign of the Stuart's. In the time of Elizabeth the gorgeous effects of decoration grew almost tawdry and without purpose. Henry VIII is blamed not a little for this over elaboration in decoration, for he imported Italian artists with their spirit of Rococo decoration, and some of the great beauty of the Gothic time with its exquisite fireplace arch disappeared.

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**Owner's Bedroom**

Walls: Pale mauve with moldings picked out in orchid.

**Fixtures:** Mirror sconces with mauve crystals.

Floor: Mauve wilton carpet covering room entirely.

Oriental Rugs

Endowed with a keen sense of color combination and graceful depiction of floral and animal forms, the rug weaver of the East expresses, in his simple way, a practical beauty entirely individual.

Environment, in addition to an inherent perception, has resulted in designs and color effects of an artistic beauty peculiar to a natural and untutored art.

While exacting no premium in their cost, these interesting Oriental Rugs serve not alone a purpose of utility but add a distinctive charm to the home.

We will be pleased to furnish details of those rugs we have that may be particularly suitable to your requirements.

W. & J. SLOANE
FIFTH AVENUE and 47th STREET, NEW YORK
WASHINGTON SAN FRANCISCO
Roofs of Permanent Charm from Old Virginia

The latest and most artistic surfacing for composition shingles is

Flint-Arrow Blue Slate

For generations this distinctive slate has been the favorite roofing for the fine old colonial mansions of the South. The soft, charming effect of these old slate roofs can now be obtained by using shingles surfaced with

Flint-Arrow Blue Slate

A quiet silver-blue tone—everlasting and unchanging—nature’s own shade as slate is mined from earth. Flint-Arrow Blue Slate shingles lend dignity and old time charm to your home.

Many Manufacturers supply shingles of Flint-Arrow Blue Slate

ASK YOUR DEALER, OR WRITE US FOR SAMPLES

Blue Ridge Slate Corporation
ESMONT, VIRGINIA

If You Are Going to Build

(Continued from page 80)

British Museum today, and that Wedgwood, the famous potter, made panels for the chimney breasts of his day. Here in America we have created one type of fireplace, the Colonial, with its many variations and also with its debt to the classic period decoration in England. Of course, in our very simple early settler homes, we have the splendid old brick fireplaces with the huge hearth and seats inside the chimney and beautiful wrought iron fittings, and vast oak lintel, covered with pewter or Lowestoft or the memorial china celebrating historical events. Today we build so many period houses with which our fireplaces must be in harmony; Tudor, French, Italian with its beautiful fluted pillars, Colonial; but few people demand creative work in the planning of their fireplaces, but few expect anything more than a modified “period” reproduction.

But we do demand well built chimneys today, capacious, permanent, and practical. A builder is more or less judged by the fact that his “chimney will draw”. Apparently there is no dependable recipe for this, so much depends upon the location of the house, the force and directions of the wind, the size of the fireplace in relation to the chimney and the actual construction of the interior of the chimney. The architect and builder have got to study it afresh for all the conditions that will make for a good fireplace and chimney. The material construction alone is not enough. Of course today we often ask for decorative hoods and we plan our chimneys with controlling dampers, with revolving caps on the turrets; but the responsibility still dwells with the builder. He must work a fresh miracle with every chimney he builds, and as a rule he does.

Cement has entered very largely in the building of picturesque fireplaces today but the stone house still demands the stone fireplace, and a richer architectural detail than the modern vignetted brick fireplace it would be hard to imagine.

(Continued on page 84)
Isn't this feeling about tires pretty universal

Most car-owners intend to have a car the rest of their lives. Economical operation is getting more and more fashionable.

How many men do you know who won't expect tires to do their share of the saving?

This is the year for tire merchants to study their customers closely.

The makers of U. S. Royal Cords have recently stated what is the biggest opportunity to serve in the tire business.

U. S. Royal Cords cannot take care of all the people who want the upward quality in tires.

Nor do they claim a monopoly of all good tire making methods.

It is the things they refuse to leave undone that make U. S. Royal Cords the measure of all automobile tires.

Not only what is put in but what is never left out—that reveals the Royal Cord practical ideal.

So Royal Cord makers feel free to say again what they have said before—

Let us compete for higher and higher quality.

For more and more public confidence.

* * *

So Royal Cord makers feel free to say again what they have said before—

Let us compete for higher and higher quality.

For more and more public confidence.

The makers of United States Tires urge upon everybody—manufacturer and dealer alike—a new kind of competition. Let us compete for more and more public confidence. Let us compete for higher and higher quality. Let us compete for still more dependable public service.

United States Tires are Good Tires

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U. S. Royal Cord Tires

United States Rubber Company

Fifty-three Factories The Oldest and Largest Rubber Organization in the World Two hundred and thirty-five Branches
A Better Bathroom at Moderate Cost

No longer is the built-in bath confined only to the very wealthy home. The Mott "Eclipso" Enameled Iron Bath brings real luxury within the reach of the average home-builder. The unusual beauty in design and finish of the Mott "Eclipso" recommends it to many who are not especially interested in its economy. It is built for reccess as shown, or for corner, as desired, either type being admirably suited for use with shower.

"Every Bath a Showerer"

The same high quality and moderate prices that characterize the Mott "Eclipso" Bath are equally evident in all Mott Bathroom Equipment.

Send for our Bathroom Book, illustrated in color. It offers many helpful suggestions. Address Department A.

The J. L. MOTT IRON WORKS, Trenton, N. J.
New York, Fifth Avenue and Seventeenth Street
Branch Offices and Showrooms

If You Are Going to Build

(Continued from page 62)

now helping us to secure a roof that is fireproof and waterproof, that is graceful, rich, and appropriate to a variety of building material, and have been intimately associated with American architecture back to the days of our most interesting and original Colonial architecture. In those days, in the main, there was but one kind of shingle used, the picturesque, wooden, hand-dressed design. The advent of asbestos shingles has brought about a revolution in roof making. First, in color they are deep red, warm brown, gray, or a combination of browns. These shades brought together in one roof harmonizes with almost any color that may be used on the walls of a house, and with both winter and summer landscape. Because of a quaint picturesqueness, they seem in turn to suit the Dutch Colonial, the adapted Elizabethan, the Gothic, the Norman and even the reticent dignity of the French chateau.

They are very simple in construction, made of asbestos rock fibre and portland cement, composed under a hydraulic pressure. Because of their tough base and resilient structure, they are unaffected by time or the elements. They are quickly laid up and are practically indestructible. These shingles can be laid up with either the hexagonal or honeycomb method and the sub-roses are the same as prepared for other damage. Only 2000 of these can be consumed effectively by these asbestos shingles, making a roof that will endure from 50 to 100 years, and the house lasts. Asbestos shingles are fireproof and unalterable; do not readily crack or exfoliate when exposed to fire. Even in the snow it would drive under them in winter, than under the rays of the mid-day sun and freeze as night comes on, it would not in any manner cause deterioration, as they are sufficiently elastic to prevent any cracking or splitting up to the nail hole under these mild circumstances.

On account of the light weight of these asbestos shingles, a sub-structure can be built up with much less expense and time. Thus a very heavy sun is saved in building construction.

Thatch Roofing

The thatch roof has been one of the most picturesque features of domestic architecture for centuries throughout Europe, and in the days of the manorial buildings, the thatch close together, the case in our American suburbs and villages, the old red thatch roof would be found lying around as well as damp, and very unstable in fierce winds. Yet the beauty of the thatch roof was something that picturesquely living American public would not easily forego; so with the ingenuity for which we have always admired, a thatch shingle was invented which gives us much of the beautiful old line, soft color and mellow surface of the old rye thatch. By an ingenious method of sawing the shingle bolts in special thatch patterns, and with printed instructions and working drawings, the average good workman can lay a modern thatch roof so successfully that this type of roof is being adopted by some of the most beautiful American architects. These shingles are laid out up the horizontal, in long irregular waves, varying the slight projection of every course from 1" to 5". Part of the artistic effect in the modern thatch roof is gained by the fact that no sharp angles or corners on any part of the roof. The eaves, ridges, valleys, etc., are all rounded and the shingles are bent lengthwise and crosswise as the form of the roof may require. In order to gain the softness of the weathered, old, rye thatch, the color of the roof should not be uniform, so three shades of thatch shingles have been created; when these are laid up together, a sense of rich texture is given with interesting individuality.

Shingle Thatch

The firm that has done so much for picturesque domestic architecture in the invention of the thatch shingle roof has devised a great variety of thatch patterns, and wooden creosote shingles, in shapes, colors and sizes that are practicable for tile roofs, and the fact that they are quickly laid up and are practically indestructible. These shingles are fireproof, waterproof, that is grace

(Continued on page 68)
The owners of the Wills Sainte Claire are the men and women who can afford any kind of motor car. They have driven motor cars of European and American design. They know motor cars. In the Wills Sainte Claire these men and women are finding a new thrill, a new security and a new utility in motoring.

They recognized in the Wills Sainte Claire a new standard of motoring made possible by advanced engineering—not only a more beautiful motor car, but a lighter, stronger, safer car—a car vastly simpler, easier and finer for these men and women to drive.

Upon request we shall be glad to mail you a new book—"Fourteen Unseen Things in the Wills Sainte Claire."

C. H. WILLS & COMPANY, Marysville, Michigan

WILLS SAINTE CLAIRE

Motor Cars

© C. H. W. Co.
Why a morning shower gives you a two hour start on the day

This applies especially to a cold shower. The clean, sparkling spray strikes the skin and contracts the surface blood vessels. This drives the blood momentarily toward the heart. Aroused to greater activity the heart drives the blood back again with still greater force filling even the tiniest blood vessel to its utmost capacity, stimulating and invigorating the entire system — and then the water runs off. Besides being delightfully refreshed you are actually clean.

The Speakman Shower shown in the illustration is the H-952; ideal in connection with the Deshler Bath fixture (the three handles) for either built-in corner or recess tub; has Mixometer and Anyforce Shower Head which put the shower’s force and temperature under the instant control of the bather. With this and many other types of Speakman Showers you can easily bathe without wetting your hair.

SPEAKMAN COMPANY
WILMINGTON, DELAWARE

The New Shingles

with hip starters, ridge and terminal all somewhat after the old Spanish fashion and a French tile shingle with the inverted tile, also a close shingle roof of tile, and other varieties which with their appropriate fittings give the unusual roof. The installation of these roofs is a matter, of course, for an expert builder. Fortunately, today, every detail for the laying up of roofing tiles, whether of the French, Spanish, Mission or Roman variety, can be had from the manufacturers who have made a study of these attractive roofings and who instruct builders in the method of construction which will bring about the most interesting and permanent results.

A thatch of stone is perhaps one of the most curiously interesting new roofings today, that is, it is new so far as the use of stone in which the dust out of their fields, were split and broken up, and used for roofs, fastened down to their old hewn oak rafters with heavy oak pegs. But it is only within a comparatively brief time that we have thought of stone roofs for domestic architecture in this country. It seems that scattered throughout certain parts of New England are some of the finest roofing slate deposits in the world. The quality, texture and coloring of this slate varies in different sections, in fact from quarry to quarry. This gives an individuality and variation in the roof that could easily have come from weathering half a century. The making of these stone thatches into a desirable, almost livable roof, is not only the result of breaking up stone into minute sizes; it is also the skillful making of a huge mosaic into which various shapes, sizes, colors, density of slate are brought together.

The sub-roof for the stone thatch is very simple; rafters are covered with sheathing boards in which turn are covered with heavy felting, and then the stone, which will endure for limitless time.

Composition Roofing

Composition roofing is a field of such wide activity that to begin to do justice to it would not only take an entire article in House & Garden, but an entire issue of the magazine, and even then some practical permanent and interesting roof covering would doubtless be left out.

One of the very best of these practical modern roofings is the well known and almost household felt which comes in both shingles and rolls, in interesting shades of red and green. These are thoroughly impregnated with a waterproofing material, then coated on one side with genuine crumpled slate. Sometimes these wool slate shingles come four on a strip, and instead of having square corners, each shingle is octagonal. These four-in-one shingles save much labor cost, also time in laying the roof. That they are fire resistant and weatherproof we do not need to add.

A roll composition “shingle” is one of the most practical of economical roofings. It comes in red and green, and can be put on old wooden shingles which have commenced to leak. It is the ideal roofing for a modest home, and has much the effect of a flat tile, while it is most inexpensive to lay.

An asphalt shingle which is designed in a twin shape for the speedup of laying is a very practical fireproofing type. It comes in red and green slate surface and if laid according to directions will protect every point on the roof. It can also be used over old wooden shingles, eliminating labor, time and extra cost. There is also a composition roofing with a mineral surface which is unaffected by extreme heat, cold or dampness. This particular roofing can be put on by unskilled labor and is most economical in the long service it renders. It is not only used on the modest home and all kinds of farm buildings, but also on commercial buildings, summer camps, and bungalows can be built of it quickly and economically, using it for side walls, as well as the roof. It comes in rolls and is strong enough to stand any kind of wear and tear and is good looking because of its mineral surface.

Using Slate

Some of the most interesting slate roofs today are reproductions of the ancient slate roofs, for slate was used centuries ago.

A rare variety of beautiful slates are found in various parts of America today — deep grays of the Pennsylvania quarries, rich red from New York State, black and gray from Vermont and sea green from Western Vermont. Nothing could be more durable than these modern slate roofs. The texture is rough and as picturesque as the old Cotswold slate.

For flat roof purposes, slate possesses several leading advantages. It eliminates the clogging of leaders and drains as from loose gravel or slag. Being a light surface it seals in the volatile matter of the asphalt thus making permanent its waterproofing qualities. Snow can be easily-shovelled off. And if such a roof is automatically cleaned by every rainstorm or can be swept or scrubbed clean if necessary. Rain water from the slate roof is clean and potable. The flat slate roof can be made of one of the hardest woods, storage, clothes yard, etc., without damage of any sort. It can also be trucked over. Its permanent surface never becomes a fire hazard.

Dignified and artistic treatment is of manifest importance in handling slate. With its 900-year ancestry, slate should naturally avoid fads. Its range includes both period and individual adaptations. In standard grades, slate is adapted to the most modest of structures — even cheap speculative work, if investment counts.

The old European custom of covering buildings with slate was always to be picturesque, as picturesque as the old Cotswold thatches into a desirable, almost lovable roof. Today, however, the old stone slates are brought together.

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The Role of Tin

Tin of the best quality finds a practical place among the sought after modern roofs. It is equally serviceable for hip or flat roof and has the advantage of being economical as well as interesting. Most of us do not know that the roofing tin has been on the market for over a hundred years for public building as well as houses, and is unquestionably related to other important facts, namely, that it is fireproof as well as dam-proof; that it is light and portable; that it actually diverts lightning from its destructive path.

To accomplish such benefited ends, a tin roof, of course, should be put up with locked and secured corners, and when so much is expected of a tin roof,
It’s present vogue at Newport and other smart American watering places, rivaling its wide use by fair Parisiennes at Deauville and Ostend, proves that good taste is the same the world over.

Talcum *™!
tin, .50
glass, .75

Extract • $1.50, $2.50

Lip Stick .50

Toilet Water . . $4.00
Stick . . . . $1.75
Brilliantine, solid . . $1.00
Rouge . . . . $1.00
Poudre Compact . . $1.00
Bath Salts . . . . $1.25
Toilet Set, 4pcs . . $5.00
Boudoir Patties . . $3.50

La Bohème

PARIS VIVAUDOU NEW YORK
Redwood Special Sawn Shingles

For residences of the better class, these new style "Seafarth" shingles give that appearance of wide clapboards which is a pleasing note in the design of many of the newer city and suburban homes in the Middle West and in the East.

These new Redwood shingles may be had 24 inches or 26 inches long, as desired. Both sizes are $1.50 inches wide and 7/16-inch thick at the butt. Laid 13 inches to the inch, they are made to order in the length desired and can be had in any grade.

Gardens In Old Foundation Walls

(Continued from page 57)

removed. These old walls stood for years in the shade and became overgrown with moss and creepers; an ideal location for a sunken fern and shade plant sanctuary. In making the changes, two of the outside walls were taken down and rough stone steps laid through one of the remaining foundations to make an entrance. The stones were carefully cut and removed, and the floor of the garden covered with a thick layer of wood shavings and moss. The result was a most charming place. The strain is gone from straining the ferns, violets, arbutus, mountain laurel—in short almost all of the plants found naturally growing in deep rich leaf mold. Where you have the lime, it can be overcome only by removing the old soil for a depth of at least 15" and replacing with new wood soil and peat. The best results are to be obtained, if you must have a yearly mulch of leaves. If it is not possible or desirable to make this change in soil, there are some beautiful plants which thrive in a lime condition and are doing well in the modern houses built in this area. The beater itself here has a magisterial and honorable Dover type, so you see it is not so foreign to your ken. The thousand revolutions is all you can effect in a minute by hand. This machine goes 2000 revolutions in from one to five minutes, easy, fast, and mayonnaise can be accomplished. Full speed for heavy mixtures, half speed for lighter, a gram of cream is perpetrated in less than five minutes. A gallon of oil in sauce; mayonnaise dressing takes but ten minutes to be used up.

The little angel weighs but 2 1/2 pounds, and its lightness is one of its charms. All these machines should be easily attached to wall lighting sockets. They must be easily cleaned. These machines must be protected from you and food stuffs and you must be protected from them.

The hand-turned cake and bread mixers are better than mixing by hand and spoon—but if possible, the electrically driven mixers which come in many styles and prices will give you more than comfort and will outlast a cook. The hand-turned stools and grinders are very efficient, too, but not the Utopian machines that electrically driven mixers have.

These machines are Utopian sorters, Actuating for food and helping the Kitchen Workers of the World.
The Luxury of Electric Refrigeration
—at less than the cost of ice

FRIGIDAIRE will bring to your home a new sense of luxury. It satisfies a fine instinct in living—the love for nicety and cleanliness in kitchen habits.

Without care or attention, Frigidaire preserves your food in a cold, dry, circulating air of unvarying temperature, 10 degrees colder than is possible with ice.

Fruit comes to your table perfectly chilled, vegetables have the delightful freshness that is customarily associated with only the finest hotel service.

Dainty ices, creams and frozen puddings are easily made. There is a special compartment to freeze them—and also to make sparkling, crystal-clear cubes of ice from your favorite drinking water, just the right size for a glass.

Frigidaire eliminates the uncertainty of ice delivery. It is entirely automatic, is easily installed and is operated from any electric light current.

Built as a single, self-contained unit, developed by the engineers of the General Motors Corporation, Frigidaire is absolutely dependable.

And with all its advantages, Frigidaire will cost you less to operate than you now pay for ice.

Frigidaire is a year-round utility, serving every day in the year. It is most used and most appreciated of all modern conveniences.

A copy of the Frigidaire booklet will be sent on request, together with the name of our local distributor in whose display room you can now see Frigidaire in operation.

DELCO-LIGHT COMPANY, Dept. HG-8, Dayton, Ohio

Frigidaire
THE ELECTRIC REFRIGERATOR FOR MODERN HOMES
Gardens in Old Foundation Walls

(Continued from page 88)

ground overlooking the farm buildings and the meadows and fields converted into a lawn, a beautiful terraced garden was built near the house and shade trees, ornamental evergreens and shrubs were planted. With the character of the ground so completely changed, the transformation of the barnyard into a formal outdoor pool with flowers and ornamental evergreens does not seem so out of place.

The barn was torn down shortly after the landscape changes were made, the foundations and the partition walls to the second floor remaining. The accompanying plan shows these walls and also shows the parts which were removed and the additions necessary to make a suitable enclosure for the swimming pool.

The building, according to the usual custom was built on the southern slope of the house. This plan faces the sun and was protected from the cold north and west winds. This wall now forms the northern boundary for the pool enclosure, and if you will glance at the plan you will see how the space within the enclosure is laid out. The base largely consists of evergreens next to the walls bordered with hardy perennials; then the grass panel and a walk of random-size stones set in the sod around the pool.

Above the north wall is a platform, all that is left of the old "barn bridge" which as usual planned with the old barns made it possible to drive wagons and farm implements into the second floor of the building, the natural grade of the hill at the north being about level with the second floor of the building. This high platform at the back of the wall is an ideal location for a tea house or pergola overlooking the swimming pool and a view of the lovely hills and valleys beyond it to the south.

The changes in the masonry had to be made carefully. The original walls were built of field stone, random sizes and shapes, and held together with lime mortar. As a precaution, the walls were re-pointed with cement morter, the joints being left rough or "raked".

All the suitable stone from the old parts, and the red bricks which were removed was saved and used for building the new parts of the wall and for

You Both Love to
Linger

a moment on your own Cypress door-step to enjoy your own Cypress entrance-hood and those delightful Cypress trellises—and back of your happy pride is the great satisfaction of knowing that your investment is a solid asset, because with "the 'Wood Eternal' all over the place" you're pretty well insured against the repair bill bugaboo. It's a very comfortable feeling. It pays to insist on genuine Tidewater Cypress, the true "Wood Eternal." Ask the lumberman to show you the Cypress trade-mark arrow (shown below) on every board or bundle.

Vol. 28 is the Trevil & Arbor Book. 68 pages. 23 pictures. 23 working plans with specifications. 2 valuable Vine Charts. FREE on request. Write. (Also ask for Vol. 41, a surprise book.)

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Instit on TRADE-MARKED Cypress at your local lumber dealer. If he hasn't it, let us know promptly and we will see that you are supplied.

The mistake is often made in planting trees and other plants of not getting the soil firmly packed about the roots or allowing air spaces about the roots. This may be prevented by shaking the tree up and down as the dirt is applied and firming it well after the tree has been set. When the trees are dug from the nursery row many of the feeding roots are left in the ground and it is necessary to remove some of the top of the trees in order to more nearly establish a balance between the tops and the roots. This pruning should be given immediately after the tree has been set.

The following points should be kept in mind when performing this operation: There or four branches should be left in addition to the central leader. The lowest of these branches should be on the southwest side to prevent sun scald; the branches should be four or five inches apart and on different levels. Any large branch that is outside the leader short. In order to pack the soil firmly about the roots, at least 2" or 3" should be left unpacked as a mulch.

ALFRED I. WILDER.
TREASURE-TROVE
When a Rorimer-Brooks designer starts to plan a decorative scheme, he has at his call, first, the looms, the potters, the rug makers, the pigment mixers and all the other artistic craftsmen of the five continents; second, right at his elbow in the studios, available examples of the finest specimens of interior art from both the Old and New Worlds; and third, out in the Rorimer-Brooks shops a group of artisans whose present work in furniture will, with the passage of time, become treasured heirlooms.
It is little wonder, therefore, that a Rorimer-Brooks decorative scheme wins such instant appreciation from every cultured visitor.

PRIVATE SALE
One of the French Period Rooms

HE Franklin R. Webber Collection of Rare Examples of Antique Period Furniture is offered at private sale, open to the public, at 61 Beacon Street, Boston, Massachusetts.
The sale includes not only the rare period furniture and furnishings of the Georgian, French and Early American periods but the Webber Estate at this address.
The collection can be viewed by appointment and individual pieces purchased if desired.
A descriptive booklet—fully illustrated—will be mailed upon request. Address
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THE BIGGEST INVESTMENT OF YOUR LIFE IS YOUR HOME

WHEN you buy or build a home, it's not merely a purchase, it's a huge investment—a life-long investment from which you want a high percentage of dividends in low upkeep and in happiness.

A building like the Western Union Building, Welles and Bosworth, Architects, is an investment too—only much bigger. It is built with all the care and economy that can possibly be put into any structure. The plumbing system is installed with the pipe that ensures—Reading Genuine Wrought Iron Pipe.

Reading Pipe resists rust and consequent corrosion. It gives long life that is free from the expense and annoyance of pipe replacement. Its ultimate cost is so low that you can't afford not to use it.

So, if you build a home, don't take it for granted that the right pipe will be installed—never used before. Genuine Wrought Iron Pipe is used. And if you buy a home, look for the Reading imprint on the pipe. It assures you of an investment that gives big returns in long uninterrupted service.

be used successfully in small gardens as well as in western orchards, but takes much labor and is a waste of water. The sprinkler or the rainfall of the ground not to use it, having no nozzle attached is one of the best ways to water a rose garden, but not a plan for general use. The common practice of sprinkling the garden with a spray nozzle is about as ineffectual as can be imagined. A mere surface sprinkling does no good, but may do positive harm by coating the roots to the surface. On the other hand, a heavy watering with large drops often breaks the flowers and foliage of the more fragile plants.

All these facts having been recognized, American inventors genius has produced types of rain-making machines which solve the problems for the home garden and for large estate and the market gardener's acres.

There are several systems quite different in appearance and operation. Selection will depend largely upon the character of the garden, the volume of water available and the pressure to be obtained. These matters may be taken up with the manufacturers or agents of the different systems, who will supply the information necessary for choosing the system needed for one's special location.

In the nozzle line system, all classes of crop growers are given a method of distributing water which is efficient and inexpensive. This consists of pipes having small nozzles inserted in a perfectly straight line 4 apart. These pipes are carried at the top of supporting posts of wood or iron, which may be from 2' to 6' high. The low supports are best used when the pipes run the same way as the vegetable rows. Being low, they are inconspicuous. If the pipes run across the field, however, it is better to have them high enough so that the gardener can walk under them without stooping.

The system is fed by a pipe attached to the water main, or if more convenient, by means of a hose leading from an outside faucet.

A temporary and very convenient fitting is a turning union located where the system starts. By means of a small hand wheel, it is possible to turn the distributor pipe so as to throw the water at any angle on either side. This arrangement makes it possible to cover a total area 40' or 50' wide.

There are few troubles with this simple system, but it is necessary to keep it working properly. The water main should be carefully attended to in order to keep it functioning properly. The fine nozzles occasionally get stuck, but can be cleaned by a half nozzle adjustment by which the nozzle can be removed just tlie system needed for one's special location.

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It contains instructive information on pipe costs and the best installation methods. Also literature on Reading Cut Nails, which hold and prevent squeaking doors.

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Those who take pleasure in artistic excellence will particularly appreciate the true beauty of Elgin A. Simonds Company Furniture. There are many delightful designs—interesting original models as well as replicas and adaptations from the best period furniture.

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If you should find any problem in arranging or selecting the furnishings of your home, write for advice to our Department of Interior Design through your dealer if possible, or direct.

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Manufacturers of Furniture
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THIS Pendant Electrolier possesses all the charm of French periods, without excessive ornament. Especially suited to the Reception or Dining Room.

Plain surfaces finished in bright silver; relief parts in mellow French gold. Leaf treatment hand wrought. Urea of Amethyst, Canaries or Royal Blue. Lustres clear or vari-colored. Shades of pale gold silk, with bands top and bottom to harmonize with surroundings.

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How one woman learned to save time and work; how a man took business efficiency into his home.

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INSTANTANEOUS Hot Water is conceded first place among home conveniences by the thousands who have Hoffman Automatic Water Heaters in their homes. Nothing brings more comfort or saves more time and work.

With a Hoffman there is no tank of water to be heated. You simply turn the faucet any time and steaming water instantly flows. Close the faucet and the gas is automatically turned off. The complete story of Hoffman convenience, comfort and economy is told in this gift book which you may have if you send the coupon. Hundreds of men and women are reading it—its profit. In justice to your own home, send for a copy right now.

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Hoffman Instantaneous
Automatic Water Heaters
For All Homes Using Gas

Quenching the Garden's Thirst

(Continued from page 92)

TINTED LIGHT

The human race evolved through thousands of years of adaptation to natural daylight. There was a primitive fire, the disintegration of which created the sun. Fire was mankind's first source of light and warmth.

The first primitive fire was a crude, accidental fire. It was only yesterday that artificial lighting was first employed. Today, the artificial light is a necessity. It is a convenience, a necessity, a source of comfort, and it is a source of protection.

The artificial light of today is a modern, efficient source of light. It is a source of comfort, a source of protection, and it is a source of convenience.

The artificial light of today is a modern, efficient source of light. It is a source of comfort, a source of protection, and it is a source of convenience.

HERBACEOUS PERENNIALS

ITHIN recent years there has been a great awakening of interest in the plants which are used in old-fashioned gardens. These plants, commonly called herbaceous perennials, include such familiar flowers as the peony, phlox, iris, larkspur, Michaelmas daisy, day lily, columbine, rocket, anemone and spirea. With a little care these will live from year to year, although the tops die back to the ground each year.

Perennials are valuable because:
1. They vary greatly in habit and growth and in shape, size, and color of the flowers.
2. Some can be found suited to any condition, whether it be wet, dry, sunny or shady.
3. By careful selection, continuous blooms may be had from early spring until late fall.
4. In general, they are comparatively cheap, propagate easily, increase rapidly and are permanent.
5. Nearly all are good for cut flowers.

Some plants, such as peonies and day lilies, may be planted as specimens in the garden, while others, such as Michaelmas daisy, may be used as edgings for beds or borders. Some species, like the iris, are excellent for rock gardens. Others, like the peony, are excellent for borders.
July, 1922

P. JACKSON HIGGS
IMPORTANT

Mr. Higgs announces the placing on sale of many examples from two important and historic houses of England. There are no less than eighteen Panelled Rooms from one house including superb Mantels and Furniture of the period. Also included are all the Garden Ornaments, Fountains, Lead Figures and Marble Statuary, very important Paintings and rare Chinese Porcelains.

11 East 54th St. New York City

How To Use Your China Closet
To Enclose A Radiator

This gives you the hint.
Our booklet called Radiator Enclosures, shows you exactly how it is carried out on a corner cupboard very like this mantle-side-one.
This particular Decorative Metal Grille used, is one of our Special Designs, of which we have over 500, a goodly number of which are shown in the booklet which be assured you are most welcome to.
Of course if you want your own or your architect's design of grille, we gladly model it especially for you. It costs more, but your personal satisfaction would be in proportion.

TUTTLE & BAILEY MFG CO.
2 West 45th St. New York
It's the Little Touches of Convenience that Make a Home

COMPLETE electrical convenience is just a matter of forethought. Above all things, you want the house you live in to be home-like—comfortable and convenient.

What can contribute more to your comfort and convenience than electricity properly applied?

Have switches in every room. Be able to control the upstairs lights from downstairs and visa versa; to light the garage or cellar from the kitchen.

With plenty of well located convenience outlets, you can place attractive lamps wherever you wish. You can use several electrical devices all at the same time, if need be; a vacuum cleaner in any part of the house, a sewing machine where the sunlight is brightest, a chafing dish in your living room or den for those "chubby" little spreads.

These economical home comforts may be had in the house you are living in just as well as in a new one, for any qualified electrical contractor will do the work with little muss or trouble—and it costs very little more to have complete electrical convenience.

A New Booklet for Home Lovers

How to secure this electrical convenience in each room of your house is told in detail in a booklet prepared for you by household specialists of the General Electric Company.

This booklet will be sent free, together with the name of a nearby electrical contractor qualified to assist you in planning adequate electrical convenience for your home.

If you own or rent a home, or ever expect to, you will find this booklet well worth reading.

Herbaceous Perennials

(Continued from page 94)
The MACBETH GALLERY
1892 = 1922
ART NOTES
THIRTIETH ANNIVERSARY NUMBER
reviews the early days of the Gallery and contains a brief article on Questions to ask oneself when buying a picture
This should be read by every prospective buyer. It will be mailed free on request
WILLIAM MACBETH
INCORPORATED
450 Fifth Avenue at Fortieth Street
New York City

The NEW YORK SCHOOL of INTERIOR DECORATION
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Correspondence Courses
Complete instruction by correspondence in the use of period styles, color harmony, composition, etc. Course in Home Decoration for amateurs. Course for professionals. An agreeable and lucrative profession. Start any time.
Send for Catalogue H.

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Decoration of Houses
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An unusual wrought iron table for a garden or sun room is 24" high. The top is 11" x 14". $16.50
This may be purchased through the Shopping Service
House & Garden
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IMPORTED GIFTS
A gift from Peggy Deutz reflects as much on the discerning taste of the giver as it adds to the happiness of the recipient. For whether it be a mystic Chinese lamp, a gorgeous piano scarf, or something rarer than either, it is certain to be the perfect tribute to the occasion.
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Glittering tile and resplendent porcelain prove a sad disappointment when the water dribbles from rust-clogged pipes or your bathtub fills with rusty water.

Complete comfort in your bathroom requires brass pipe. Any other pipe will rust—and that is not all, inferior pipe will clog, leak or split.

Anaconda brass pipe resists corrosion. It insures you against torn-out walls, falling or unsightly ceilings, and the annoyance and expense of the repairman’s visits.

The added cost is only $75. for a $15,000 house. By adding a fraction of a cent to each dollar to be spent for plumbing, you can have Anaconda brass pipe in your home. Remember the cost of installation is the same.

Write for our new booklet, "Ten Years Hence," which tells how you can save on your plumbing. It is free.

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About 100 gums imported annually compared with 100,000 of the usual. A resident of South Battery, Charleston, writes: "Your rugs have been an education and a delight all these years." Over 95% of my sales are to old customers: my whole argument.

Write for descriptive list of thick, richly-toned antiques. Then order an assortment on approval, express prepaid, without obligation. That is why I sell so many rugs in New York, Chicago, Boston, etc.

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A new and practical adjunct to your innumerable and your giant's comfort (dale-fonnie). Clothing simply held to perfect hangings—nicest and most at night-doubly valuable after entry day. Not a substitute for chest—in aid to it. Now in use in upper-beautiful American homes. Ample description on request. Every color and every colour will order to match your needs. Price $15.00

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are a source of endless pleasure. The birds they attract to your garden bring life, color and delightful entertainment.

Our exhaustive list-including a large variety of bird baths and other garden furniture at prices lower than practically anywhere else in the country.

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SERVICE TABLE WAGON

Saves Thousands of Steps

(1) Has large broad Table Top (20x30 in.)
(2) TWO Underbelves (to transport ALL the Underbelves in ONE TRIP.)
(3) Large center pull-out Drawer.
(4) Double End Guiding Handle.
(5) Equipped with four (4) Rubber Tired "Scientifically Silent" Swivel Wheels.
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Write for specimen
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The Colonial Fireplace gives greatest heat, health, and happiness. Comes to you complete—design, damper, lining, fender, brick, etc. Any bricklayer can install with the plans we send. Colonial Head Throat and Damper insures right construction of vital part of fireplace. Only damper made that provides for expansion and contraction within itself—no danger of cracked fireplace facings. Perfect draft, easily controlled, never smokes.

Everything for the Fireplace


Hand Painted "Home and Fireplace" shows many exclusive designs. Helps you avoid mistakes in building your fireplace.

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24 Years Building Fireplaces

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STUDIO

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New York
Facts About House Heating

Mere beliefs and opinions are not dependable. The REAL FACTS are vital to your entire household.

This is proven by the following comment of a prominent New York Heating Engineer:

"It does not take an expert to realize that the house furnace as commonly installed, is a source of foul heat and contaminates the air. The furnace gases pollute the air we breathe, compelling us to open windows to get a breath of fresh air. There is something radically wrong with the accepted methods of house heating. After reading your literature, I believe you have solved this problem better than any other known method of heating."

It was FACTS that convinced this man of the efficiency of the "FarQuar" SANITARY HEATING SYSTEM.

The chief consideration is not only a matter of physical comfort but of pure, fresh air for your lungs—a factor of vital importance to everyone.

A FarQuar Heated Home is distinctive for its refreshing atmosphere. It is never depressing nor enervating. Always there is an abundance of gently warmed, pure, fresh air which keeps the rooms delightfully comfortable.

Interesting Booklet Free

You will find a multitude of facts and helpful information on the subject of comfortable homes, in our booklet called "The Science of House Heating." A copy will be mailed free on request.

The Farquhar Furnace Co.
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Enjoy the Full Comfort of Your Porch This Season

The porch enclosed with Vudor Ventilating Shades is always hospitable and inviting. Guests and friends need no second bidding to share its cool, cozy, sun-decked corners. But you and the children will enjoy it most of all as a delightful place to live through the summer days and nights.

Vudor Shades have become a necessity to homes of comfort and good taste—whether simple cottages or magnificent mansions.

Vudor Shades are made of wood slats beautifully stained in permanent colors—arranged so that you see passers-by but they cannot see you. Ventilator woven, its top-exclusive Vudor feature—assures perfect ventilation. There's nothing quite like them for appearance, utility and comfort. Write for color illustrations, prices and name of local dealer.

Hough Shade Corporation
261 Mills St. Janesville, Wis.

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Vudor
VENTILATING
PORCH SHADES

The WHITE HOUSE Line
SECTIONAL UNIT STEEL DRESSERS

KITCHEN COMFORT

There is nothing more trying to the busy housewife than to spend hours of her day in an unpleasant, inconvenient, unsanitary kitchen.

A White House Kitchen Dresser starts your day right. Its gleaming white enameled surface lends cheer to the room, and is easy to keep clean.

The compartment arrangement meets the housewife's needs. Its comfortable height, anti-friction drawers, doors with individual catches and pest-proof bins for flour, sugar, cereals, etc., do away with kitchen worry.

WHITE HOUSE KITCHEN EQUIPMENT comes in sections to fit any kitchen, large or small. Send for our illustrated catalog. It gives many points on kitchen efficiency and shows photographs of actual installations.

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ESTABLISHED 1840
133 WEST 44TH STREET, NEW YORK

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Acquire this Sixth Sense by Using
The Refined American Paper Doilies

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Summer Homes
Summer Porches
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All Moist Foods
where the use of real linens offends good taste.
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Appetizing Daintiness Without Labor

The American Paper Daily — a Delicate Illusion of Lace and Linen

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Please send me your special two gross package—4 patterns in individual gift boxes for the enclosed $1.00 bill.

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ON your hours of rest depend the vigor and freshness with which you meet the problems of a new day. A soft downy mattress will make your sleep restful and relaxing.

Your sheets and quilts are constantly washed. But it's impossible to wash a mattress. Mattress Protectors will keep the mattress fresh and clean. They are made in any size and are quilted with dainty snow-white wadding, encased in heavy white muslin. They remain soft and light and fluffy in spite of washing and continuous use.

We originated this quilting in 1911. Ever since it has been improved to quality in its present perfection.

The EXCELSIOR
15 LAIGHT STREET

See that your little red Piggiebook is situated in the corner of every Protector you purchase from any dealer, or write to us.
Few articles have been so widely imitated as Richards-Wilcox Slidetite sliding-folding garage door hardware. The countless attempts to imitate Slidetite only serve to prove its superiorities.

Before erecting a garage of any size, it will be worth your while to investigate—

**Richards-Wilcox**

**Garage Door Hardware**

Doors hung on Slidetite snugly fit any opening up to 30 feet wide and always remain weathertight. It is utterly impossible for them to blow shut, thus preventing injury to both automobile and person. The doors operate on a jointless track—smoothly, quickly, securely. A mere push is all that is required to open or close them. Slidetite is the only garage door hardware that can successfully be used in openings requiring more than six sliding-folding doors. Even after years of service they will not sag or stick.

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A House for any Door that Slides!

*FOR THE DECORATING SCRAPBOOK*

The fine proportions of the arched bookcases, the cool restfulness of the paneled walls and the sturdy lines of the comfortable chairs make this fireplace group the focal point of interest in the room.

*Wallace*

Painted furniture and hooked rugs combine charmingly with a modern chintz in this country house living room.

*In this breakfast room peasant dishes and painted furniture contrast pleasingly with the plain walls and muslin curtains*

How effective old furniture can be when silhouetted against neutral toned walls is shown in the dining room end of a studio pictured above. Old china adds its notes of color, while a gay screen, on which are mounted old fashion prints, is unusually decorative. Arthur Wanamaker, decorator.
This Paul Water System is recommended to supply all necessary water to any building illustrated, furnishing water under constant pressure in all buildings. Also for supplying water in large city homes from cistern.

Water under pressure when and where you want it

The big country estate can have ample water supply under constant pressure in every building and on every floor. The little cottage and the camp in the woods can have the same service at little cost, pumping water from well, lake or spring. Paul Water Systems are trouble-free, operate without attention, require no delicate adjusting, and operate with either electric power or gasoline motor.

Complete systems with pressure tank storage, or direct (tankless) service. Capacities from 100 gallons to 1440 gallons per hour.

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In that new home you are planning, in that "perfect" home which is to have all those conveniences you've wanted and waited for so long, will you be content to have an unsightly, insanitary garbage can and an improvised refuse receptacle? You won't need them if you have your architect include in his plans the Kernerator, the modern system for disposing of household waste.

The Kernerator consists of a brick incinerator, built into the base of the chimney when the house is erected, and a hopper door located in the flue on the first floor. It takes care of all household refuse—rags, sweepings, wilted flowers, broken crockery, tin cans, garbage—without cost, since no commercial fuel is required. Non-combustibles are dried and sterilized and later dropped into the ashpit.

Ask your architect about the Kernerator and write for an interesting booklet we have just prepared, showing some of the fine homes in which it has been installed.

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Do You Know the "PathFinder"?

The Sentinel that Welcomes and Protects

The Pathfinder is a miniature lamp post only 2½ feet high shedding light on the ground over a radius of fifteen feet. It is so constructed as to absolutely eliminate glare from the eyes of pedestrians and, what is more important, from drivers of automobiles. The Pathfinder throws light where it should be thrown—on walks, drives, roads, at entrances, yet it is inconspicuous.

Handsomely finished in cast iron. Write for prices, and mention number you can use. In quantities of 3 or more there is a reasonable discount.

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For an interesting half hour send for our booklet "The Lamp of Hospitality."

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THE PATHFINDER

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Use This Request Blank
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Health demands plenty of fresh, running water in the home. Any physician will tell you that.

Have you running water in the kitchen? Have you a bathtub—a toilet of modern comfort? Running water brings these health necessities. Do you carry water on wash day? Have you running water in the home. Every physician will tell you which, if lacking, would in time show up as a detriment to the property. If you are purchasing a new home before it is completed, you can give it a small amount of your personal supervision in the way of small details which will more than pay you for the time and trouble it may cost.

After all, you really do not know what kind of a house your new home is until you have lived in it for over a year. At the end of that time you find out how and of what your house was built. At first sight you can readily appreciate a nicely planned house; plenty of wall space in the living room, with a cozy fireplace, a cheerful dining room, a convenient and well arranged kitchen, bedrooms which not only look ample but in which there is plenty of room after all furniture is arranged and which have good cross ventilation, a satisfactory heating system, sanitary plumbing, etc. But what kind of a house have you when cold weather comes? Does the wind come in around your windows even with weather strips on? Have the floors settled? Has the flooring opened up and cracked, especially above the furnace? Has the plaster cracked around the chimney? And do the windows rattle?

To avoid these catastrophes at the start—First: See that the bearing plates on the main foundation walls are properly bedded in cement mortar before any joists and studding are put on. Do not allow the plates to be laid directly on the masonry work to be pointed up later (figure 1). What little pointing is done under this condition (if not entirely forgotten) is bound to crack off with the shrinking of the lumber, etc. A full bed of mortar should be spread on top of the foundation and the plates, then tamped into it before the cement has set. In this way all the unevenness of the wall is taken up and wind and cold cannot possibly get through (figure 2). Second: See that there is no connection between the chimney and any part of the frame work. The chimney should be entirely independent of any wooden work, especially if the house is built on soil which is likely to settle. Do not allow any plastering directly on the chimney, Studding with lath and plaster should run entirely around the chimney. (Continued on page 106)
Steel Casements

for artistic residences

and other substantial buildings

Made in varied designs to meet all conditions

CRITTALL CASEMENT WINDOW CO.

Manufacturers

Detroit Michigan

July, 1922

CRITTALL

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Cement and stucco homes are beautiful, and secure from weather when under the protection of Bay State. For this master coating waterproofs every home it beautifies. Draining rains cannot beat through a Bay State coated wall. It permanently seals a home from dampness. It changes the drab color of cement or stucco to a rich white or one of many beautiful tints.

Let us send you samples of Bay State Brick and Cement Coating. In white and a complete range of colors. Booklet No. 2 shows many Bay State coated homes. Write for samples and booklet today.

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Brick and Cement Coating

Are you ashamed of your back porch?

Garbage is not only an embarrassing nuisance, but a distinct menace to health.

Unwelcome—and yet no place to go. That is the plight of the garbage. How it heaps up! Always accumulating and making you ashamed of the back porch. The clouds of flies, the bad odors, disease germs, yawning cats that come at night, all can be traced to the influence of the garbage pail.

The truth is that we have been putting up with make-shift methods of garbage disposal. You can't throw it in the furnace lest the grates clog up and the house be filled with foul odors. Strangers must be permitted to prow about the place if it is to be hauled away—a none too safe idea. How simple is the army method in comparison as embodied in the Ranz Garbage Destroyer!

A Ranz Garbage Destroyer slips into old or new buildings (or outdoors) as easily as a stove, and costs less than one. Dump all wet or dry garbage, old papers, trash, tin cans, bottles—in fact everything—into it. A steady draft of air dries out the garbage and carries away all odor. Touch a match once a week and the job is done. Everything is reduced to ashes or sterilized. Every inch of your place is kept sanitary and clean when there is a Ranz around.

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Fine homes, apartment, business blocks and picnic grounds find it indispensable. A Ranz Incinerator will increase the value of your property. Ten years from now every building will have one, as surely as they have doorbells and bath tubs today. If you want to be proud of your place, you must have a Ranz.

For old or new buildings or outdoors

Write today for free booklet on sanitation. Read how the U. S. Army keeps things clean. Your name and address in the coupon below brings it to you.

Snip this out with your scissors and mail today.

Necoah Braas Works.

Dept. 27. Neenah, Wis.

Please mail me your booklet on garbage disposal for homes, cars, hospitals, picnic grounds (check).

Name

Address
Hints for Builders

(Continued from page 104)

FIGHT THE CORN BORER

SPECIAL efforts to prevent the European corn borer from spreading, will be made this season by the United States Department of Agriculture. The most important single measure will be the rigid enforcement of Federal quarantine regulations by the Federal Horticultural Board of the Department.

The Federal quarantine includes 144 cities and towns in Massachusetts, 3 in New York, 42 in Ohio, and 13 in Pennsylvania, and prohibits the shipment of corn and broom corn, including all parts of the stalk, cut flowers or entire plants of chrysanthemum, aster, cosmos, zinnia, hollyhock, and cut flowers of entire plants of gladiolus and dahlia, except the bulbs, to other States throughout the year.

The Akron corn borer is under the Department's recommendation, through the following practices:

1. Do not cultivate the field borders, roadsides and such places free from large weeds or large stemmed grasses.

2. Do not cut and remove sweet corn stalks from the field as soon as the ears are harvested.

3. Do not plant corn within 50 feet of beans, beets, celery, spinach, rhabarbar, or flowering plants intended for sale.

4. Do not transport outside of the infested area any of the plants, or plant refuse from the vegetable and flower garden on public dumps, or on the edge of bodies of water where the borer can be in contact with the original area. This will deflect the intense heat which is bound to be found directly over the furnace and heat pipes, and relieves the tension and floor joists of the extreme heat to which they would otherwise be exposed.

5. Do not place in swill container any sweet corn ears or portions thereof, or discarded portions of celery beets, beans, rhabarbar, or spinach when this material is suspected of containing the borer.

6. Do not dump cornstalks, or other plant refuse, into garbage holes or discarded portions of celery beets, beans, rhabarbar, or spinach when this material is suspected of containing the borer.

7. Do not dump cornstalks, or other plant refuse, into garbage holes or discarded portions of celery beets, beans, rhabarbar, or spinach when this material is suspected of containing the borer.
Let your plumber show you how to take full advantage of the many conveniences afforded by MODERN bathroom equipment.

This message in the interest of the plumbing contractor, is published by a firm that has devoted the energies of three generations to the development of sanitary fixtures for the home—

MADDOCK

THOMAS MADDOCK'S SONS CO., TRENTON, N. J., U.S.A.

A Suggestion

In judging motor car value, consider the maker as well as the car. Recall that this is the twenty-second year that National has devoted to the higher development of motor equipages and that the present product of America's first builders of Sixes must have profited mightily by the searching experience of its producers. There is no finer mechanism than the 1922 National Six. Its style is refreshing.

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960 N. Meridian St.
Los Angeles, Calif.
1009 S. Fower St.
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418 W. Court St.
Milwaukee, Wis.
New Haven, Conn.
121 George St.
New York City
1759 Broadway
Pittsburgh, Pa.
2205 Blvd. & Beatty St.
623 North Broad St.
San Diego, Calif.
631 P St.
San Francisco, Calif.
1128 Van Ness Ave.
St. Louis, Mo.
318 Olive St.
St. Paul, Minn.
7 Corners
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ICE CREAM without cranking!

Let's forget the old freezer—and think of the new, the freezer that has no crank!

In it ice cream literally makes itself, without labor. Fill it; set it aside; do anything you want—in less than an hour ice cream is ready to serve.

THE Auto Vacuum is a one-piece, all-metal container, white enameled, light in weight. It's as easy to clean as a milk bottle! It's more economical, too, than the old kind—much less ice is needed.

There's nothing like rich, pure, homemade ice cream! There's nothing TO the making of it now!

Write for interesting booklet "H"—
Deserts That Make Themselves.

AUTO VACUUM FREEZER CO., Inc.
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Let Them Drip—

This Floor Is Waterproof!

WET rubbers and dripping umbrellas, that turn other varnishes white, have no effect on DEGRAH—the transparent, waterproof varnish. Use it on your floors, furniture and woodwork. Glass-hard, iron-tough, made to stand abuse.

If interested, write
KEYSTONE VARNISH COMPANY
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Degrah

It's Waterproof

12.50 Cents a Gallon, a large can.

The ONLY successful finish containing DEGRAS (oil of sheep's wool). Made in 7 colors, for Floors, Furniture and Woodwork.
The Brand Peonies
Originated by O. F. Brand & Son
America's Foremost Hybridizers of the Peony

The largest Plant Breeding Establishment in the World that is devoted to the origination and bringing out of new varieties of the Peony. We carry over 1,000 varieties. There are over 17,000 new seedlings in our seed beds this season.

The quality of our productions is attested to by the fact that of the World's 22 best varieties of this beautiful flower the following four or a little better than 18% were originated by us:

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Martha Bulloch
Frances Willard
Longfellow

We have in our fields this season for this fall's shipment the largest stock of first class peonies that we have ever carried, among which will be found such beautiful sorts as:

Alsace Lorraine
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and many others of the World's very best American and European peonies.

We also offer for your consideration these wonderful BRAND PEONIES:

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If you do not see listed here what you want write for our 1922 Price List now out, and our 1922 Catalog which will be issued about July 1st.

Brand Peony Farms
Box 424
Faribault, Minn.

WHEN TO WATER PLANTS

On those hot muggy days when the sun beats down upon the plants in both field and garden, the soil is hard and crumbly and parched. It seems as if all the moisture has been drawn from it, and that the plant must die. But there is always some water found at deeper levels, and this is available to those plants which have long tap roots.

It is surprising with what avidity roots are able to take moisture from the different types of soils, although the moisture content of the various soils differs according to texture and organic constituents. Pure quartz sand has a capacity of holding 46.4% of its volume of water, loam has a capacity of 60.1% and humus generally holds 70.3% of its volume of water, although under some conditions it can retain more. But all soils do not give up their entire moisture content to the roots. A plant growing in pure sand begins to wilt when all but one-half per cent of water has been removed. In a loamy soil, plants begin to wilt when the soil still retains 10% of water. A soil rich in humus gives off still less moisture, and when plants are placed in moist sawdust they begin to wilt when the dust still retains one-third of its weight of water.

For these reasons it is difficult to determine those specific conditions when it becomes absolutely necessary for potted plants to be watered, and almost all factors must be taken into consideration, only general answers can be given. Dampness is much more injurious to a plant than an occasional dry spell, but when the soil is dry, the plant requires water, and this should be generously provided. Giving the plant moisture drop by drop, or supplying an insufficient quantity is always injurious, as under these conditions the upper layer of soil becomes moist leaving the lower dry and hard. This first injures the roots and later affects the entire plant.

Watering the garden during a dry spell in the summer is very essential. But this should be done in the early morning hours or late in the afternoon, preferably at twilight. When the plants are watered during the hotter parts of the day, while the sun is still shining, it is more injurious than beneficial. Older plants require less water than seedlings, since the roots of the older plants penetrate to a deeper level than the younger plants where they receive the benefit of the ground waters; at the same time, transplantations should not be kept too dry. Older trees also need more thoroughly so that the moisture will penetrate to a lower level. Simply spraying the upper layer of the soil so that it can not penetrate it is of practically no advantage.

The thicker roots do not take up the water. Almost all of the moisture required by a plant is absorbed through the tiny root hairs which are found on the recent growths of the younger roots. These hairs not only take up water, but also the soluble salts necessary for the life of the plant.

But plants can also be pampered in their moisture requirements. When the wind blows, much moisture is taken from such plants, and the sun also draws up moisture hours or late in the minute from them. Such individuals will be found in a more or less wilted condition with loosely hanging leaves and drooping shoots, although the soil contains a sufficient quantity of moisture for a vigorous plant's requirements. In both cases, the leaves, the agency of the stomata (tiny openings usually found on the under side of the leaves and used (Continued on page 110)

The root tip showing the root cap and the root hairs. The former is used to push the particles of dirt aside, so that the root can grow forward; the latter are used to absorb moisture.

The flowerpot should never be placed directly into the saucer, it should first be placed into a wire stand.
The Most Greenhouse—For the Least Money

By the least money, we mean, the least that is consistent with lastlingness and the making of a happy healthy home for your plants.

It's just a clean cut, thoroughly practical greenhouse, in which the ornamental touches and extra refinements, so to speak, have been eliminated.

Still it is decidedly good looking, and will grow just as many and just as fine quality of flowers, as any house that costs more.

It is a house we have been building for years. But the times have made so many folks want to strip things for the running, as it were, that they quickly buy this Practical Purpose house, when they would not buy our regular one with its curved eaves and other features.

Glad to send you fullest of particulars, or one of us will come and talk it over with you.

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Builds of Greenhouses and Conservatories

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Right now there's a very destructive foe in your garden, on shrubs and flowers—it's Aphis. It attacks leaves and stems.

You can kill Aphis, Thrip, Leaf Hopper and similar sap-sucking insects on trees, shrubs, vines, vegetables, and flowers by spraying them with "BLACK LEAF 40" ( nicotine sulphate.)

Bottle, making about 6 gallons of spray 35c. Order it through your dealer in ample time for your needs.

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Calloway UPOTERY
Gives the Essential Touch

A Bird Bath will make a delightful spot in your garden. The beauty of your plants will be enhanced by interesting Vases and Jars. Many attractive designs can be selected from our collection of enduring Terra Cottas, which also includes Benches, Fountains, Sun Dials and other charming decorative pieces for the garden, sun room and home.

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Your lawn and shrubbery may be kept green and beautiful thru the longest summer drought by installing a Brooks System of Lawn Sprinkling and Irrigation.

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The Heimann Trimmer Co.
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PROPAGATING FERNS

T
HE ferns are the largest and the most beautiful of all the cryptogams. The height of their development lies in the far distant past, the Coal Age. At that time all plant life was flowerless. The Equivalents as well as the Lycopsidaeae gave a diurnal appearance to the carboniferous landscape, while the innumerable ferns, with their bright light-green, lace-like foliage were of a more pleasing appearance. The lower varieties of ferns formed like thick carpet which covered the dead yellow-brown leaves lying on the black, turfy top-soil, while the more slender tree ferns spread their feathery capitals of spirally-formed shafts far above their herbaceous relatives.

Still to-day the fern tree forests along the damp coasts of southern Australia and New Zealand are of the most wonderful beauty and grace. There the plants depend more upon air which is saturated with moisture than they do upon heat. On the western coast of New Zealand fern trees even occur in the immediate vicinity of glaciers. Other varieties, as the Cyathea dealbata, Cyathea medullaris, Asplenaea austrotralis and Dicksonia antarctica, are found in certain regions of southern Australia and Tasmania where snow falls at stated periods. This is the convicing proof that fern trees can be cultivated in the house if a sufficient quantity of water is provided, and if the leaves and the trunk are often sprayed. In summer the plants should be somewhat thinned by removing the upper part of the sun but in winter they should receive their beneficial warmth.

From the best in a course unfertilized humus which should be kept damp constantly. But care must be taken that the water does not remain in the container. For this reason the vent of the flower pot receives a foundation of coarse sand which allows the surplus water to drain through the root balls. Standing water is just as fatal to the fern as an insufficient supply, and the room is not well ventilated things will make their appearance.

The spores of the ferns which are cultivated in the dwelling room belong to the Polypodiaceae, which approximately 250 genera and 8,000 species, as far as they are considered as house plants, closely resemble the tree ferns in their mode of life. No fern varieties are especially fitted for the dwelling room since a moist atmosphere is of more importance than heat.

The trunks of the Polypodiaceae are hidden in the ground. The fronds, on the other hand, reach much nobler proportions. Their ideal outline and texture, which is found in the more slender varieties, are more beautiful beauty with gorgeous appearance. The stalks are tubular, the frond is divided and subdivided into two, three, four, or five and sometimes even more parts. In many cases they require more than one year for their full development.

The apparently highly developed fern is only an unequal plant. The sexual plant is very small, consisting of a heart-shaped leaf the size of a small coin. These grow from spores found in uncountable numbers on the under-surface of each frond. These ferns appear as a pulvular mass. When one of these spores has a favorable place to grow, a thin succulent green mound overlies itself, each leaf then being divided and subdivided into two, three, four, or five and sometimes even more parts. In many cases they require more than one year for their full development.

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Mark Twain Said:
"A great, great deal has been said about the weather, but very little has ever been done."

If Mr. Clemens had known about the modern Cornell Irrigation Systems for gardens and lawns, his whimsical remark would have lost some of its pointedness.

Nowadays something is done about the weather and much of the disappointment attendant with trying to make a garden or lawn grow is a thing of the past. For Cornell systems actually do give you rain when and where you want it.

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**LITTLE WONDER HEDGE TRIMMER**


THIS invention takes the work out of hedge trimming.

Trims 5 to 10 times as fast as by hand—various adjustments and attachments suit it to every shape and cut desired.

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Light and easy to operate.

Will trim back the new growth of hedge during the summer months and keep your hedge as neat as your lawn. Is mechanically perfect and made of the best of materials. We subscribe sixteen pounds. Numerous testimonials from users. Complete instructions accompany each machine. Sold by leading dealers. Write today, enclosing check, and we will ship your machine at once. References. Circulars on request.

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Are designed especially for the better class of suburban homes, city residences, parks and country clubs.

They will bring good cheer and happiness to your home the year round. They give you rain when and where you want it—save you the value of your property and give you constant satisfaction.

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Built entirely at our new factory in completely finished unit sections, so their cost is surprisingly low. Every cost, too, is clipped eliminated because someone can quickly and easily bolt them together. They are shipped ready to install—completed.

Only the best grade of Louisiana Cypress—the wood eternal—is used in their construction. Made in a number of styles and sizes—with a wide range of prices.

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Also manufacturers of large Greenhouses and Foulweather Apparatus for commercial greenhouses. If interested, ask for our Commercial Catalog.

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**PEONIES**

My preliminary price list of Peonies, in which I list the best varieties of the 850 kinds growing in my garden, now ready for distribution. May I send you a copy?

I will also send my Iris list, if you wish.

**The Bonnewitz Peony and Iris Gardens,**

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Really Most Remarkable Book Offer Ever Made!

Did you ever believe so strongly in a thing as to be willing to put up thousands of Dollars to carry your belief to others? I believe in the future of Peonies as the premier hardy garden flower for America. I voiced that belief in "Tips and Pointers" last year and some of my friends reproached me for painting that book in all too rosy colors. Then I started to get busy! Unwarned Facts tells the truth and nothing but the whole truth, as I know it. And it cost me a lot to tell this truth, in every way. It required over three (3) thousand dollars alone, to put over, in 8 colors, some of the illustrations. But it was worth it!

Now then, this book is too expensive to give away. I am offering it to H. & G. readers for 25 cents, with this understanding:

**If you do not consider the book worth $1.00, I'll return money and you keep book anyway.**

Could anything be fairer? I'll absolutely depend on your judgment in this matter! And if incidentally, you like the book well enough to take some of my advice on Peonies, you may deduct the book's price (25c) from your first $3.00 order. Thank you for calling!

KENOSHA, WISCONSIN

---

Propagating Ferns (Continued from page 110)

one or two leaves, the main root and a tube-like arm through which the mother plant supplies it with food until it has become independent. This grows into the sexless plant which develops the spores.

If ferns have been propagated from spores they should be transplanted into a sandy humus as soon as two leaves have been fully developed. Although this method of propagation is very interesting, still it is somewhat tedious. The spores are sown into flower pots filled one-third full with soil, the requisite amount of moisture being supplied by a saucer upon which the pot should be placed. The spores and the young plants are protected by placing a glass plate on the rim in such a way that the drops of water which may form must run down the sides. Neither should they be exposed to the penetrating rays of the sun.

Some fern varieties form adventitious buds both on leaves and on the veins. These should be taken off and planted individually into flower pots where they will soon grow into beautiful and valuable plants.

Shrubby ferns can be rapidly multiplied either by dividing the older plants or by taking off runners, i.e., young undeveloped fronds appearing at the base of the plant. These should be provided with roots. A division of the plant should only take place before the fronds have developed, and then only when the roots completely fill the pot. Only free, independent, and unirrigated root balls should be used for this purpose. But before transplanting they should be somewhat loosened with a small, round stick. They should never be cut. An ideal soil, which should be yearly renewed, consists of decayed wood, or leaf mould mixed with sand. Transplantation generally takes place in March or April. Then they should be moderately watered until the fronds grow perceptibly larger.

As a rule ferns are shade plants and

(Continued on page 114)
A New Invention For Your Garden

King GREENHOUSES

Whether you have a city lot or a country estate, there's a King Greenhouse of a size to meet your needs. We'll be glad to tell you about it.

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All the newest European and American introductions

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Movilla plants are unsurpassed for vigor and freedom of bloom.

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BEAUTIFY YOUR HOME

SURROUNDINGS

By the use of our Fences, Arbors, Trellises, Pergolas, Lattice Frames, Garden Seats, etc.

Our equipment enables us to manufacture at low cost a very large line of original designs—the attractive kind. It will be a pleasure to mail you our booklets: "LANDSCAPE BEAUTY ART." Our drafting department will design specially for you. No charge.

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Crystal Lake, Illinois

Pot-grown Strawberry Plants

DREER'S

Mid-Summer Catalogue

offers a choice list of Strawberries, including the best ever-bearing sorts, and gives full directions for planting so that you will raise a full crop of Strawberries next year.

It also offers a select list of Celery Plants, Seasonable Vegetable, Flower and Farm Seeds for Summer sowing. Garden Implements and Tools, Fertilizers and Insecticides.

Write for a free copy today and kindly mention this publication.

HENRY A. DREER

714-716 Chestnut Street

Of Greatest Importance To Your Garden During July and August

JULY and August are the gamble months for your garden. Just as sure as preaching If July's hot pelting sun is not offset by frequent soil-soaking showers, your garden will stand still. If it stands still or has to struggle along into August, then it's too late to overcome the damage done. The beans are tough, the beets stringy, the tomatoes too acid.

The Skinner Irrigation Co.
231 Water St., Troy, Ohio

Of Greatest Importance To Your Garden

Irises That Are as Lovely as Orchids

Wouldn't you like to adopt Irises as a "hobby", just as I did many years ago? When you knew them as companions in June, they reveal all their delicate, ethereal loveliness and lead you into a wonderland of delight.

For several years I have been hybridizing and introducing new varieties and this year I have four splendid Irises to present to House and Garden readers.

Farr's Wonderful
1922 Introductions

Cecil Mixture. Standards, falls and stigmas a soft shade of cuttifya rose; large flowers, dome-shaped. Strong grower and free bloomer. $5.00.

The Inca. Improved Planter-mage; taller and larger. Standards clear deep salmon-yellow; falls violet, dark plus edged gold; golden band thru center. Golden reticulations at base. $5.00.

Seagull. Standards white, dome-shaped. Falls pale blue and white ground; violet blue lines and reticulations. Distinct and fine large flower. $3.00.


One plant each of these 15 four 1922 introductions

If you want to know the wonderful Irises, Peonies, Chrysanthemums, Poppies, and other perennials grown at Wyomissing, send $1 for a copy of "Farr's Hardy Plant Specialties." 160 pages of text, many illuminations in color and photographs. The price may be deducted from your first order amounting to $10.

BERTRAND H. FARR
WYOMISSING NURSERIES CO.
106 Garfield Ave., Wyomissing, Penna.

RAIN WHEN YOU WANT IT

Of Greatest Importance To Your Garden During July and August

JULY and August are the gamble months for your garden. Just as sure as preaching if July's hot pelting sun is not offset by frequent soil-soaking showers, your garden will stand still. If it stands still or has to struggle along into August, then it's too late to overcome the damage done. The beans are tough, the beets stringy, the tomatoes too acid.

The Skinner Irrigation Co.
231 Water St., Troy, Ohio

P R O P A G A T I N G F E R N S

(Continued from page 112)

Therefore do not want the direct rays of the sun. The delicate and light-leaved Adiantum varieties require more light than the tougher and darker-leaved species. Younger plants are also more sensitive to an intensely bright light than the older plants.

Fertilizing the soil should be avoided although luxuriantly growing ferns can be given some cow manure dissolved in water.

He who has little time for the care and the cultivation of ferns should turn his attention to other plants which do not require so much attention, since ferns are only healthy and beautiful as long as the leaves are daily sprayed. For proper culture they should be placed either in an east or a west window where they will not receive the strong sunlight which is very injurious to them.

The Elkhorn is a typical example of an epiphytical fern. These plants, which are the most peculiar of the entire fern family, are found growing on trunks and limbs of trees, from which they receive no nourishment whatsoever. For cultivation they are placed in a soil consisting of decayed wood or leaf mould mixed with sand. They require a warm room and must be often sprayed. This plant, which is comparatively large, has two kinds of leaves, one kind is somewhat rounded and heart-shaped which later becomes brown, these are the protective leaves pressing closely to their support, single fashion; the other kind are long, forked, and hang downward. In their youth the former serve as reservoirs, the water being held by a network of fibres; in later years, when the leaves have decayed, these containers serve as collectors of humus. Then the decayed leaves are completely immeshed with rhizoids which take up all available constituents which may be left or which may have been deposited by wind or rain. The protective leaves produce the spores, which develop like those of other ferns.

A few climbing ferns, as the Lygodium japonicum, are also known. These vines have winding and forked stems which do not climb very high. For this reason they are especially adapted for the window garden where they make a very pleasing appearance. But if this Japanese climbing fern is kept too dry, it will suffer from an attack of a tiny beetle, the thrips. In this case the vine is quite easily killed by spraying with arsenical, after which the fern will force new shoots.

D. E. BADE.

BRACING TREES

FRUIT trees are pruned and trained to produce a strong, sturdy frame to resist wind pressure and to support a load of fruit.

The correct principle is known to every fruit grower, but often one cannot visualize the result. Accidents will happen or a branch will not develop as was expected.

It is an easy matter to correct these faults, to make weak branches strong or to support branches heavily laden with fruit if certain fundamental principles are remembered.

Never put a wire or band around the trunk or branch of a tree. The sap runs up and down the inner bark, consequently as the tree grows it tightens the wire which chokes the branch and cuts through it.

The proper way to strengthen large branches that form the head of the tree is to bore a hole through the trunk or branch and insert an iron rod, with an eye on one end, through the hole. Cut away the bark around the bolt enough to put on a washer and a nut and screw it up tight. In a few years new bark will grow over the nut and around the eye so that the branch will not be injured in the least.

When the bolt has been put on opposite limbs that need bracing, a strong chain may be fastened in the eyes and the branches are thus held securely in place.

If three or more branches form the head they may all be held in this way by putting a ring in the center and running a chain from each branch to the central ring, being careful that the weight is evenly distributed.

The two ways to brace fruit trees having long flexible branches that are weakened by the weight of the fruit, are:

1. A pole is placed in an upright position in the center of the tree against the main trunk, to which it is fastened. A rope is tied to each of the branches that need bracing and fastened to the central pole, thus drawing them up to the proper position. It will look somewhat like a May-pole when finished.

2. Poles are cut the proper length and used as props extending from the ground to the branches, which are thus raised to the proper position.

ALFRED T. WILDER.
Peonies and Iris

For a third of a century we have specialized in high production on two early summer flowers best suited for garden and home beautification—the Peony and the Iris. We have widened our efforts to the best standard of varieties known to the Peony fancier—varieties of quality, the sure-to-bloom, large flowering kind, full of life and vigor, with a strong, hardy, well-developed root and eye system. We have established an enviable reputation for superior quality in the production of these better varieties and our unusual service to our customers has proven most helpful to Peony and Iris growers. Our recognized leadership in quality production is based upon experience and a love for flowers. Our judgment as to the most desirable varieties has been thoroughly confirmed by the rating ballot of both the Peony and Iris Societies, which are included in our descriptions. Our confidence is supported by assuring satisfied customers of long standing sending us repeat orders yearly. Order now to assure varieties wanted and plan to plant at the proper season.

A special word should be spoken about our tall, bearded Iris, our tall, bearded Iris, our tall, bearded Iris. It is one of many of them delightfully fragrant. They grow well in any soil, but do not do equally well in all locations.

PETERSON’S Master List of Iris

will help you in the selection of those wonderful flowers, classifying colors, seasonal blooming periods, and fully describing each kind and variety.

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Iris shipped after July 1st; Peonies after September 1st; orders for one-year Peony division must be received before October 1st. Peterson’s way to success is described in our new book containing as applied to both Peonies and Iris, states emphatically

PETERSON’S UNIQUE GUARANTEE

including a large list of single and

PETERSON’S Master List of Peonies and Iris

Illustrating the wonderful combination of color possibilities in Peonies and Iris, and fully describing each kind and variety.

The Double Rotary Sprinkler, constructed on a new and improved principle of efficiency, has won the approval of particular home owners and landscape architects in all parts of the country. It sprinkles more level, more uniformly, and more evenly than any other sprinkler on the market. It is self-operating, built to serve many seasons.

PLANT EVERGREENS

You enjoy the beauties of the evergreen, the fragrance of the flowers, the shade of their leaves. The Hicks system of transplanting and root pruning and the invention of machinery for transplanting has won the approval of landscape architects in all parts of the country. It sprinkles more level, more uniformly, and more evenly than any other sprinkler on the market. It is self-operating, built to serve many seasons.

WHAT YOU CAN DO IN JULY

A Personal Message from Henry Hicks

Sweater or Enjoy Cool Shade

With your place was beautiful? Why not have it so?

To have big trees you thought it was necessary to have your father plant them; it is not necessary to plant in spring or fall. We have planted thousands of trees in the summer and they have grown better than those planted in spring and fall. Why? Because we have invented and trained men to do it right. Back in 1888 we started to grow them to give you time. They have been grown wide apart, root pruned and transplanted to be in the best possible condition for you. Recently we have developed and perfected the art of summer transplanting. Will you be the first in your neighborhood to take advantage of it?

SOLVAY GRANULATED CALCIUM CHLORIDE

immediately works into the road incorporating with the top course and binding it compactly. It is odorless, colorless and without effect on tiles or shoes. SOLVAY may be purchased in a small quantity and is easy for the caretaker or owner to handle. No special equipment is required to apply it. The fact that its use eliminates weeds from the roads and walks adds to the general appearance of the grounds.

Write for our new Illustrated Booklet

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The Double Rotary Sprinkler

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PLANT EVERGREENS

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HICKS NURSERIES

(Mention House & Garden)

Westbury, Box R., Long Island, New York.

DO IN JULY

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WHAT YOU CAN DO IN JULY

A Personal Message from Henry Hicks

Sweater or Enjoy Cool Shade

With your place was beautiful? Why not have it so?

To have big trees you thought it was necessary to have your father plant them; it is not necessary to plant in spring or fall. We have planted thousands of trees in the summer and they have grown better than those planted in spring and fall. Why? Because we have invented and trained men to do it right. Back in 1888 we started to grow them to give you time. They have been grown wide apart, root pruned and transplanted to be in the best possible condition for you. Recently we have developed and perfected the art of summer transplanting. Will you be the first in your neighborhood to take advantage of it?
An Announcement and Invitation to Rose Lovers

During the first week of July (not June) our roses in the fields will, if the season continues normal, reach their highest height of bloom, and this year we shall have the greatest showing of its kind ever seen in this country.

The blooms will appear on plants maturing for next Fall and Spring sales. (By the way, have you ever tried Fall planting of field-grown roses? Practically all large and experienced amateur planters now prefer the Fall season).

Come and enjoy this great treat with us whether you intend to plant or not—it will prove a revelation to you.

If you request to be specially notified just when the flowers are reaching their maximum of show, we shall take pleasure in complying with such request and at the same time send you detailed directions on how to get to Fair Lawn and the rose field and gardens.

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Rose and Peony Specialist
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Don't tolerate it any longer! You can dry up the water that is seeping through the walls and floor of your concrete basement quickly and permanently.

Hard-n-tyte, the moisture-proof concrete hardener, closes the pores of concrete and makes it as dry as a bone. Doesn't alter the color in any way.

Simply wash the walls and floor with the Hard-n-tyte solution, in accordance with instructions which we send you. Anyone who can use a broom or a mop can do the job but you can not fill up cracks in concrete or plaster with Hard-n-tyte.

Hard-n-tyte is sold in 10 lb. packages only. 10 pounds is sufficient to treat about 400 square feet and its cost is $7.50. Send us your check for the amount required. If Hard-n-tyte doesn't dry up your basement, your money will be refunded!

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Do you like the big gay metropolitan hotel, or the quietly exclusive hotel, tucked away on a side street?

Whichever type you prefer, we know where the best ones are. And, if you care to write us, we'll not only give you a list of names, but we'll add a card of introduction so that you'll be well taken care of. And there won't be any charge for the service.

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There's no longer the slightest need of feeling ashamed of your freckles, as Othine—double strength—is guaranteed to remove these blemishes.

Simply get an ounce of Othine—double strength—from any druggist and apply a little of it every morning and night and you will soon see that even the worst freckles have begun to disappear, while the lighter ones have vanished entirely. It is seldom that more than an ounce is needed to completely clear the skin and gain a beautiful clear complexion.

Be sure to ask for the double strength Othine as this is sold under guarantee of money back if it fails to remove freckles.
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No matter how hard, how unsatisfactory your present water supply is, a Permutit Water Softener will give you a steady flow of delightful, soft water from every faucet in your house for about 5 cents per day. It is entirely automatic, with nothing to get out of order. No chemicals are used and it operates on regular city pressure without any additional pumps or motors.

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Anybody'd be proud to be seen at the other end of their leads. They don't have to pull the baby out of the well, or rescue the cat's kittens when the house is on fire.

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Personal preference may be exercised in the matter of finish. Unfinished pieces will be supplied if desired. Hand decorated work of unusual beauty executed—either on colonial or modern furniture.

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in your home are not equaled by any other single type of window on the market, and will add a touch of beauty, comfort and convenience that will distinguish yours from any other home.

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Double hung simplicity. Factory assembly as a guarantee of quality. Any partial shading arrangement. Any degree of ventilation from a mere crack top and bottom to the full 100% opening. Disappearing sash which does not extend into the room, nor stand out in the wind, nor interfere with screens. Reversible, double sliding end-grain metal frame, copper-bronze cloth fly screens cover the full opening and disappear at a touch into the window pocket. Window cleaning on both sides of the sash from inside. Use room without interference with or damage to screening, and without resort to special hardware or operating directions. Zero draft when closed due to efficient copper weather-stripping — easy operation — perfect silence. Delivered from factory complete, glass fitted, hung, weather-stripped, boxed and guaranteed ready to set in the wall. Investigate the many advantages of Lunken Windows before planning new buildings. Give us the privilege of sending complete and detailed information. Write to-day.

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Music for dancing, played by masters of that difficult art, is instantly at the command of any owner of the AMPICO—for it re-enacts their playing with the same perfection with which it re-enacts and immortalizes the playing of Rachmaninoff.

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Every year an appalling number of beautiful trees die needlessly—victims of neglect. Disease, decay, insect enemies are ever at work; fatal structural weaknesses are a constant menace. Put your mind at rest about your trees now. Davey Tree Surgeons are near you—if you live between Boston and Kansas City. They are easily available and handle operations of any size, large or small. A letter or wire to Kent, Ohio, will bring our local representative promptly.

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