Whether you believe it or not—

Jule Spottsford
Is That Kind

You know how kind of catty some women can be who always call you "Dear." Well, Jule Spottsford is that kind. When I was serving refreshments, and there was a fitting lull in the conversation, Jule putting on her most buttery voice said, not too loudly, but just loud enough so nobody could miss it—"I hear you do not intend staying in the Witching House all winter. Won't you find boarding in Portland rather tame after all this gloriousness? What a wrench it will be to leave all these perfectly lovely things." Replying to which, I simply asked how many lumps of sugar she had in her tea.

That night I told Jim about it. For a while he sat with his head back, blowing an unbelievable number of smoke rings. Finally he blurted out: "Say, Bess, why can't we stay here this winter? The old house is built so well, it's snug and tight. Suppose it does cost us $900, or even $1000 to put in a heating system, what of it? Who wants to go in town and board anyway? Had my necktie full of boarding, before we were married." And so there followed several evenings of—

To know what followed those several evenings, send for The Witching House Bookie. It's a folksy tale written in truth, by a man and his wife—mostly his wife. It has a lot of home making tanglements, but it ends in contentments—especially heat-wise. Send for it.

And Speaking of Contentments
Let's Speak of This Burnham Now Jacketed In Colors

Say what you will, the little old cellar certainly does perk up when the boiler puts color in its cheeks and looks as rosy, as the heat it gives, makes you cozy. This Burnham has many points not pointable-to in other jacketed boilers. Mainly, it's not all doled up just to please the eye. It was first of all made to please the pocket-book, by its fuel thriftiness, and heat contentment. After which we garbed it in an insulated jacket of baked-on enameled steel. All of which is just another reason for sending for The Witching House Book.
THE AMERICAN HOME

How We

Aid in Home Making

In looking back over this first six months of the life of this magazine it is interesting to see just what we have done to promote the building, furnishing and equipping of livable homes; and also to visualize what we are planning to do in the months to come.

In the first place we have secured unusual house plans at a very low cost, houses so attractive that they are now being built as "American Homes" in several communities. We have secured blue prints and specifications of these at a nominal cost quite within the range of the limited budget. Supplementing this service, our architectural department has answered fully and completely (and will continue to answer) every question pertaining to building or construction, giving expert advice.

For the garden, we have secured plans for every type of garden, have published simple explicit cultural articles, and have a Garden Service that without charge will answer every question about the garden, will send free constitutions and programs to garden clubs, and aid with the observance of National Garden Week.

On our decorating staff are some of New York's best known decorators and household efficiency experts. Through this department all questions on decoration, furnishing, color schemes and labor saving equipment are answered fully and completely (and will continue to answer) every question pertaining to building or construction, giving expert advice. 

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Do you wish to remodel your house, or refurnish it? Do you want to know why walls crack and fireplaces smoke? Do you need information about making and keeping it dry? Do you need information about mechanical refrigerators or electric labor savers—this information is yours for the asking.

Do you wish to buy a new rug, a chair, a lamp? Then we will help you through this service.

Do you wish to know what pictures to put on your walls, how to frame and hang them? Miss Weber, a noted lecturer and authority on this, will tell you. Do you wish to remodel your house, or refurnish it? Do you want to know why walls crack and fireplaces smoke? Do you need information about mechanical refrigerators or electric labor savers—this information is yours for the asking.

A service of joy this has been and will continue to be, a helping hand to the making of better homes, happier home life and, consequently, better citizenship.

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

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

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

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

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

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

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The "Woburn" Elizabethan dining suite shown is completely illustrated in an attractive folder. May we send you a copy together with other interesting booklets on Period Furniture, with name of nearest dealers? Kittinger Company, Dept. 22, Elmwood Avenue, Buffalo, N. Y.

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- Los Angeles: At Factory, Goodrich Blvd.

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WHERE NATURE HAS LENT A HELPING HAND

Nothing is more restful than informal design in a garden. Here the canvas already held a lovely picture—a winding stream, shrubs and trees, the beauty of uncut grasses, needing but the flowering bank to be complete. We may not have this setting, ours may be a small city garden or suburban plot, but even so we can leave something to suggest informality and nature's touch.
The Connecticut tradition in revival

A small house in the Farmington tradition
designed by Leigh French, Jr.

HAROLD DONALDSON EBERLEIN

To anyone who is in the least sensitive to the qualities of domestic architecture, the early Connecticut type of house never fails to make a strong appeal. Even though his own personal preference may be for something of altogether different character, nevertheless he recognizes and willingly admits the genuine charm that seems to be as inseparably a part of the early Connecticut house as is the grin of the Cheshire cat in Alice in Wonderland.

The appeal of this kind of house is inevitable because it is so sane and so direct. It is not a thing that must be sought out and subtly perceived; it is perfectly patent at first glance. The colonists were confronted with certain simple but very definite requirements in the way of constructing dwellings for themselves in a new land. They were likewise closely limited in the resources they had at their command. The early Connecticut type of house was the immediate product then, of these two factors—requirements and resources.

The dwellings built by the colonists were absolutely straightforward in their solution of the problem presented. That is why they are so convincing. The type evolved was so fundamentally adequate and right that it had the quality of permanence. What fulfilled the needs of the occasion then, equally well, as a type,
fulfills the needs of to-day. The species is so transparently logical that it needs no apology for its perpetuation.

The materials at the disposal of the early Connecticut builders were wood and stone and plaster or mortar. Wood, therefore, they used for the timbers with which the house was framed; wood for the weather-boarding or clapboards, with which they covered the sides; wood for the shingles they put on the roof; and wood for the floors. Stone, though plentiful everywhere throughout the region, was not of a sort that lent itself kindly to the building of house walls. The boulders were hard to split and, besides, in the cold, damp winters, wooden houses were dryer and warmer. Stone, therefore, for the most part, was confined to building foundations, fireplaces and chimneys. Mortar and plaster were more or less difficult to come by; plaster, therefore, was not employed for coating the walls of the more important rooms, or the dividing partitions, whenever a more comely way of treating them could be found. That more comely way (and sometimes more convenient way) lay in using wood sheathing or boarding for partitions to a great extent for the walls of the better rooms. Sometimes for the ceilings also, wood panelling was put in, the detail of which was of the same character as the panelling of the old doors that have been made familiar by numerous illustrations.

When brick later became more readily available, it was sometimes used for chimney stacks as well as for hearth paving, but stone for chimney building always remained in favor. The earlier windows had leaded casements with small diamond or lozenge-shaped panes of glass. Fairly early in the eighteenth century, larger panes of glass, some of it of American manufacture, were obtainable, and with the larger glass came the double-hung sash windows. As a rule the older casement windows were gradually changed to double-hung sash windows, the original openings being made narrower and higher to accord with the new style.

It was the most natural thing in the world that the early colonists should continue in the new land the methods of building to which they had been accustomed, and which they understood, in the Mother Country. That is, they continued the old methods so far as they were able, making only such changes and modifications as were dictated by local conditions. That is why the building of those days still exhibits a distinctly medieval flavor reminiscent of still earlier usage in England. It was the process of change and modification, rendered imperative by local limitations, that evolved a distinct type that is truly Colonial, and not to be confounded with what people so often wrongly call "Colonial," which is really Georgian. The fitness of this evolved type to the demands made of it, and its thorough assimilation to environment, have given it enduring vitality and justified its continuance as a mode just as appropriate now as it was when it first came into being.

The little house at Farmington that forms the subject (continued on page 546)
How we built our house

Part I—why we decided to build
and what we did first

As I suppose is the case with all young married couples, we began to plan a house as soon as we were married and we got a lot of fun out of it. But, although I was well established, I was not making much more than we needed to live on, and the actual building of the house seemed a long way off. As things happened, though, it came much sooner than we expected.

Five years ago, when our youngster was two, we found that we would have to give up our apartment, and began a search for other quarters, the price limit being the $150 a month that our budget allowed for shelter. We were in a suburb and wanted to stay there. We had seen apartment houses going up in all directions, and it did not occur to us that there would be any more to our hunt than finding a place that suited, and then signing the lease. It took us about one day to learn how wrong we were, for there was nothing that we wanted at less than twice what we could pay.

Not being able to get an apartment the next alternative was renting a house; but this did not appeal to us from any point of view, and the more we thought of it the less we liked it. Prices were high and there was very little choice; but our principal objection was that at the end of the year there would be absolutely nothing to show for the money spent but a collection of receipted rent bills. We figured that if we were going to be involved in a house we would be better off owning it, although it meant more responsibilities and called for a complete shift in all of our plans and ideas.

I had never had any personal experience in real estate transactions, but had absorbed some ideas and general principles from my lawyer-father, who had specialized in them. We talked these over with our minds made up on one definite point: that we could look far enough ahead to know that we were not ready to settle down permanently, and that any house that we bought should be of a kind that we could sell in a hurry and without loss of value. In other words, it should be in the same investment class as a good short term bond.

I certainly would not buy securities without being reasonably sure that they would continue to be worth what I paid for them, and I felt exactly the same about buying real (continued on page 561)
Charm and good taste mark this room furnished to the last detail for the comfort of the chance guest, with dressing table completely equipped, books, work basket, easy chair, good lighting and even wood ready for the fire.

**Guest room trifles**

The little things that make for hospitality and comfort

**BARBARA DENHOLM**

Once upon a time I went visiting. It was neither my first nor my last experience in the gentle art of being a guest, but it was one which I shall long remember. I arrived at my hostess's home just before luncheon and was shown to my room where I hastened to remove the inevitable piece of soot from the tip of my nose, and to put my travel-worn self to rights. The guest room was, I noted from the corner of my soapy eye, a gem of lavender and green loveliness. There was a soft, squaishy rug, comfortable boudoir chairs placed near shaded lamps, a pillow-strewn chaise longue, all the comforts of home—except, could it possibly be, no nail file? (continued on page 536)
The story of a changed room

These "before and after" photographs point a moral for you to heed

MARJORIE LAWRENCE

SUBSTITUTE the word "house" for "shoe," "belongings" for "children," and replace the mysterious old lady by the more definite Mrs. A. or B. of your acquaintance, and very probably you have expressed what is wrong with many a home picture. Overcrowded rooms are a direct result of the acquisitive instinct inherited from our predatory ancestors. We hate to part with our possessions, and we add to our store with a ruthless disregard for such furniture as we have and must retain.

The best illustration of the fine art of elimination which I ever encountered was in the home of a delightful old lady who had managed to accumulate the very best and the very worst of the Victorian era under her roof. She was a strong-minded person, and she loved her things for the associations they conveyed to her. Tactful suggestions fell on deaf ears, and her friends and relatives had grown almost resigned to the indiscriminate mixture of good and bad that comprised her surroundings. Then the miracle happened!

A favorite granddaughter grew up and took matters into her capable young hands. Almost overnight, the old lady's living room changed from the ugliest of rooms to one of the most charming. A horde of coy marble ladies and muscular bronze men were evicted from corners where they had dwelt for many years. A row of dubious paintings in enormous gilded frames shrank to three—two ancestors reframed in heavy dark wood, and a small, sunlit landscape. A large quantity of bric-a-brac simply disappeared. Photographs of the family which had been liberally scattered about on every available table were banished. Very little was done in the way of buying new furniture, except where several small tables replaced the old cumbersome pieces. In fact, "elimination" was the form which her decorating took. She reduced the furniture in quantity to about half the amount that had occupied the same floor space before. The good pieces, which had lost caste in the previous jumble, assumed their own natural importance again. A quaint Victorian sofa which had been covered in ugly red plush was re-upholstered in a delightful cotton damask, soft apricot in tone. An overstuffed (continued on page 558)
The fundamentals of a playroom actually designed for a child are here in the small lightweight rugs, sturdy furniture and uncluttered spaces.

The child’s own room for play and work

Forego “decoration” and make this really a room planned and furnished for the child himself.

In fixing up a nursery, there is really only one principle to supply: make it a child’s world. This means a room where children can play without constant admonitions. You need a strong, simple, uncluttered room in which children can enjoy themselves, a room that will survive pictures drawn on the walls with wet fingers or with chalk, and floor scratches by kiddie-cars pulled along upside down. Your nursery, to be a real child’s world, must contain furniture that can stand up under the roughest kind of treatment. You never know when a table turned legs-up will suddenly become a boat, or when two chairs in a line may be a freight train. Unless children are free to play roughly, naturally and imaginatively in this room, it is not a real nursery!

The hardest thing in the world, it seems, is for parents to resist “decorating” a nursery with ornately painted furniture, Mother Goose friezes, representing an adult’s conception of pictures that interest children, or with satin and lace crib covers. In other words, the mistake many mothers make in fixing up a nursery is to apply their own mature, cultured standards of what is interesting to children. They forget that children’s tastes are natural, primitive and undeveloped; that children like bright, elementary colors, clear, simple lines; that they are little savages in their direct appreciation of what is interesting and beautiful.

Grown-ups are so likely to concentrate their attention on the background—walls, friezes, curtains, rugs, and, casually (just because it is a nursery), to include playthings. They forget that children are much less interested in backgrounds than in play material. What you put into a nursery—not how you decorate it—interests children. True, they are attracted by bright, cheerful surroundings, but they are really much more interested in play equipment than they are in curtains. Give a child a choice between an almost bare room that contains interesting, well chosen material for “working” (to children, play is work; they take it very seriously), and a fussy pink-and-lace nursery, and you will quickly see which he prefers.

Visit some of the modern experimental schools which represent the last word in present-day appreciation of child psychology, and you will see this concretely illustrated. You do not find pictures of Mother Goose, of birds and flowers, or adult drawings of the Cow That Jumped Over the Moon; neither is there delicately enamelled furniture decorated with painted flowers. You see bright, attractive, sunny rooms with plain walls, simple curtains, and with no real attempt at decoration. If there are flowers, they...
are natural. Real birds are singing cheerily. The children's furniture and work materials supply a sufficiently decorative note. When playthings are correctly chosen, they are bright, gay and colorful.

Appreciating this tendency on the part of modern child educators to subordinate decorations, I have restrained myself many times in fixing up our nursery. Every time I am inclined to think that the walls seem bare, or the general effect is to empty, I ask myself: "Have the children ever complained about it? Don't they become absorbed in play the moment they enter the nursery?" After all, is that not the true test of a good nursery?

T may seem undecorated, according to my adult standards, but to children who come to our house to play, children from elaborate homes and conventionally "cute" nurseries, our big room seems to be the most fascinating place in the world. Many mothers ask me what we have in our home that makes all the youngsters beg to be allowed to play there on rainy days. It is hard to explain, yet I know that it is because, in planning this room, we subordinated decorations and concentrated on interesting play equipment. Moreover, there is nothing in this nursery that can be hurt or broken in normal play activity. No youngster is ever told "don't touch" or warned: "Look out, you're getting clay all over the table." Here is a child's world with children's material, scaled to a child's proportions.

The nursery itself is briefly described: the walls are painted a dull, flat finished apple green. I chose wall paint after sad experiences with other types of wall finishes that come off when children wet their fingers and draw on the wall. Obviously, everything in a nursery must be impervious to water and wetting, so that in selecting floor coverings, I found these benches too large for nursery use, but because we considered shelves. Playthings in a toybox are apt to be thrown in carelessly, and the result is an untidy, mixed jumble that children simply toss out, when seeking a particular toy. Shelves, on the other hand, keep playthings in plain view, and are easy for the children to keep in order, and enable a child to find a favorite toy quickly and easily.

A local carpenter made our shelves; he supplied the lumber, too, all at a total cost of ten dollars. I painted the shelves apple green with Chinese red edges. Two pots of red geraniums on the shelves are attractive, and, incidentally, are kept watered by the children as part of their home responsibility. This applies, too, to feeding the fish in the little aquarium at one end of the nursery.

These shelves for toys prove almost indispensable because they hold the solid wooden blocks which form such an important part of any modern nursery's play equipment. Incidentally, these solid blocks, if bought in sets at toy stores are extremely expensive. I purchased our set at very low cost from a local shop. One of the modern experimental schools supplied the name and address of this wood-working shop.

It is hard to find strong nursery furniture. I solved the problem by buying kindergarten chairs and tables. I purchased the little table shown here, in plain varnish finish, at a local department store for $1.98. Its legs fold under, so that the table can be put aside when more space is needed. The children like to turn the table upside down and to open and close the legs when playing boat. The little plain chair I bought, also in varnish finish, for $1.39. I painted both chair and table bright red. The other little Windsor arm chair is apple green.

Modern educators insist that our children be given every opportunity for creative activities and for self expression in drawing and painting. For this, they consider an easel important. I had a local carpenter make our easel for five dollars. It is held firm, when opened, by means of long hooks, and is painted red. The little shelf in front is partitioned, to hold jars of liquid paint, one division for each of the primary colors.

Children need opportunity to do creative work with their hands, and specifically, the modern schools recommend woodworking, using real full-sized tools. In most schools, a wood-working bench is part of the equipment but because we found these benches too large for nursery use, we have tools available, and the children work at the table or on the floor. To keep carpentry tools in systematic order and conveniently at hand, I fastened a thick board to the wall, and screwed brass cup hooks in it, on which various tools are hung. These are all full-sized carpenter's (continued on page 562)

So much for actual background. The play equipment is perhaps the most interesting part, and actually, it produces the bright, natural effect of a child's world that many adults so admire in our nursery. First, we have eliminated the old-fashioned toy box and have substituted shelves. Playthings in a toybox are apt to be thrown in carelessly, and the result is an untidy, mixed jumble that children simply toss out, when seeking a particular toy. Shelves, on the other hand, keep playthings in plain view, are easy for the children to keep in order, and enable a child to find a favorite toy quickly and easily.

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Steep pitched gables interestingly arranged give this house a decided yet pleasing character. Casement window-owen well placed in plain stucco walls, relieved with shutters and the whole crowned with a roof of pleasing texture give an ensemble that will not grow tiresome as the years go by, the house costing $14,500.

AN ENGLISH TYPE COTTAGE
At Great Neck, Long Island

BY R. C. HUNTER & BRO., Architects
Fitting a garden to the house

The home shown on facing page is placed on a corner lot and planting details with costs given

The plan given offers one way of solving the riddle of what to do with the bare level plot where the house is already placed. A corner lot is chosen as giving an easier handling of the garage. All of the boundaries are planted with a double row of Privet hedge or other heavy shrubbery, to insure the necessary privacy.

The long low house of sloping roof line and many gables lies across the lot from east to west, with kitchen, service yard and garage facing the side road on the east, thus giving the living room and sunporch the most favorable lookout and exposure.

The foundation planting is of the native Rhododendron maximum, the hardiest and least expensive kind of these delightful evergreens. Where the ground has been deeply dug and plenty of leaf mold added, this broadleaved evergreen can be depended on. A Red Cedar at the end of the porch breaks the even line with a column of dark green. One Pin Oak in the northeast angle and three Dogwoods in the northwest corner add an element of height to the planting.

By a skillful use of enclosure all of the remainder of the property is made into one large garden room. On the eastern side a five foot picket fence serves the double purpose of enclosing the garden and shutting off the children's playground and small vegetable or picking garden. This fence may be covered with Grape-vines or Climbing Roses, according to individual fancy.

Two simple straight flower borders, each five feet in width, lead out from the house with a ten foot panel of grass between. If a more open lawn be desired the central border might be omitted. They are seen in perspective from the windows of the sunporch, their gay, sunny spaces, full of riotous color, contrasting with the cool shadows of the rose arbor and the quiet restfulness of the retreat under the spreading Silver Maple tree.

(continued on page 634)
Stucco houses of Spanish or Italian inspiration are suited to many parts of America especially in the South and West. Here is a little home, with interesting floor plans, of distinctly Mediterranean influence. Of warm stucco, it costs but $12,500. A distinct achievement in these days of high building costs.

AN OUT OF THE ORDINARY STUCCO
HOUSE FOR $12,500

Designed by SCHULTZ & WARRINER
THE HOUSE OF MANY GABLES

Especially designed for The American Home by

LAWRENCE VISSCHER BOYD, Architect

Of English antecedents this little house with its many gables has a rare air of friendliness and charm. The wide casement windows, with the arched brickwork above, the deep embrasured door with the room above are interesting and distinctive features. The porch across the rear of the house has long French windows and doors from living room, the rear hall and dining room open on to it, the whole facing the garden.
PUBLIC taste at the present is one of indecision regarding stenciled floors. Here is a field for the moderate but appropriate application of color and design to floors, which has not been elaborated as yet into a generally accepted classification, but which has much to recommend it, on practical as well as artistic grounds.

Linoleums have taken unto themselves new designs and colors, and have grown into the artistic class of floor coverings. The heavier linoleums, in plain colors, are also being utilized in combinations for inlaid designs. Many extreme modernists among the designers are loudly acclaiming the virtues of the "all-over" design in carpets, and are exhibiting astounding new patterns of such striking character that you never could take your mind off the floor in a room carpeted by some of them.

Now with stenciled floors, the problem is altogether different. In the first place, let us get away entirely from the all-over idea, however acceptable that may be in certain mediums. For the proper use of the stenciled design should be confined, as a rule, to a carefully calculated border and an equally well considered center design. From the standpoint of decorative value such floor treatment is an easy and economical way to arrive at what may be a distinct artistic triumph, through the introduction of design, color contrast, and balance, in logical proportions, as in the illustrations, showing a hallway with decorated floor in star design, a design frequently met with. (See end of article)

In seeking to use this new style of decoration in your own home, we will suppose, for example, that you have a rather small entrance hall. You have no rug that exactly suits your color plan and harmonizes with the rest of the hall furnishings. Or, what is even more likely, the rug in the hall is always getting kicked about, or backing up to be in the way of an opening door and otherwise acting temperamental. There would apparently be more room and possibly more comfort with a bare floor. But not too bare! Here is where the stencil idea can be set to work.

Paint your floor a rich black, which, by the way, is very smart just now. The star in the center, either elongated or circular according to the shape and size of your hall (this is extremely important) could be painted in a delightful mandarin red. If this color suggestion does not answer your purpose or sounds too lively, then perhaps you would prefer a battleship gray for the all-over color, with the center star of black. Or you could paint the floor (continued on page 552)
What to look for when you buy or build

The important questions of cellar and foundations and what the purchaser must insist upon

R. S. TILDEN

An important item usually overlooked is the necessity of foundations extending below the frost line. Neglect to place them deeply enough to avoid frost action may result in serious consequences. In northern areas a depth of six feet is often required for safety, although in most sections four feet below grade is considered enough. The depth required for your particular locality may be ascertained from any responsible builder.

Foundations are almost universally of masonry. Stone, brick and concrete are the materials most popular, although hollow units such as tile and concrete blocks and hollow walls of brick are used in some sections. The footings, or footing course, as it is sometimes called, is usually of poured concrete, although both stone and brick are used in some localities.

Stone, as used in foundations, is almost always what is called rubble masonry, and is made up of irregularly shaped stones laid in mortar. It is customary to build rubble walls 16 inches thick, up to the first floor, with footings 6 inches wider on each side, or 28 inches. In bungalows or small houses it may be possible to decrease these widths to 12 inches and 20 inches respectively, but the greater widths are recommended for general use.

Foundations of brick, probably the most popular material in Colonial days, are coming back again in some localities. These are laid in mortar, as is stone. As brick, due to its regularity, is easier to lay to a line, and as it is customary to build foundations of either 8 inch or 12 inch thickness, the amount of excavation is less than that required for stone walls. The regularity of brick makes it easier to be certain of a solid wall, and the strength of the units is more nearly uniform. These may be some of the reasons for its growing popularity. Wall thicknesses, in most cases, need not be greater than that of the wall above. For example, if the house has 8 inch brick walls, usually 8 inch foundation walls and 16 inch footings will suffice. If 12 inch walls above, use 12 inch foundation walls and 24 inch footings. For frame houses 8 inch walls and 16 inch footings should be wide enough in most cases. It must be remembered that the wall thicknesses mentioned for brick, as well as all other materials, are for average conditions. If ground conditions are not good, wall thicknesses may have to be increased and footing widths almost surely will, as the footing must be wide enough to properly distribute the load.

Concrete, the poured, variety, has been extensively used in recent years for residence foundations, and if properly handled makes a first class job. Probably a safe mixture for house foundation concrete is one part of cement, three parts of sand and five parts of crushed stone or gravel. The aggregate (sand and stone) must be free from vegetable and other foreign matter, and the water from salt or other impurities.

Hollow units, or hollow walls of solid units such as brick, are used in some localities but many building codes require solid walls for foundations or that hollow walls be filled solid.

Personally, I prefer solid walls, but where dry soil with (continued on page 566)
HARDWARE OF COLONIAL DAYS

Drawn for The American Home

BY J. I. ARNOLD

Housing your books

New shelves, tables and cases that are useful and decorative

MARGARET HARMON

BOOKS" and "home" are indissolubly united in the minds of most people. Indoors on snowy evenings, on warm summer days in the shaded swing, in bed at night when sleep is elusive, they are staunch, reliable friends. Such friends as these should be made to feel at home. They should be housed with loving care and one should find room to accommodate them at all costs.

Unfortunately, for many of us the placing of books is a real problem, owing to the limited space in which we live. I know of one omnivorous reader who keeps his treasures in a dark closet because they are old and shabby and his wife claims that they spoil the living room. If we can have our favorites rebound when they look really disreputable, we are fortunate, but a moderately worn appearance lends flavor to a book.

If you want your books around you, you must have proper receptacles for them. While the (continued on page 566)
Modern reflectors

Mirrors that contribute life and light to the room

GRACE L. DAGGETT

No matter how dull and lifeless a room may be, the introduction of a mirror will bring about a transformation. Its gleaming lights create all sorts of bewildering illusions and the room becomes enlarged. It must be reckoned with as a live factor in decorating a room and can be a powerful friend or foe, according to its reflections. Cruel in its clear reflections it often exaggerates proportions and will call attention to defects, emphasizing and repeating whatever is placed within its scope. What a body of water does for a landscape, a mirror does for a room, contributing light and life with its constantly varying glimmerings.

By adroit hanging, the mirror is given an opportunity to perform a definite function. If the room (continued on page 572)
THROUGH THE MODERN LOOKING GLASS

Drawn for The American Home

BY LURELLE GUILD

Old frames and designs as well as the oddly shaped new forms have made of these mirrors not merely useful reflectors but decorative bits of furniture.
Furnishing the combination room

Where space is limited furnishings must be especially carefully chosen and attention paid to color and balance.

NEW things for the home, a multitude of them all through the stores, and many of them are lovely. But when you sleep, eat, and entertain in one room, as many must do nowadays, careful selection becomes a paramount necessity. It may be that you are a business woman living in a city one-room apartment, or a "roomer" in a small city or suburb. Often the little householder in the suburbs has the same problem, for every foot of space means money in rent or land cost. Therefore, the rooms are fewer than they would be under other conditions, and some of them have to do double duty as living room and bedroom.

The picture at the top illustrates several outstanding points worth our careful attention. It is a delightful setting, not inexpensive exactly, although far from being extravagant. But you can accomplish equally characteristic results with whatever you can afford to pay, provided the real decoration points underlying the things shown are clearly understood. That's the joy of it all. The mantel might disappear into fairyland; the sofa might become a simple deal table, the easy chair a wicker chair; yet if we were handling the room from the same understanding of character expression, as shown with these more expensive materials, we could have it, unquestionably, interesting and attractive.

In black and white reproduction, two points in our illustration stand out clearly. First, the two major furniture pieces are interesting in themselves. Whatever the rest of the room is they would give it style because they have style. If any room

(continued on page 375)
Modern Oriental rugs

The reason for the low prices of some of these floor coverings

FRED B. HALL and JOHN G. BECKER

There is an erroneous belief about Oriental rugs—that they are not meant for the purse of limited size, that there is not such an article as a "moderately priced Oriental rug." The contrary is true, however, and the wise and careful buyer can find such rugs in great variety of sizes and colorings.

But first, let us look at the story of Orientals in America and the West, and the cause of this lowered price.

The use of Oriental rugs as floor coverings in the Western World goes back to very ancient times, for the commerce of the Mediterranean was largely concerned with bringing to the West the textiles and metal handicrafts of the lands beyond the desert. It remained, however, for the Crusades to popularize Oriental products in the homes of the many common people who had made their pilgrimages to Assyria and brought back with them, in addition to holy zeal, great curiosity about Eastern manufactures and a desire for the enjoyment of the same comforts they had observed in Mohammedan countries. From that time on Oriental rugs formed one of the principal items of commerce between the East and West. These rugs brought to the markets of the world were usually considered merchandise only for the homes of wealth and power, and this general supposition has remained current even to the present time.

So far as Oriental rugs had penetrated into American house (continued on page 554)
ELECTRIC SERVANTS THAT WORK AT LOW COST

This waffle iron is a delightful adjunct to informal meals where it may well hold a place of honor at the table. ($9.95)

A small portable washer (right), self emptying, dries clothes by whirling motion. Capacity 3 shirts, comes in all colors. ($59.50)

Supplementing the well known floor polisher is this new vacuum cleaner for rugs, furniture and draperies. Easily handled, easily cleaned after using, it is also most economical to operate. ($89.50 with attachments)

Floor cleaning, waxing, and polishing is made easy and pleasant by this easily managed machine above. Its rotary brushes are electrically driven clean as well as polish. ($87.50)

Above is an excellent machine for the small apartment. Weighing less than 8 pounds, it is easily handled and is excellent for cleaning furniture, its small brushes readily getting into corners. ($40)
The big difference a few trees make

Old Scotch proverb: "Be aye stickin' in a tree, Jock; it'll be growin' when y' re sleepin'"

H. ROSSITER SNYDER

Did you ever see a blatant house? This is the kind which, beautiful or not in itself, stands in the middle of a bare field and shouts at the passerby. There are no trees around it. The shrubs have not been ordered. It is a human-made obstruction to a clear vision of the greensward. There is such a thing as being obtrusively honest, disagreeably frank when it comes to houses, just as with people.

Good landscaping demands that a home be designed to fit its site. Or, if the site be flat and bare, that the aspect of the land be changed with shrubs and trees to soften the hard corners, the edges and roof-lines, to make the home melt into the surroundings. To accomplish this one may fit the home to a landscape already existent, being careful to save a few good trees near the foundations, or may make a planting plan for the plot if none previously existed.

Growing trees upon a bare house lot seems offhand like a discouragingly slow process in these days of haste for results. But investigation proves that certain shrubs and trees much more rapidly grow than one would think. In one summer a lowly Castorbean, if properly nourished, will grow as high as fourteen feet with leaves measuring four feet long.

Common Privet demands attention as a fast-growing plant of exceeding ease of cultivation. With this again, the merest twig, plunged into the loose soil, will take root in no time and start a healthy growth. No handling gingerly or holding one's breath while these are planted. They are just as easy to start as sticking a cane into the sod. Privet will grow to considerable height if left untrimmed. It may be grown as a hedge, or singly. By planting two twigs side by side and faithfully trimming the resultant bush in a low, round shape, Privet may be made to resemble Boxwood so closely that passers-by comment on the "lovely old Box" in front of the house. Boxwood, with its scores of years for growth, is too slow for very many of us.

In the close-up photograph of a foundation planting, Van Houte Spirea is shown in bloom with Deutzia beside it. These are fast-growing shrubs, well worth consideration when we are attempting to make the home melt into the landscape. In choosing flowering shrubs for foundation work, it is well to select kinds that bloom successively through the season, rather than having the glory all at once, but of short duration. Goldenbell (Forsythia) is the earliest flowering shrub of this type. Foundations should not be entirely hidden by banks of (continued on page 624)
When Rose bloom is aplenty in the Baltimore garden of Mrs. R. D. Hopkins, Polyanthus around the sundial, large flowered Bush kinds beyond and Climbers drape the wall

First steps in rose love

Two score easy growing rugged varieties that will give you a real introduction to good kinds

CONSIDERING only Roses which bloom throughout the growing season, the “easy” Roses are those which grow most vigorously, bloom most continuously, and are least trouble to take care of.

The grower who keeps to this type must expect to do without the finest flowers. Highest quality never accompanies quantity production. It is a demonstrable fact that easy Roses cannot be best Roses, for nothing that is very easy is ever very good. But the novice who knows little or nothing about Roses will be satisfied with them until his sense of discrimination is aroused.

There are no ugly Roses. They always have a grace of form, a charm of color, which lifts them above all other flowers. But the charm that many of these easy Roses have vanishes quickly, leaving unattractive, shapeless or discolored flowers which must be cut off or endured until new buds replace them. Fortu-
An early indoor start with seeds

Taking you step by step through all the infant plant stages

ELLEN EDDY SHAW
Brooklyn Botanic Garden

The illustrations showing the progressive steps in raising young seedlings are reproduced by the courtesy of the Missouri Botanical Garden from its Bulletin.

LONG before you smell spring in the air and see green things in the ground you must start preparing for your outdoor garden. Before the frost has gone your seeds should be assembled and ready to start indoors. And when the time comes for the first seedling plants to go out, how happy one feels to have the material already grown at home!

It is possible to raise in your own home seedling plants just as good as you can buy of Tomato, Eggplant, Pepper, Larkspur, Panay, and Dianthus; other annuals, biennials and perennials may be started at the time this magazine reaches your home.

There is a little technique in this business of starting seedlings indoors which you should know about before proceeding. A great many people have the notion that starting seedlings in the house is a sloppy business and that every available spot, including the bathroom, will be overrun with boxes, pots, and tomato cans. But don't you believe it!

Choose a nice sunny window and give it up to plant propagation. Perhaps the window sill is wide enough; if not add a shelf; or if you have an available table it can be placed close to the window. Buy a big tray, or have one made, of zinc, about an inch or two in depth, which fits the place required. Fill this with pebbles and upon this pebble bench place the flats in which seeds are to be sown. The seeds to buy depend entirely upon the plants you wish to raise. No one can tell you beforehand just what you want to grow, although this might be said: Do not start the seeds of most annual plants indoors; they are likely to get very leggy before it is time to put them out.

Flats are the best possible containers for the seed. Flats are wooden boxes about three to four inches in depth, and any length or width you may choose to make them. I suggest not making them too large, but rather having several small ones. A good size for women is fourteen inches long, ten and (continued on page 626)
A really good Gladiolus for little money

Not fancy novelties, but a select couple of dozen well favored kinds that could be had for five dollars

ELIZABETH T. and JOHN R. LARUS

To help while away a few rainy afternoons, we selected fourteen gladiolus growers who, in our opinion, issued the most representative and complex catalogs, choosing them with due regard to location, so as to include at least one from each general section of our country. We then tabulated the varieties that each carried, and prepared a final list of those offered by at least three of these growers. Those 350 varieties may then be fairly considered the best known and easiest obtained of the thousands in existence. Unless one is a fancier, it should be from this list that most of his additions should come. The extreme novelties will not, of course, have yet found their way into it, but for those of us who wish in our garden the best of the established sorts, it should give a very clear guide.

Almost universally offered, we find the salmon pink Mrs. Leon Douglas, not a particularly new variety, but one which because of its size and grandeur commands instant attention. Mr. W. H. Phipps is another magnificent salmon pink, noted for the fact that it opens up simultaneously ten to fifteen huge blossoms, and also for the purity of its color. In the same general shade, Catharine Coleman gives an equally fine spike, more graceful and almost as showy.

In the pure pink color class, we find Longfellow and Giant Nymph the most popular. If restricted to one, Longfellow would be the choice.

Sweet Rose undoubtedly stands first among the rose pinks, its large rose to red throat enhancing its character and distinction.

In reds, it is hard to beat the old stand-by, Crimson Glow, still a consistent winner in shows, and a faithful performer in the garden.

Purple Glory has probably caused more discussion about its name than any other variety. Its color stands about midway between dark red and purple, but wherever you place it, it is worthy of inclusion in any list. Its ruffled petals add to its distinctiveness.

Great difficulty has been encountered in producing the blue shade in the Gladiolus. Advances are now being made, but so far there have been few outstanding varieties with anything approaching a clear blue tone. The so-called lavenders are quite "on the pink"; Mrs. Fred C. Peters is an exceptionally fine variety, but without this explanation could hardly pass for the lavender it is called. Its large throat mark is distinctive and harmonious.

Orange is another shade that needs qualification. Except for varieties showing the slender but more graceful growth introduced by primulinus blood, there is hardly a sort approaching spectrum orange. Lorice and Marnia,—quite different from each other,—are both good, the former tending
A little garden that looks big

The pictorial and practical value of emphasizing slightly changing levels

NORMAN K. MORSE
Landscape Architect

On a third descending level is a rose garden enclosed by a low wall

The most loveliest gardens, it seems to me, are those which descend by terraces from the house, or from the point of entrance. Each terrace is interesting in itself but forms a part of the garden scheme, which can be appreciated as a whole from the upper level, and also unfolds in interest and intimacy as we enter it.

In planning gardens it is not always possible to obtain this terraced effect, because the desirable location is so nearly level that there is no opportunity to change the grade. Levels are very deceiving, however, and a slope which may seem very gradual will often, on actual measurement, have interesting possibilities.

The garden of Mrs. Joseph Walton at St. Davids, in suburban Philadelphia, illustrates the opportunities on ground which seemed almost (continued on page 622)
The Grape stands preéminent for adaptability and general all-round use in the small garden, whether for fruit or ornament, or both.

Lots of fruit from little lots

Let’s get back to the old time habit of growing some really good fruit for the American home.

Y

ES, indeed! You can grow better fruit, even in your back yard than you can buy in the stores. It is only 25 feet wide, you say, and you want to devote only the rear quarter to fruits and vegetables? Well, you can’t grow any of the tree fruits or the large growing vegetables such as corn, squash and potatoes. Better buy these staples anyway and devote the space to what the stores can’t supply—at least in as high quality as yours—strawberries, dewberries, raspberries, currants, grapes and salads.

The sketch on another page shows one way you may do it. On each side, one foot from the boundary line place three grape vines eight feet apart. Alternating between them put two currant bushes. Parallel with these and four feet farther from the boundary set red raspberry plants two and a half feet apart in a row. Across the rear, two feet from the boundary line set dewberry plants 4 feet apart. Between these various plants set strawberry plants a foot to eighteen inches apart. During the first two years plant the remaining central space to small growing vegetables.

This plan calls for four currant, six grape, six dewberry, eighteen red raspberry and about a hundred strawberry plants. The strawberries may stay where set for one or two years before the other plants need the space. Each year they will produce more than enough young plants to start a new bed on part of the vegetable area.

Before planting spread a wheelbarrow load of well decayed stable manure (or ten to fifteen pounds of pulverized sheep or cow manure) to the square yard and thoroughly mix it with the soil while digging as deeply as the spade will go vertically downward. After raking the lumps fine set the plants at the distances indicated and again rake the entire area to make the surface smooth and loose. Keep it thus all summer or when hot weather arrives apply a mulch of buckwheat or rice hulls, shredded peat, or other loose material to check evaporation.

When planting set currants one to two inches deeper than the earth marks on their stems, red raspberries two to three inches, and grape vines so the lowest bud is just above the ground. This encourages root development. Keep dewberry and strawberry crowns (the point where roots and stems start) neither above nor below but at the surface. If too deep or too shallow they may die. A large flat trowel is the handiest tool to use when planting alone: a spade when you have a helper, especially when setting large plants.

If the roots are very long, shorten them a little with a sharp knife to facilitate planting; if broken or bruised cut off the injured parts. Always spread the roots out fan shape or like wheel spokes when planting and always tramp the earth firmly around them when set.

Grapes. Of all fruit adaptable to the little yard the grape is preëminent for shade, ornament and fruit. It will adapt itself to trellis, pergola, arbor, porch, summer-house, veranda, wall or fence.

When planting, dig holes fifteen or eighteen inches deep and wide. Loosen the earth in the bottom with a spading fork. Shorten the roots to about a foot. Spread these out and throw the best soil next to them and tramp it down firmly. Cut off all puny shoots and shorten the strongest one to only three joints making sure that a plump bud is at each. When growth starts avoid touching the shoots as they are easily broken off. When their bases become woody cut back the weak ones to only one joint and one leaf to strengthen the main shoot. Tie this (continued on page 618)
Three shrubs
to think about

Combinations of real beauty
and edible fruit

JAMES D. LUCKETT
New York Botanical Garden

Almost any tree or bush fruit might be regarded as a useful ornamental, if it were not for the fact that there is an aversion on the part of most of us to set out utilitarian trees and plants as decorative features of our gardens. Also, most of the tree fruits require too much space for a small garden, and the cultivated bush fruits, such as the Currant, Gooseberry, Blackberries and Raspberries, do not contribute much to the appearance of the home grounds.

Three shrub-like plants are now being offered by nurserymen, however, which combine beauty of flower, fruit and foliage with edibility of fruit to make truly useful ornamentals. These are the improved Adams Elderberry, the Dwarf China Cherry, and the High-bush Cranberry, all easily cultivated, and readily adapted to even the very small garden.

Everyone knows the common edible Elderberry, and most of us are acquainted with delicious pies and excellent wine that can be made from its fruit. The plants thrive in almost all situations and are often found on land too poor for almost any other shrub. They require very little care, the removal of the older canes from year to year sufficing to keep the plants vigorous and within bounds. If it is desired to restrict growth rather severely, the one-year-old canes can be cut back without injuring the plant.

The Elderberry is a handsome ornamental planted as a background for other shrubs. Also, it makes a splendid screen for outbuildings or to shut off unattractive views beyond the borders of one's garden. And, finally, the fruits attract birds which are themselves a desirable addition to every garden.

Two or three improved varieties of Elderberry are now being offered by nurserymen, probably the best-of which is the Adams. This variety is a seedling originating with William W. Adams in Western New York, who has been seeking improved strains of Elderberries for several years. The berries of his new variety are unusually large, sometimes attaining a diameter (continued on page 624)
Instalment planting for the new lot

Getting a real design to suit the conventional development that you've just moved into

H. R. SEBOLD
Columbia University

Nine times out of ten the new home owner finds himself in possession of a lot on which are a house and its garage, set on an area of lawn. He has had nothing whatever to do with locating the buildings and is face to face with the problem of finding a garden plan that's right for existing conditions.

The average small home area falls into one of two general classes: (1) House placed symmetrically on the lot, equidistant from side boundaries. (2) House placed nearer to one side of boundary. The garage may be a determining factor in this classification; if it be attached to the house and is balanced on the other side by a porch or projecting wing, the plot will fall into Class I. With separate garage the plot may fall into either class.

The next consideration is the recognition of an axis. Now don't let this word axis alarm you for it means merely a line, or backbone, from which the garden plan may be developed.

An axis may be taken from the middle of the garden façade of the house if there is a window or door important enough to be the beginning of the imaginary line on which the garden layout is balanced. The plan shown illustrates such a case. Informal and rambling schemes on a small city lot lack design because they do not recognize that the boundaries are definitely rectangular and that good design of any kind depends on the filling of an area by a pattern.

The rectangular lawn and flower area being laid out, the two remaining areas, one on each side, can be economically and decoratively used for dwarf fruit trees, small fruits and vegetables. Instead of dwarf fruit trees, ornamental Crab Apples could be used and they could be underplanted with flowers. The vegetable area could be used for a cutting garden.

The question of cost is vital to the small home owner. Many times an entire scheme cannot be carried to completion at once. The cost can be distributed over a number of years. On the accompanying plan different tones are used to show at a glance the part to be carried out first. The foundation plant and the planting of the shrubs bordering the front lawn and any tree planting either on the front or rear of the lot should be done the first year. The trees which grow slower than other things are thus put in first. In the second year plant the hedges forming the designs and any remaining shrubs. The third year would bring the garden to completion with the paving of the walks and the planting of the flowers and vegetables.

The Costs would be distributed somewhat as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Cost</th>
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</thead>
<tbody>
<tr>
<td>Cost of shrubs</td>
<td>$43.50</td>
</tr>
<tr>
<td>Cost of 1 tree</td>
<td>$3.50</td>
</tr>
<tr>
<td>Cost of hedges</td>
<td>$227.00</td>
</tr>
<tr>
<td>Cost of shrubs</td>
<td>$64.50</td>
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<td>Cost of flowers</td>
<td>$80.00</td>
</tr>
<tr>
<td>Total</td>
<td>$418.50</td>
</tr>
</tbody>
</table>

Key for tones on plan:
- Work to be done 1st year
- Work to be done 2nd year
- Work to be done 3rd year
Adapted from an old Crewel Embroidered Curtain of the late Seventeenth Century

IN XVII Century England gentlewomen took pride in their beautiful crewel work—striking embroidery—in bright twisted yarns.

This splendid adaptation of an old embroidery is worked in brilliant yarns on a background of wool tapestry.
### Seed sowing chart for wherever you live

*Earliest dates for setting plants or sowing seeds outdoors*

#### I. GEORGE QUINT

For the purpose of this planting guide the various sections of the country are grouped into five divisions to accord with the average climatic conditions.

**Section A** includes Arizona, Alabama, Florida, Louisiana and southern Texas, the climatic conditions of which are about the same.

**Section B** includes Arkansas, southern California, Georgia, Mississippi, North Carolina, South Carolina, Oklahoma, Tennessee and Washington.

**Section C** includes the following states:

- Northern California, Delaware, Illinois, Indiana, Maryland, Missouri, Kentucky, Kansas, Massachusetts, New Jersey, New Mexico, Pennsylvania, southern New York, Ohio, western Oregon, northern Texas, Utah and Virginia.

In **Section D** we have grouped Connecticut, Iowa, Colorado, southern Michigan, northern New York, Rhode Island, South Dakota, Minnesota, Montana, Nebraska, Wisconsin and West Virginia.

**Section E** includes Idaho, northern Michigan, North Dakota, Vermont, New Hampshire and Wyoming.

Residents of Maine, Nevada and eastern Oregon should follow the chart for Section E, planting about two weeks later than the date given for Section E.

### ANNUALS, COMPLETING THEIR GROWTH IN ONE SEASON——WHEN TO SOW OUTDOORS

<table>
<thead>
<tr>
<th>PLANT</th>
<th>BEST COLORS</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
<th>DAYS TO GERMINATION</th>
<th>THIN OUT (INCHES)</th>
<th>HEIGHT (INCHES)</th>
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<td>April</td>
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<td>April</td>
<td>May</td>
<td>14</td>
<td>18</td>
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<td>April</td>
<td>April</td>
<td>May</td>
<td>May</td>
<td>14</td>
<td>18</td>
<td>7</td>
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<td>Blue</td>
<td>March</td>
<td>April</td>
<td>April</td>
<td>May</td>
<td>May</td>
<td>14</td>
<td>18</td>
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<td>April</td>
<td>April</td>
<td>May</td>
<td>May</td>
<td>14</td>
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<td>April</td>
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<td>May</td>
<td>14</td>
<td>18</td>
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<tr>
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<td>April</td>
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<tr>
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(continued on page 544)
THROUGH A DECORATOR’S EYES

“How well,” you say to yourself, “will this pattern get along with my other things?”

This question is answered by a decorator of international repute, who has successfully used Minuet (1) with English interiors of Adam and Sheraton influence (2) in a pure American Colonial setting (3) in an interior effectively combining old and very modern pieces in a charming informality. He says of Minuet, “Whenever quiet good taste is the keynote, Minuet is at its best.”

THROUGH A COLLECTOR’S EYES

“Will Minuet be prized in the future?”

“Among all the silver patterns in my own collection,” a much-quoted connoisseur of silver recently remarked before a gathering of collectors, “I have no pattern of a finer simplicity and charm than Minuet. It has character—integrity—and that, my friends, is the mark that distinguishes lasting art.”

THROUGH EYES THAT SEEK BEAUTY FOR ITS OWN SAKE

Minuet answers your gaze with the same delicate precision, the same matchless dignity and grace which characterized that stately dance of our forefathers—the Minuet.

Perhaps it is the blood of our forefathers in our veins which murmurs, “Choose this... for your own lifetime’s delight, and for the delight of generations to come.”

6 teaspoons in this gracious pattern are but $11. Or twenty-six pieces—an excellent foundation set—cost but $73.35. Matching hollow-ware is to be had in Minuet, and in other International Sterling patterns.

PICTURE EACH WITH YOUR HOME AS THE BACKGROUND. THEN CHOOSE!

MINUET

FINE ARTS DIVISION INTERNATIONAL SILVER CO. MERIDEN, CONNECTICUT
PERENNIALS, FLOWERING NEXT YEAR AND LIVING ON—WHEN TO SOW OR PLANT OUTDOORS

Perennials grown from seed do not always bloom true to type, as seedlings often vary in color and habits, especially hybrids. Sow seeds whenever possible, as plants are expensive. Some will bloom the first season. These include Gaillardia, Lysianthus, Shasta Daisy, and Balloon-flower. Plants should be set a little closer together than half their height, and later thinned. The following chart gives the most popular kinds.

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<th>B</th>
<th>C</th>
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<td>Rose</td>
<td>March 20</td>
<td>April 15</td>
<td>May 3</td>
<td>May 24</td>
<td>June 5</td>
<td>15</td>
<td>48</td>
<td>July—August</td>
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<tr>
<td>Phlox</td>
<td>Varied</td>
<td>March 14</td>
<td>April 8</td>
<td>April 30</td>
<td>May 18</td>
<td>May 27</td>
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<tr>
<td>Primula</td>
<td>Varied</td>
<td>March 16</td>
<td>April 10</td>
<td>May 5</td>
<td>May 20</td>
<td>May 30</td>
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<tr>
<td>Poppy</td>
<td>Varied</td>
<td>March 15</td>
<td>April 12</td>
<td>May 2</td>
<td>May 22</td>
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<tr>
<td>Pyrethrum</td>
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<td>March 17</td>
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<td>June 5</td>
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<tr>
<td>Redavicia</td>
<td>Purple, yellow</td>
<td>March 17</td>
<td>April 15</td>
<td>May 1</td>
<td>May 15</td>
<td>May 29</td>
<td>20</td>
<td>36</td>
<td>June—September</td>
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<tr>
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<td>Blue</td>
<td>March 14</td>
<td>April 15</td>
<td>April 27</td>
<td>May 15</td>
<td>May 27</td>
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<td>36</td>
<td>July—September</td>
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<tr>
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<td>Blue</td>
<td>March 17</td>
<td>April 15</td>
<td>April 28</td>
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<td>17</td>
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<td>May 7</td>
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<td>Thalictrum</td>
<td>Rose, purple</td>
<td>March 15</td>
<td>April 15</td>
<td>May 7</td>
<td>May 25</td>
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<tr>
<td>Valeriana</td>
<td>Varied</td>
<td>March 14</td>
<td>April 10</td>
<td>April 25</td>
<td>May 14</td>
<td>May 22</td>
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<td>36</td>
<td>June—July</td>
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<tr>
<td>Veronica</td>
<td>Blue, white</td>
<td>March 20</td>
<td>April 16</td>
<td>May 5</td>
<td>May 17</td>
<td>June 1</td>
<td>23</td>
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<td>May—October</td>
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<tr>
<td>Viola</td>
<td>Varied</td>
<td>March 17</td>
<td>April 15</td>
<td>May 5</td>
<td>May 20</td>
<td>May 30</td>
<td>14</td>
<td>12</td>
<td>April—November</td>
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</tbody>
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BIENNIALS, TO FLOWER THE NEXT YEAR—WHEN TO SOW OUTDOORS

WHEN PLANTING choose from your seedlings only the healthiest, strongest plants. Plants that have been checked by cold or severe drought, or that have recovered from an attack of disease or an infestation of insects, never produce maximum results; it is poor economy, even downright wastefulness, to use them.

Handle the plants carefully, being sure that their roots do not dry out. Undoubtedly a plant will endure a lot at the hands of one of those geniuses who "have a wonderful way with flowers"; but doubtless, too, the less they have to endure, the more they can put into vigorous growth.

In the case of sowing seed saved from your own perennials plant as soon as the seed is ripe, outdoors; and again under glass about eight weeks before the plants can be set in the ground. Transplant seedlings at least twice, the first time as soon as they can be handled, the second time, when they are about five inches high.

In setting out grown plants, whether bought from a nurseryman or collected in the neighborhood, the best time is while they are dormant and just before they start into growth. Follow these dates, and as a general thing, you will be successful; transplant in late summer or early fall any plant that blooms before July; transplant in spring any plant that blooms in or after July.

*Perennial, but best treated as biennial.
Mrs. Robert R. McCormick

from a portrait by an eminent painter. Mrs. McCormick treasures pictures, owning one of the finest Cezannes in the world, an exquisite Matisse, and other splendid moderns. Extremely versatile, she is, as well as a distinguished Chicago hostess, a painter of some note, and the breeder of a prize Guernsey herd on her place at Wheaton.

THE DAMASK-COVERED BEAUTYREST MATTRESS AND MATCHING ACE BOX SPRING. The Beautyrest has a center of hundreds of small, individually pocketed coils that insure lasting buoyancy. The splendidly constructed box spring has the same taped edges and stitched sides, making a comfortable, pleasing pair. Rose, light blue and lilac in this pattern and a medallion design in sea-foam green, beige and Venetian blue.

In her Beautifully Appointed Town House

MRS. ROBERT R. MCCORMICK
has these Luxurious Mattresses and Springs

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

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

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

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

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

In furniture and department stores, Simmons Beautyrest Mattress, $39.50; Simmons Ace Box Spring $42.50; Simmons Ace Open Coil Spring $19.75; Simmons Beds $10.00 to $60.00, No. 1581 $32.75; Rocky Mountain Region and West, slightly higher. Look for the name "Simmons."

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

Already, 655,487 Beautyrests in American homes*

Every 34 seconds, one more Beautyrest in someone's home!

*These records are for the U. S. only.
Spend a few dollars and save the hundreds you paid for floor coverings.

If you follow the experience of hotel keepers, the best housekeepers, you will protect your costly floors, carpets, linoleum and rugs. Hotel keepers know furniture is hard on floors and floor coverings. They protect both because it pays.

A few dollars for Bassick Casters and NoMar furniture rests protect floor coverings for which you have paid hundreds of dollars. You can’t afford to neglect protection that costs so little.

How NoMars prevent rug and floor ruination

Your bureau—your dressing table. Seldom shifted—always packing down the pile of the rug in the same spots. The end is ruin to the rug; scars that won’t come out.

NoMars prevent this. They are broad and smooth of base, spreading the weight of furniture so it can do no harm. They are good-looking, too. Dark brown in color, nestling close against the floor—they agree perfectly with modern trends in furniture design.

NoMars are unbreakable. They won’t scratch polished floors or tear carpets. Ask your hardware or house furnishing dealer to show you NoMars. And try a set—they fit most caster sockets. The coupon below will help you get full details.

On Bassick Casters things roll so easily

Beds have to be moved. So do ever so many items of furniture—chests, tables, chiffoniers; not to mention sofas and pianos. How can you clean properly without moving them?

Bassicks make it easy. Easy on you, easy on your furniture, easy on the floor coverings and floors. For Bassicks work willingly, quietly, smoothly. They swivel promptly—and what you have to move goes where you want it, without fuss or contradiction.

In most homes there are casters that should be replaced. You simply cannot afford to be without easy-rolling Bassicks.

Write for the service booklet, with its full details as to types and sizes for every use. Or talk to your dealer. He knows—and recommends—Bassicks.

The American Home

The Connecticut tradition in revival

Continued from page 314

of present discussion is a representa-
tive example of the traditional "salt-
box" type expressed in modern form.
The name "salt-box" was given in all-
usion to the general contour, with the
entral chimney rising above the
idgepole and the roof slopes falling
 away from it, resembling the old-fash-
ioned wooden salt-boxes that used al-
ways to hang against the wall in New
England farmhouse kitchens. The
"salt-box" house usually has a single-
pitched gabled roof, but the term
may likewise be applied without im-
propriety to the closely related gamb-
rel-roofed house.

When we say that the house at Farmington is an example of the traditional local type expressed in modern form, it is to be understood that the essential typical features of the ancient mode have been preserved while certain additions and adapta-
tions have been made in conformity with the ideals and requirements of comfortable and convenient living to-day. For example, the old cus-
tomary plan has been shifted about somewhat, both downstairs and upstairs, much to the added comfort of the occupants.

The house door opens into an en-
try, it is true, in the time honored fashion, and from this entry the stair ascends against the mass of the cen-
tral chimney. Likewise, according to ancient usage, the living room (once called the "keeping room") occupies the whole depth of the house at one end. But there adherence to the old man-
ner of planning ends, as one may easily see by comparison with the habitual scheme of arrangement that obtained in the early houses.

To the left, as you enter the house door, will be found the maid's quar-
ters. From the entry a passage con-
nects with a well fitted pantry, a feature unheard of in the ancient "salt-box" dwelling. Beyond the pantry is a kitchen, fully appointed with all the most recent devices for eliminating the element of drudgery from housekeeping. The kitchen oc-
cupies an ell-extension, a kind of add-
ition often made to the early type of house when enlargement became necessary. The dining room occupies the space to the rear of the central chimney and has the advantage of a large bay window, another appro-
priate and pleasantly managed depar-
ture from the wont of an earlier age.

Upstairs will be found an equally commendable readjustment of the traditional plan so that bathrooms can be properly provided for, and the guest room and bath can be conve-
niently separated from the rooms used by the family.

A few dollars for Bassick Casters and NoMar furni-
ture rests protect floor coverings for which you have paid hundreds of dollars. You can’t afford to neglect protection that costs so little.
The Connecticut tradition in revival

Continued from page 546

The staircase, while the woodwork is painted blue. In the living room the paneling, which is of exceptionally pleasant character in its design and detail, is painted a light, merry yellow which greatly enhances the cheerfulness of an already engaging room. In the dining room both the wallpaper and the woodwork are yellow, with a sufficient difference in tone to throw the accents in the proper places.

The guest room presents an especially arresting incident, both because of the compact and convenient arrangement of the berth-like built-in bed and because of the colors employed. The bedheads, shaped valance boxes and other items of woodwork are painted a soft, slightly greyish green, the chamfers and cornice picked out in red; the taffeta bed curtains are the same color; and the wallpaper has a predominantly green and yellow floras and foliates pattern on a cream ground. The adjoining guests' bathroom is in rose color.

All the means by which the agreeable results are arrived at are of the simplest possible sort, but ordered by discreet judgment. The house is replete with interest and character, from whatever point of view we regard it. And not the least significant factor in the final result is the use of color understandingly employed. In respect of the color used, the house ought to give considerable food for thought to those timid souls who, in their anxiety to have their surroundings thoroughly "refined," consent to live in houses whose colorless walls and woodwork convey the impression of their being in an advanced stage of pernicious anaemia.

If you are building a new home ... or if you are re-decorating ... or if you are remodeling an old home ... here is a valuable book that will help you.

"Fashionable Walls" is its name. It contains the newest ideas in wall treatments. It shows the ascendency of decorative moldings for cornices, wall panels, chair rails, door heads, mantels, etc. It illustrates the elegance, the grace which they impart to any room.

Not that the use of decorative wood moldings is new. They have always been fashionable—in homes that could afford the price of hand-carving. But now every home can afford to use decorative wood moldings.

This has been made possible—for the first time—by the introduction of Driwood Period Moldings in Ornamental Wood.

"Fashionable Walls" contains the full story of Driwood Moldings—the story of their depth and beauty—the variety of designs obtainable—how easy they are to apply—their adaptability to any type of room and to various periods of decoration. If you will mail the coupon below we shall be pleased to send you a free copy of "Fashionable Walls".

HENRY KLEIN & CO., Inc.
Branch Offices in Boston . . . . Detroit . . . . Philadelphia . . . . and Pittsburgh
General Offices and Plant . . . . . . . . . . . . . . . . Elmhurst, N. Y.

PERIOD MOULDINGS
in ornamented wood

HENRY KLEIN & CO., Inc.
Dept. J, 11 E. 37th St., New York
Please send a copy of "Fashionable Walls" to . . .
Name . . . . . . . .
Address . . . . . . . .
**DEVICES FOR THE HOMEOWNER**

Conducted by

WILMA LUYSTER

We are very glad to offer a shopping service for anything shown in The American Home. Send your check for the articles you wish to Shirley Paine (payable to her), care Doubleday, Doran & Company, Inc., 244 Madison Ave., New York, and she will order the articles sent to you from the manufacturer. This service is entirely without charge.

**Bottle Brush**

If you have ever washed a milk bottle, or, in fact, any other bottle, you know the difficulties involved, and you will appreciate this bottle brush. The cork screw end circles around the bottom, and the stiff bristles scrub the side. A metal point readily scrapes loose any very hard material and a rinsing with hot water finishes the job. (30 cents)

**Water Pressure Sink Cleaner**

One of the problems of the modern housewife is to keep outlets from sinks free. This cleaner, made of a high grade of rubber, combines the usual suction method of cleaning drains with pressure from the city water main. The suction loosens the stoppage and water is then turned on and rushes through under 60 or more pounds pressure to the square inch. It is made entirely of rubber and quite unbreakable. ($2)

**Press Your Own Ties!**

Wrinkled, stringy neckties are rejuvenated by this little device in the space of five minutes. You simply insert the tie, turn on the current and go about your own business. When you are ready for your cravat, it is ready for you. In this way the ties last much longer, and always retain their "new" look. It comes in steel, or in a case finished in crystal lacquer, or in one covered in colorful fabric. ($2 and $3)

**New Ash Receiver**

With this unique system, the regulation ash can is placed in the elevator device shown above, and lowered in the specially constructed pit under the heater. When the fire is shaken the ashes are deposited in the can, and when the can is full a few easy turns of the handle bring it to the floor level, whence it is easily rolled off without any lifting of small ash cans. ($90)

**Milk Receiver**

A sanitary milk receiver that is installed in the wall is one of the new things every housewife wants for her kitchen. It makes it possible for the milk man without entering the house to deliver the milk into a cabinet, from which the housekeeper receives it from the kitchen or pantry where it is installed. Of aluminum, complete with indicator. ($7.50.)

**Table Safe**

When closed this piece of furniture looks just like a well designed table, created to do nothing more than any ordinary table. But, as the photograph shows, it opens to disclose a tiny safe, which is large enough to hold valuable papers, jewelry, etc. And it certainly is not the place a burglar would expect to find the family valuables. (In solid mahogany or solid walnut, $44)

**Dynamo Flashlight**

No worn out battery in this flashlight, rendering it useless on just that dark night you need it most. The secret is that there is a dynamo inside, and as fast as the current is used up more is generated. Anyone who has experienced a "dead" battery will appreciate this. Of regulation size it sells for $10.

**Hose Reel Revolves on the Faucet**

An improved hose reel revolves on the faucet and is attached or detached quickly. It is attached to faucet by a clamp, and thus the extra faucet in laundry or garage permits the reel and hose being used for more purposes than one. Easy to care for, and out of the way when not in use. ($4.50)
IN the period preceding 1730, before the Colonies reached their era of prosperity, men made their furniture at home.

Clad in homespun and buckskin, these settler-craftsmen toiled by the light of tallow candles fashioning for strength, simplicity, and comfort. Unknown to themselves, they created a distinct style of irresistible beauty that will live and endure forever.

Stickley has devoted his life to collecting these rare Early American masterpieces. It is to the reproduction of this Early American furniture that the Stickley workshops have been dedicated.

Those who treasure authenticity, who demand quality, who enjoy the mellow beauty of the past, choose Early American by Stickley of Fayetteville.

On display by the better dealers.
Tourists welcome at factory show-rooms five miles east of Syracuse on main highway—Route 3.

Also displayed by Lake Placid Club, Adirondacks.

Early American
BUILT BY
STICKLEY
OF FAYETTEVILLE
For the Health and Comfort of Your Family

Many people wonder how the same Quilt that keeps the home so warm in winter can also keep it cool on summer’s hottest days.

The answer is very simple.

In winter the heat is inside your home, trying to leak out. Cabot’s Quilt holds it back. In summer the sun’s hot rays strike through roof and walls, but Cabot’s Quilt holds them back.

Tests by the U. S. Bureau of Standards prove the superiority of Cabot’s Quilt as an insulator for your home. If you care for your family’s health and comfort, specify Cabot’s Quilt for your new home, or install it in the home you now have.

Use coupon below for complete facts, with no obligation whatever.

Stenciled floors—a new treatment

Continued from page 524

A deep yellowish tan and the center star dark brown.

But in both of these last named combinations, where the body of the floor is light and the center design is darker, this dark color will have to be picked up as an accent and repeated as a narrow strip, two to four inches wide, running around the hall about two inches away from the wall. Where the body of the floor is the darker color (as in the black and red combination) no such border is needed or even desirable.

You may think that the star is being harped upon somewhat insistently for the center design. The truth of the matter is that there isn’t much room for variation. In the first place, the central position calls for simplicity; secondly, it calls for radiation. The star, in all its numerous variations and modifications, supplies both.

Plain circle, or square, or even octagon, would be simple enough, it is true, but these massive spots would be heavy, dull, lifeless, and would give the impression that you intended to use your floor for target practice. The star is always full of life, reaching out, but never heavy.

But it is in the stenciled border where your fancy can go on a frolic. And there are many uses for well considered decoration in this form. For example, your living room floor may not be in good condition, and as the easiest way out, you have had it painted a deep red tile color. The rug in front of the fireplace or in the middle of the room is of moderate size, leaving a good part of the floor surface showing. You can dress up that room (continued on page 574)
...not merely Oak, but the Most Beautiful Oak

Of course you expect to have Oak Floors in your new home—but in looking at different oak floors have you noticed that some are much more beautiful and refined than others?

A uniform grain, a texture of velvet-like appearance...each strip blending with the others—these are the qualities that attract your admiration. And these are the qualities which have made Ritter Appalachian Oak nationally known—nationally preferred!

Consult with your architect. He will tell you that Ritter Appalachian Oak reflects the ultimate in floor beauty. Ritter floors in your home will be a constant joy to you!

W. M. RITTER LUMBER COMPANY
Appalachian Lumbermen since 1890
General Offices: Dept. A.H., Columbus, Ohio
Modern Oriental rugs

Continued from page 531

furnishings, they had been for the most part restricted to the Atlantic seaboard and to homes of considerable means.

The clipper ships from the ports of New England brought back to that barren country many fine Indian rugs and the so-called Turkey carpets. These pieces handed down from ancestors who were usually sea captains, have become the heirlooms of many proud New England families. The carpets, of course, came from Persia and were picked up in the seaports of Turkey and India although they were not fabricated in those countries.

With the World's Fair of 1895 in Chicago, American tastes were directed to consideration of European ideas of design and choice of materials. Among the ideas imported was that the best of floor coverings were to be found in Oriental rugs. This was the period when the Kermanshah rug flourished. As a matter of fact, the rugs known as Kermanshahs were not made anywhere near the Persian village of Kermanshah. These pieces coming into the American market sold in sizes of 9 x 12 and over, at prices varying from $400 to perhaps $2000.

In those days, of course, this represented a much larger sum of money in purchasing power than the same figures do to-day, and these pieces still created the impression that the Oriental rug was not to be considered except among families of ample bank accounts.

The general situation continued until the World War, when, of course, the embargo on shipping created such extravagant prices for the Oriental rug as staggered even the imaginations of Oriental avarice. In the period following the World War a change came over the entire rug situation. Many a large population in the East and Near East, being released from its occupation of war, went into the business of weaving rugs, thereby creating a large supply of this product which gradually began to accumulate on the wharves of Beirut, Smyrna and Constantinople. The development of rug weaving near the seaports in Asia Minor made it possible to produce Oriental rugs in large quantities and in the sizes fitted expressly to the needs of the American homes for which they were destined.

This brings us to the subject of moderate priced Oriental rugs as they appear to-day in the American market. First, there is the carpet from Asia Minor woven of very desirable wool in a sturdy, rough knot, that promises many years of satisfactory wear. The price, of course, varies for a 9 x 12 rug from $175 to $300, dependent somewhat on the quality of the materials employed, the size with which the rug was woven and its desirability from the standpoint of design and color. Rugs reaching the American market below this price can hardly be called dependable, as they usually are made of inferior woods or are inferior in construction. The designs in the rugs first mentioned are adapted to the demands of the modern American home. They are in the soft, neutral tones of rose combining so well with nearly any interior decorative scheme that may already have been used. Blue and ivory also are frequently to be found in these rugs in combinations wholly pleasing to the eye.

The rugs themselves, if properly treated and cared for, will give many years of service. They are not, however, everlasting any more than any other kind of floor covering is everlasting, and the wrong impression is given when such rugs or any Oriental rugs are sold with the idea of an endless service.

Many rugs are on record that have been continuously used for more than three score years, but we enter the opinion that these rugs have not been in places where many footsteps passed over them during the day.

In the price group immediately above those first mentioned, or in prices ranging from $225 to $300 for a 9 x 12 rug a wide choice comes into play. These rugs may come either from Asia Minor, Persia, China or India, and are to be found in colors of every hue and designs of every description. The Persian rugs usually are to be distinguished by their higher price and lower color. Those from Asia Minor normally have a tighter and heavier construction, and consequently, recommend themselves for places where continuous service is to be expected. The carpets from India resemble those from Asia Minor in many respects.

It is understood that the price grouping applies to a rug 9 x 12 in size, which is the average dimension required in the American home. The question is frequently raised as to the square foot price of a rug, and many people are sometimes misled by the differences in wholesale and retail transactions. When rugs are purchased in large numbers, comprising many bales in a shipment, the only price which he will call his first grade and others which he will place in his second and third groupings. The criterion of selection in every case is the summing up of the weaving, the materials (in this case, wool), the design and color of the carpet. In the end, these factors create a pretty definite idea of what is to be expected, as the price of the rug is not the only consideration in making a purchase.

These carpets, then, coming into the market at a moderate price, either under $200 or slightly over, constitute fine value in floor covering for that sum of money. In both the durability of the fabric and in beauty they add to any scheme of decoration.
"No excess weight, my answer is—I just smoke a Lucky."

George Gershwin
Noted Composer

"When people ask me how I keep in physical trim—with no excess weight, my answer is, 'I just smoke a Lucky whenever I crave over-rich pastries which fatten.' There's nothing to equal that wonderful flavor, so appetizing, yet never interfering with one's normal appetite for healthful foods."

George Gershwin

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

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

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

"It's toasted"

No Throat Irritation—No Cough.

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

YOU do not mind your neighbor borrowing garden tools occasionally, you may even borrow one of his some day. You do, however, want to know when he borrows and you want him to come to you.

He will... if your property is enclosed by a Wickwire Spencer Chain Link Fence. It changes that area between your gardens from no-neighbors-land to two properties with a definite boundary.

These fences are inexpensive yet sightly and durable. Our trained workmen erect them without damage to grass, flowers or shrubs. There is a Wickwire Spencer Representative near you. Write the home office for details.

WICKWIRE SPENCER STEEL COMPANY 37 East 42nd Street New York City

WICKWIRE SPENCER Chain Link Fence

Guest room trifles

Continued from page 516

I would willingly have dispensed with ring, chain, bed, everything in sight, in exchange for a nail file. Of course, I had one in my bag but my bag was still emptying at the station. Well, I would comb my hair and neglect my nails. Surely there would be a comb somewhere in such a lovely room. But no, the dressing table was barren. Slightly disgruntled I was about to descend to luncheon willy-nilly when I found the not solely ornamental but very useful button on my cuff did a nose dive under the bed. In due time I retrieved the button but a prolonged search failed to reveal a needle and thread, or even so simple an article as a pin, in that "comfortable" guest room, and I had to reconcile myself to appearing at luncheon in a very disheveled state of mind and body.

That episode has caused me to do a lot of thinking and a deal of wondering about people whose houses are being tried to look at, convenient in the essentials, but absolutely lacking in the little things that make for real comfort. The conclusion that I have come to is that people either are or are not detail-conscious by nature, but that those who are not can train themselves to be. It is for their benefit that I offer the following hints in the hope that they may be of some help to them, as well as to their future guests.

The first step in organizing a guest room is the selection and the placing of the furniture. The next step should be the selection and the placing of the bedding. Be sure you have enough blankets! And be sure you have them where your guests can reach them! In the event of a sudden drop in the temperature during the night an extra pair of blankets in the linen closet will be of little use to the guest who is growing stiff with cold in the guest room bed. Leave an extra throw at the foot of the bed in case of need.

Next, keep on the dressing table such toilet requisites as a brush and comb, a hand mirror, a clothes brush, a hair brush, and even a button hook in case of need.

And, since cosmetics have spread their insidious influence over the lives of most women, the perfect hostess should provide face powder and rouge for her female guests. The powder may be kept in the box in which it was bought or, better, be transferred to an ornamental powder box which will add to the attractiveness of the dressing table. One powder puff will do but the individual ones you have them where your guests can reach them! In the event of a sudden drop in the temperature during the night an extra pair of blankets in the linen closet will be of little use to the guest who is growing stiff with cold in the guest room bed. Leave an extra throw at the foot of the bed in case of need.

And, since cosmetics have spread their insidious influence over the lives of most women, the perfect hostess should provide face powder and rouge for her female guests. The powder may be kept in the box in which it was bought or, better, be transferred to an ornamental powder box which will add to the attractiveness of the dressing table. One powder puff will do but the individual ones are much nicer and much more hygienic. You can buy them or make them easily by bunching together a bit of cotton and tying it with a little ribbon which matches the color scheme of the room—very simple, cheap and effective. You cannot be expected to supply the correct rouge for each guest but since most people are either blondes or brunettes they can use any blond or brunette rouge in a pinch. You should, however, have both varieties.

In the guest bathroom cold cream, talcum powder, hand lotion, bath-salts, toilet paste and shaving cream should be available. Also, since accidents will happen, it is well to have on hand some kind of antiseptic such as iodine or mercurochrome, bandages, cotton, and adhesive paper. As well as aspirin and bicarbonate of soda. Decorative bottles made especially for the bathroom are a great help in making the room attractive and can be ordered with whatever labels you desire. If you do not have bottles of this sort let me beg of you to put all medicines and toilet goods out of sight in the medicine cabinet. A green bottle with a comparison signifying the efficacy of the contents in all cases of strain and sprain may be a slight cheer to eyes of one who has just fallen down stairs but to the average healthy visitor it is merely an unornamental bottle of medicine and should not be on display.

Remembering that even experienced travelers sometimes forget that all important item of personal hygiene the toothbrush, a thoughtful hostess will keep a new one in its little sealed paper package on hand for just such an emergency. The pin family plays such an important part in our lives at times that it must not by any chance be overlooked. Provide your guests with safety pins, straight pins, hair pins and any other types of pins that you can think of, and in all sizes.

Then there should be the sewing basket fully equipped with needles, thread, thimble, buttons, hooks and eyes, darning egg, scissors and anything else that a person might conceivably want for mending clothes. Some thoughtful thread companies market little speedy of darning silk in selected colors, twelve in a box; for just such uses as this they are perfect.

Shoe polish, polishing clothes, and brushes may leave in the mind of some transient male, whose last minute dash from the office has not left him time for a shine, the impression that you are the perfect hostess. The installation of shoe shining equipment in the guest room is a cheap way to acquire this reputation.

For real guest-comfort a desk is essential in the guest room. Furnish it completely with stationary, ink, blotter, stamps, a pen and the little things like rubber bands and paper clips. Then for good measure put in the desk drawer a few sheets of heavy wrapping paper, tissue paper, and a ball of twine. These last items may seem unnecessary to you but I have found from experience that guests occasionally want them.

Of course a bedside table should be supplied with a lamp for the benefit of nighthawks who lie abed reading long after everyone else in the house is in the land of Nod. Matches, ash trays, and cigarette boxes (filled!) beside the lamp. Two little extra toothbrushes are a carafe of ice water and a small box of crackers. People's appetites, like their temperatures, vary, and some there are who like to nibble something before turning in for the night. They claim it has a soporific effect. For the benefit of those whose insomnia cannot be conquered by a biscuit it is a good idea to provide literature in the form of a few magazines (continued on page 571).

Time . . . the real test . . . proves WEATHERBEST
Stained Shingles Retain their Superior Color Charm

Nearly all Red Cedar stained shingles look well when first applied . . . the real test comes only with time and exposure. There are seventeen years of stained shingle experience behind the Weatherbest special process of staining 100% edge grain red cedar shingles. Constant laboratory testing and a triple inspection before finished product is shipped provide a safeguard of dependable quality.

Weatherbest materials and process have never been cheapened to meet price competition.

Ask your own lumber dealer for prices and color samples. Many dealers carry standard colors in stock.
The story of a changed room
Continued from page 517

chair got a new flock of dull green but the majority of the pieces remained as they were.

After elimination came arrangement. The dear old lady had come into the house as a bride, when furniture was placed primitively around the walls while the center of the room was left quite bare. In spite of the great number of chairs and tables which she owned, the stiff arrangement which had never been altered gave the room a barracks-like effect. So the room was promptly broken into smaller groupings of furniture which made conversation easy and delightful instead of stiff and strained. Little tables were close at hand to do service for the inevitable ash-trays and cigarettes. (Well-placed ash-trays, by the way, are an excellent method of insuring the long life of furnishings.)

The small tables and stands which were placed conveniently near chairs and couches also served to hold a few lamps which had made reading not only possible but pleasant. Before the "revolution," these lamps had been used solely to light up dark corners of the room and had stood far away from any comfortable seats.

The old piano assumed a new dignity when relieved of its burden of photographs and small ornaments. A Persian shawl was draped across the surface, and held in place by a charming bow of dull blue pottery. The use of the piano as a "what-not" is always unattractive and in bad taste.

The granddaughter's delt touch also swept away the heavy, gold-trimmed table covers which had masked the nice patina of the old wood underneath. In some cases, where the tables were marble, the still used covers but substituted bits of old brocade or of plain silk fabric in a self-pattern.

No magic wand was employed in this conversion of the old living-room. The hodgepodge which confronted this young revolutionist was simply considered from two angles—comfort and appearance. With a little careful study of our own problems, any one of us can transform an unattractive room into one which is at least pleasant and homelike. To be comfortable is a major rule. The eye can focus on it for a space of time, without being distracted.

Small rugs are a trap for the unwary. People who have a weakness for them are apt to scatter them over the surface of their carpet like so many stepping-stones. A good small Oriental is not offensive even on top of a large rug, but a profusion of little ones in addition to a carpet gives a fuzzy and unattractive appearance to a room.

Lamps have an uncanny power of distracting attention. If you have assembled a quasist Colonial room, with maple furniture and chintz upholstery and then cannot resist a lamp shade of ruchings, lace and gold braid, your previous efforts have gone for nothing. If simplicity is the keynote you wish to sound, your lamps should harmonize with some periods of English furniture, such as Queen Anne or Chippendale. A colorful pottery base with a parchment or silk shade goes with almost any type of lamp shade.

The ornaments in your room, like the pictures, should be few and well-chosen. The modern tendency is, in a certain sense, to do away with ornaments entirely. This does not mean that there are no knicknacks in a room, but simply that each serves a definite utilitarian purpose, whether it receives ashes, keeps cigarettes, contains match-boxes or holds flowers or lends color to some dark spot.

The mantelpiece is almost the only place where ornaments are permitted to do nothing except look attractive. Here, it is always best not to overload. A pair of vases and a picture, or a pair of candlesticks and a bowl always make a better appearance than a welter of miscellaneous objects. There are, of course, exceptions to this rule of balance.
How we built our house

Continued from page 515

This Happy Solution
Of The RADATOR Problem
Made Possible with ROBRAS 20-20's

THE truth of the matter is, the house had long stood vacant. Its location was a most commanding one, atop a hill. It was, of course, windy. It did require plenty of radiators to heat it. So many, in fact, that you constantly felt their presence in every room. Those in the living room made a barrier four feet high, in front of the choicest windows.

For years a prominent Long Islander wanted that house. But he could see no satisfactory solution to those bugaboo radiators. Then he learned of our in-the-wall-out-of-the-way ones. There was his answer. He bought the house. Now ROBRAS 20-20 Radiators are recessed in the wall under the windows. They actually take up only a fifth of the space and yet are decidedly more efficient.

We have a booklet that answers just the questions that are doubtless right now turning over in your mind. Glad to send you a copy.

Rome Brass Radiator Corporation
1 East 42nd Street
New York

Send me full details about the ROBRAS 20-20's
Winter Lingers

A promise of Spring comes through the open casement while March blusters and a rollicking wind buffets the outswung sash.

Securely it is held against the sudden gusts, smoothly and silently it is opened and closed, and instantly adjusted. Equipped with Win-Dor Hardware all casement windows are made as convenient as they are beautiful. Win-Dor Operators and casement stays afford perfect control. They are automatic and positive locking. They are inconspicuous and inexpensive. Win-Dor installation will make your windows easy to adjust, safe to leave open, and trouble-free at all times.

Win-Dor Hardware is available in various finishes to match any window trim and can be seen and purchased at most hardware stores and all steel sash dealers.

The child's own room for play and work

Continued from page 519

In a nursery used by more than one child, it is desirable to separate the equipment. For that reason, the things used for the baby are kept separated, as far as possible, from the things used by the larger children. The latter like this plan because they know that if they build a large block house, an adult tending the baby at one end of the room is far enough away not to knock it over.

A new hybrid Raspberry for the South

P. T. Barnes

Every garden from Washington south, even as far as Florida, may have Raspberries, for a new variety, the Van Fleet, a product of the genius of the late Dr. W. Van Fleet, thrives in the South. That is sure use open to residents of the South, particularly to those Northerners who have migrated to the South.

Van Fleet is a strong growing bush, producing eight to sixteen canes growing eight to twenty feet in length when two years old. The flower pedicels vary in size, many having 100 to 200 flowers, oftentimes more, and they all set fruit.

The fruits of Van Fleet are medium in size, rather soft, so it is not a good market berry, but a fine home sort. The fruits do not rot or spoil nearly as soon as those of our ordinary varieties. The bearing season begins just as that of Cuthbert closes and extends from two to five weeks. Two-year-old bushes have borne five to ten quarts each, and older bushes have carried a twenty-quart crop. The berries are dull red, sub-acid, of good quality.

In addition to its wonderful productivity Van Fleet is resistant to such diseases as anthracnose, leaf spot, leaf rust, and cane blight, to which our common sorts are subject. Leaf spot has been a great detriment to raspberry growing down South. Van Fleet has been thoroughly tested out by growing close to blocks of raspberries which were diseased.

Surely such a wonderful berry will form a lasting memorial to the late Dr. Van Fleet. Late in 1907 seeds of Rubus inominate were received by the office of Foreign Seed and Plant Introduction U. S. D. A. from E. H. Wilson who collected them in the mountains of China. These were turned over to Dr. Van Fleet, then Superintendent of the U. S. Plant Introduction Garden at Chico, California. From them he grew plants that bloomed in 1910. Dr. Van Fleet felt that if the size and flavor of our common raspberry varieties could be imparted to the strong growing habits and wonderful productivity of this Asiatic species, he would have something worth while. He succeeded!

Van Fleet has proved hardy in the North, having withstood below zero temperatures at Washington and passed unscathed through the winter of 1922-23 at White Haven, Mich., and Geneva, N. Y.

Prof. E. L. Lord of the Florida Experiment Station and F. A. Meits of the Virginia Experiment Station have tested it out and given very favorable reports of it but Dr. Hedrick at Geneva, N. Y., is not enthusiastic over it, I understand. It will probably not be as much grown in the North as in the South. Still for the home gardener in the North who wants to extend his red raspberry season it will be found of interest.
The Sheffield Suite now displayed by leading furniture dealers everywhere.

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

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

DETAILS OF THE STERLING & WELCH BEDROOM

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

The background is green, with piping and edging of rose. Interesting, helpful room details and suggestions by leading authorities fill the "Furniture Style Book." A new chapter on Art Moderne Furniture and Decorations is now included. Endorsed by leading decorators. Send for the Furniture Style Book. Price, fifty cents—stamps or coin.
producing naturally, a weaker wall. The fact remains, however, that they are being used successfully in many homes. If you contemplate using this type of foundation I suggest you insist upon full joints and that the courses upon which floor beams, girders, etc. rest be solidly filled. Hollow walls are usually built at least four inches thicker than solid walls and the footings should be not less than four inches wider on each side than the wall.

Probably water has caused more foundation difficulties than has any other single factor. The presence of water should never be disregarded, and adequate means of controlling it should be employed. For our purpose water may be classified as drainage or the run-off of storms and what we will call “ground” water. The former is simply the usual drainage during and after a storm, a proportion of which sinks into the ground. Drainage water seldom causes serious trouble. As a precaution try to so lay out the grading of the land surrounding the house that the slope will be away from instead of toward the building. If this is not practicable on all sides provide some artificial means of diverting the storm water away from the building. It is a good idea to ”damproof” the exterior of all foundation walls below grade. While it may not be necessary in all cases it is a (continued on Page 578)

What to look for when you buy or build

Continued from page 525

assured good drainage prevails hollow walls will probably serve satisfactorily. Hollow walls are principally of hollow tile, concrete block or walls of ordinary brick so laid as to form an air space within the wall.

It has been my experience that the mortar bond in hollow unit walls is usually not as good as in solid walls producing, naturally, a weaker wall. The fact remains, however, that they are being used successfully in many homes. If you contemplate using this type of foundation I suggest you insist upon full joints and that the courses upon which floor beams, girders, etc. rest be solidly filled. Hollow walls are usually built at least four inches thicker than solid walls and the footings should be not less than four inches wider on each side than the wall.

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We prescribe a

Cadwell No. 10 Air Valve

Such a radiator is “air bound.” Steam has forced the cold air ahead of it to one end but cannot drive it out because the air valve won’t work. Until the air can escape, steam cannot heat that end of the radiator and it will remain cold.

Replace that worn valve with a Cadwell No. 10 Air Valve. It automatically expels the cold air, allowing steam to make the radiator hot all over. The Cadwell needs no attention, can’t get out of order and is guaranteed to function perfectly for five years. Anyone can quickly attach it. Send no money; just mail the coupon.

CADWELL No. 10
AIR VALVE

Makes the radiator hot from end to end

Manufactured by

BEATON & CADWELL MFG.CO.
Established 1894
NEW BRITAIN, CONN.

Send No Money

The BEATON & CADWELL MFG. CO.
Dept. H-3, New Britain, Conn.
If your dealer cannot supply you with the Cadwell No. 10 Air Valve, send us his name and we will send you one valve for $1. Send no money; pay the postman $1 when it arrives.

Name_________________________________________
Address_______________________________________

Inside form for concrete foundation

Foundation in foreground is seriously deficient due to improperly filled mortar joints. Filling of holes in block would be an advantage.

There is going to be some difficulty in getting a tight joint between each and wall above.

Detal of footing of old church in Virginia. Note how brick is stepped out to provide wide base.
Split each year's fuel bill in two and keep half for yourself

That is literally how you save money with a Spencer Heater. There is nothing theoretical about it. You simply buy cheaper fuels. For instance, instead of using egg, stove and nut anthracite, you use No. 1 Buckwheat anthracite in a Spencer Heater, at half the cost of domestic sizes.

You know that small size fuels cost less. You would have a Spencer Heater in your basement this minute if you were sure that the Spencer can burn small size fuels efficiently. You can very easily assure yourself. Thirty-two years of constant testing and of everyday use have proved the Spencer, with its magazine feed and sloping Gable-Grate, to be the scientifically correct way of using all solid fuels for heat. Spencer owners will tell you that they get a better and more uniform heat from low cost, small size fuels, than they ever got from flat grate heaters with the most expensive fuel sizes.

The Spencer was first welcomed in anthracite burning communities because of the tremendous savings made by using No. 1 Buckwheat anthracite instead of the more expensive domestic sizes. It was soon discovered by users of other fuels. Coke and graded bituminous—any of these fuels used in a Spencer gives a cleaner fire and more uniform heat, with attention only once or twice a day. No wonder demand grew. As sales increased, so did manufacturing facilities. Prices were lowered. With today's prices, even the first cost of the Spencer is little more than the price you pay for ordinary heaters, and its fuel savings quickly pay its entire cost.

For any home or building, from bungalow to skyscraper, there is a cast iron sectional or steel tubular Spencer that will save fuel cost and give a better heat with less attention, SPENCER HEATER COMPANY, Williamsport, Pa.

* The Spencer scientific principle

Once a day, fuel is put into the magazine (A). It fills the sloping grate to the level of the magazine mouth (B). The fire bed always stays at the level shown at (C), for as fast as fuel burns to ash (D), it shrinks and settles on the Gable-Grate (E). As the surface of the fire bed is lowered by this shrinking process, more fuel feeds down of its own weight over the top of the fire bed. Fuel feed is by gravitation—no mechanical parts, no smothering and deadening of the fire. Uniform depth of fire bed gives maximum efficiency with minimum fuel cost. Spencer Heaters, sold and installed by all good heating contractors, bring modern convenience to the neglected cellar.

"The Fire That Burns Up-hill." It explains the Spencer scientific principle in detail.

What Spencer owners say

"This was our first winter with a Spencer Heater and, I want to add, our most comfortable one. Our heater has proved its worth many times over. It has given splendid results and at a net saving in our coal bill of $105.78. It has done all you claimed for it, and I recommend it to the highest possible terms."

Ralph B. Clappinger,
223 Westminster avenue, Merchantville, N.J.
Let WALKER MAKE
Your Kitchen

The kitchen of your new or old home should be
modern. Our Kitchen Planning Dept. will be
glad to prepare layouts from blue-prints or rough
drawings without obliga-
tion.

Modern Kitchens
Mean Modern Homes

TO BE modern and progressive (and present-day living demands that of
home owners) you must disapprove of hand
dishwashing. Most of your activity in the
kitchen centers around the sink; you can make
that sink not only solve the age-old problem of
dishwashing but you can build around it every
modern influence for doing work better. Preju
dice and skepticism about machine dishwash-
ing disappear when you see the WALKER at
work.

With present-day terms, you can buy a
WALKER without embarrassing your budget.
Do not put off using this new influence for a
modern kitchen.

Let us send you an interesting story, "The Dawn
of a New Day in Your Kitchen," that explains
the WALKER principle and describes
models for every requirement.
WALKER DISHWASHER CORP.
Dept. 1702, Walton St., Syracuse,
New York.

XX

WALKER
ELECTRIC
DISHWASHERS
Sink and Cabinet models
© 1920, W. D. C.

Housing your books
Continued from page 527

The small mahogany book cabinet on the left
may be placed near a chair or against the
wall, and its top provides a convenient shelf
for ornaments. The bookcase is made of pine
and painted green. (Courtesy Stern Bros.)

covers of the books may be ever so
attractively done, they are, in effect, the
original motivation. Certainly
you, yourself, will be far better satis
fied when surrounded by your old
familiar friends than if you had a most
harmonious array chosen solely for
the eye.

There is always a special appeal to the
bookcase which is built into a
room, and builds up the room
seamlessly, and yet it may be notched to fit well
carved into the wall. It may be placed at wide intervals from one
to another, and stained a deep brown,
without the addition of varnish. The
soft color of the walls formed an ad-
mirable background for the books,
and the whole effect was completely
studied and thoroughly livable.

If you do not care for home
construction in your shelves, the
shops offer innumerable solutions of
your problem. Suppose, for instance,
that the lines of your room require
height in a certain spot, although
your books are few in number. The
bookcase may be had ina wide choice of finishes.

It consists merely of a series of shelves
held together by uprights at either
end, but it may be notched to fit well
over the baseboard or floor moulding of
the room, and saved at a minimum cost against the wall. When it is painted or stained
the same color as the wall or wood-
work, it becomes an integral part of the
room. Its chief virtue is that it
readily becomes a part of quite an-
other room in quite another domicile
by the simple addition ofa new
coat of paint.

For some mysterious reason, the
bookcases made by an artist or craft-
manship always look better in pairs than
singly. The nice sense of balance which twin bookcases impart to a
room seems to obscure any defects
in the workmanship that might otherwise be apparent. A good place
for twin bookcases is beneath a
pair of windows and the tops of the
bookcases may be utilized as window
seats in this case.

One delightful room which I have
seen, furnished in old English style,
had walls of mellow tan plastic paint.
An entire side of the room was de
voted to books, the shelves being
placed at wide intervals from one
another, and stained a deep brown,
without the addition of varnish. The
soft color of the walls formed an ad-
mirable background for the books,
and the whole effect was completely
undisturbed and thoroughly livable.

To cut a long story short, I have
nothing against bookcases; I am
always in favor of them, but I do not
like to see them divided into a
series of compartments, as I always
think they look rather too much like
a library.

Let us send you an interesting story, "The Dawn
of a New Day in Your Kitchen," that explains
the WALKER principle and describes
models for every requirement.
WALKER DISHWASHER CORP.
Dept. 1702, Walto1 St., Syracuse,
New York.

Let us send you an interesting story, "The Dawn
of a New Day in Your Kitchen," that explains
the WALKER principle and describes
models for every requirement.
WALKER DISHWASHER CORP.
Dept. 1702, Walton St., Syracuse,
New York.

To cut a long story short, I have
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always in favor of them, but I do not
like to see them divided into a
series of compartments, as I always
think they look rather too much like
a library.
PUT THIS AGE-LASTING BARRIER BETWEEN RUST AND YOUR HOME

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

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

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

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

a new

ORINOKA GLASS CURTAIN

inspired by

the exquisite tracery of

modern ironwork

\[ \text{From the forge-studies of modern} \]
\[ \text{metal-workers came the inspiration} \]
\[ \text{for this new Orinoka glass curtain. We} \]
\[ \text{name it, "Le Ferronner." It suggests} \]
\[ \text{the exquisite grilles work so much in} \]
\[ \text{vogue today. The motif, authentically} \]
\[ \text{modern in itself, is reproduced in} \]
\[ \text{glass curtains need no longer be neu-} \]
\[ \text{tiness and quality are characteristic of} \]
\[ \text{the whole line. Inspired by the new} \]
\[ \text{art and designed to conform to the} \]
\[ \text{new formality in decoration, they are} \]

wholly modern and sophisticated. Yet it is not necessary to have a modern room in order to use them.

"Le Ferronner," pattern No. 9627, is transparent, double-faced and does not lose its pattern when hung against the window. It is an amazing thing that over-draperies and casements as outstanding in design and color and texture as these should be so very practical. Yet Orinoka fabrics have proved their beauty is lasting, and are guaranteed undamaged.

Ask to see the many new Orinoka drapery fabrics. At your windows they will add the touch that transforms and beautifies. Mail the coupon for our booklet of new Orinoka fabrics handsomely illustrated in color. It is full of practical suggestions for draping windows. It is free.

THE ORINOKA MILLS, 215 Fourth Avenue, New York

Please send me, without charge, the new 24-page Orinoka booklet, "Color, the Secret of Beautiful Homes."

Name ___________________________ Street ___________________________

City ___________________________ State ___________________________

568

The American Home

GUARANTEE

These goods guaranteed fadeless. If color change from exposure to sunlight or from washing, merchant is hereby authorized to replace them with new goods or refund the purchase price.

A dignified home for books. Built-in bookcases are always a decorative addition to the living room.

Housing your books

Continued from page 556

holes which are both commodious and of the new bleached woods, they are apt to be expensive. One stand of particular charm is developed in walnut in a design suggestive of steps. The open section is painted green inside, and the bottom is a cabinet. This piece costs $79.50. Not so active in sale but equally delightful is a modernistic stand suitable to place next to a couch or chair and made in mahogany, which lends itself well to the small library.

Bookcases about three to four feet in height and rather narrow in width are to be had in a great variety of designs. There are Sheraton, Adam, and Queen Anne types, as well as some which are French in feeling. They may be had at all prices and those which cost from $22 to $45 make a good appearance and are most attractive for the small library.

A secretary provides another solution of the book problem. The lower part is, of course, a desk, and the upper section will keep the volume you most prize in good condition behind its glass doors. Secretaries in mahogany or painted wood, whether as small or as material shelf.

A Welsh dresser is at its best just now, much smaller in size but equally satisfactory. The open section, at $8.94. A bowl of ivy set in the middle of such a rack, or a small pot of flowers, a photograph, your smoking accessories. The bottom holds your literary treasures. I have seen these in mahogany finish, costing as little as $3.95, and very nice ones may be had for twelve or fourteen dollars.

Next in popularity come the little book cabinets which may be obtained in natural or painted wood, the latter making excellent night-tables for bedrooms. They have a flat top and an open front which usually holds a shelf or two, well spaced for books. One attractive stand of this type costs $26, and more elaborate ones in line woods run in the neighborhood of $35.

If you want to introduce a little touch of modernism into your room, the bookshelves of the moment are fascinating. As a rule, they are a haphazard collection of square pigeon

Orinoka
How we built our house

Continued from page 561

possessed a life and atmosphere peculiarly its own, and that is a mecca for lovers of early architecture. With the development of the highway system its main street became part of the thoroughfare between two large cities, and now carries a continuous stream of traffic; passenger cars by day, and by night, and all night long, huge and noisy trucks. Sleep is well nigh impossible, and while property may some day be valuable for commerce it is ruinous for residence purposes. Because any main street may become part of a through route, with traffic menacing to young children, a side street location may have advantages that should not be overlooked.

Considering unexpected bills for repairs or maintenance: In the locality in which Mr. Brown built his house the sewer and water pipes were laid and the streets were finished with paving, curbs and sidewalks, the share of his property being included in his purchase price. When real estate is bought in sections without these improvements, the owner should be prepared for the assessment that will be levied on his property to put them through. This situation should be studied before the purchase is made.

Concerning good hardware: In contrast to Mr. Brown's careful examinations is the story told by a real estate man of a house-hunting couple whose search finally narrowed to two houses. "If they had asked me," he said, "I'd have told them that one was better built than the other, and would give them more value for their money. But they weren't looking for advice, and they made their decision because one house had a folding ironing board and the other hadn't; and they picked the poor house." Comment on such short sightedness is hardly necessary, although it is typical of many house buyers who think only of present conditions, and fail to consider the many causes that may lead to loss of value.

Guest room trifles

Continued from page 556

and perhaps even a current novel or two.

Last but not least comes the closet. A dozen coat hangers, including ones which provide space for men's trousers, are by no means too many for the needs of most guests. You might have more. For the back of the closet door a shoe bag is a helpful article and they can be bought with various numbers of pockets and in various materials and colors. For the closet shelf a hat box would be a great asset. These also can be bought in any one of a number of sizes and colors. Then, finally, a pair of extra slippers and a bathrobe may prove useful in an emergency. Every so often there is a guest dinner who can be persuaded to spend the night instead of taking the milk train back to the city. He can paddle around in his bare feet but why expose him needlessly to cold floors? In case he has a wife you might provide a smaller and more feminine pair of slippers and a bathrobe as well.

And speaking of trains, if you are a suburban dweller, one of the most tactful ways of making a guest absolutely comfortable is to place all the necessary timetables in a convenient but not conspicuous place in the guest room. This obviates the guest's painful necessity of having to ask the hostess when he can go! And people who do not commute never remember to collect timetables in the station.

Many of the items which I have mentioned can be made to add to the attractiveness of your guest room as well as to its convenience if you use proper care in selecting colors. Blankets, lamp and shade, the boudoir set for the dressing table, hat box, shoe bag and hangers for the closet, desk blotter, ash trays, cigarette box, and bathrobes should all be chosen with the decorative scheme of the room in mind. Fancy boxes are so popular nowadays that it is easy to find ones which are suitable for holding the sewing equipment and the cosmetics. In fact, for the latter use there are special make-up boxes which are conveniently divided into compartments and contain mirrors on the inside of the covers. If price is not an objection to you you can buy these boxes filled with every conceivable dressing table need. They run from $12.50 up. To make your bathroom especially attractive select your towels, wash cloths, soap, bathtubs and bathroom bottles in one color. The latter can be had in a great variety of design and add a distinctly gay note to any bathroom.

Lest you think that these extra touches are expensive luxuries which have no place in a modest home let me quote you some actual prices. Prices naturally vary in respect to quality, season of the year, and the store in which you are shopping; it is therefore necessary to add that I have in every case selected standard merchandise of good quality.

<table>
<thead>
<tr>
<th>Item Description</th>
<th>Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>All wool blankets, fancy colors</td>
<td>$15.00</td>
</tr>
<tr>
<td>Down-filled comfortable, satin</td>
<td>15.00</td>
</tr>
<tr>
<td>teen cover</td>
<td></td>
</tr>
<tr>
<td>Boudoir set for dresser, ten</td>
<td>10.00</td>
</tr>
<tr>
<td>piece</td>
<td></td>
</tr>
<tr>
<td>Cosmetics</td>
<td>1.61</td>
</tr>
<tr>
<td>Bathroom supplies</td>
<td>4.50</td>
</tr>
<tr>
<td>Assorted pins and hairpins</td>
<td>.96</td>
</tr>
<tr>
<td>Sewing equipment</td>
<td>2.17</td>
</tr>
<tr>
<td>Shoe polishing outfit</td>
<td>.90</td>
</tr>
<tr>
<td>Desk supplies</td>
<td>2.15</td>
</tr>
<tr>
<td>Lamp and shade</td>
<td>4.88</td>
</tr>
<tr>
<td>Matches, ash tray, cigarette</td>
<td>1.15</td>
</tr>
<tr>
<td>box</td>
<td></td>
</tr>
<tr>
<td>Carafe</td>
<td>5.50</td>
</tr>
<tr>
<td>Closet equipment</td>
<td>2.81</td>
</tr>
<tr>
<td>2 pairs of slippers</td>
<td>3.50</td>
</tr>
<tr>
<td>2 bathrobes (each)</td>
<td>5.00</td>
</tr>
<tr>
<td>Extras</td>
<td></td>
</tr>
<tr>
<td>Make-up box (empty)</td>
<td>2.25</td>
</tr>
<tr>
<td>Sewing box (empty)</td>
<td>2.25</td>
</tr>
<tr>
<td>Bathroom bottles, per bottle</td>
<td>1.00</td>
</tr>
</tbody>
</table>

It's been said of Mettowee Stone

"The pathway that blends naturally with its environment"

Of variegated natural colors Mettowee Stone is rapidly displacing the cold, meaningless slabs of ordinary flagging. And irregular shaped pieces are, too, a modern development expressing an alluring sense of informality. Porch floors, terraces and interior floors also are places where this charming flagstone displays its harmonizing beauty.

Your nearest building material dealer will be glad to show you samples and places where it has been installed. If he does not carry it, write for the name of our nearest dealer who does. Also our illustrated pamphlet "S" will be mailed upon request.
Make the roof Beautiful—but PERMANENT TOO!

Leadclad are made in six designs, Shingles one of which will harmonize with the architectural style of your home. A patented side panel keeps rain and snow from seeping under the shingles—no soldering or forming is required. A home roofed with Leadclad Shingles is fire and lightning proof with low insurance.

Gutters and Conductors are made from Leadclad sheet, as well as Leadclad Copper. You can make your own gutter and conductor pipe for little more than ordinary galvanized. Get this lasting protection NOW for your home. For new dwellings or reroofing—consider Leadclad, you’ll be money ahead. The complete story of Leadclad is told in “Defying Age and Time,” a booklet which will be mailed to you free upon request.

Wheeling Metal & Mfg. Co.
Wheeling, W. Virginia

Modern reflectors
Continued from page 328

is too narrow, a large mirror placed on the center side wall will serve to greatly widen its appearance. If, on the other hand, the room is wide and short, the mirror should be used, if possible, on one of the end walls, performing the same service in elongating the effect.

The mirror for the modern home should be selected with reference to the purpose it is to fill and must be sympathetic in outline to it. For example, if the space is higher than wide, a broad mirror should be used. In the same way the mirror should conform to the article of furniture over which it is placed.

When the first looking-glass made its appearance in America, it was high-priced and only extremely small ones were obtainable. These were luxuries only permitted the wealthy and were displayed by the fortunate possessors with great pride.

Architectural effects were adapted from Greek ornament and little round mirrors were set in panels at the top. The gilded American Eagle was much in evidence and was repeated on the mirror frame, giving it a mouth a string of balls or spray of laurel which would drop down the side of the border.

A well chosen mirror is a valuable possession. The first look at morning may be the last look of the day, but one of the many samples of its permanence. This age-old protection of Lead has been found to give excellent decorative results. These were luxuries only permitted the wealthy and were displayed by the fortunate possessors with great pride.

Modern reflectors
Continued from page 328

Leadclad are made in six designs, Shingles one of which will harmonize with the architectural style of your home. A patented side panel keeps rain and snow from seeping under the shingles—no soldering or forming is required. A home roofed with Leadclad Shingles is fire and lightning proof with low insurance.

Gutters and Conductors are made from Leadclad sheets, as well as Leadclad Copper. You can make your own gutter and conductor pipe for little more than ordinary galvanized. Get this lasting protection NOW for your home. For new dwellings or reroofing—consider Leadclad, you’ll be money ahead. The complete story of Leadclad is told in “Defying Age and Time,” a booklet which will be mailed to you free upon request.

Wheeling Metal & Mfg. Co.
Wheeling, W. Virginia

Modern reflectors
Continued from page 328

Modern reflectors
Continued from page 328

It is in the bedroom or boudoir that the more (continued on page 574)
Even the waffle iron
fails to bring the temperature
up to 72 degrees

With the heating plant, the oil stove, the
electric toaster and two flatirons going full
blast, the living-room thermometer
registers barely 65°. But the Cold
Family Robinson fights on.

Father, struck with a hot idea,
plugs in the waffle iron. But a fresh
blast of chilly wind outside sends
the mercury—down! Drawing his
blanket closer about him he remarks
that "that old iron never was worth
a darn, anyway." Mother, who con-
siders that crack a direct reflection on her ability
to make waffles, returns a look of ice.

Maybelle, shivering and humiliated to tears,
calls up that detestable Warner boy and says she
will go to the dance after all, if they go right
away. (That's one way to solve the problem!) "I
got a fire in my snow house," announces Junior,
"and it's warm as toast. Let's all play Eskimo
and spend the night out there." Sent off to bed
without his supper, he's glad—because Rex will
snuggle close.

What a lot of trouble the Cold Family Robinson
would have saved if, when building, they
had used International Heating Service! The In-
ternational Plan absolutely guaran-
tees adequate heat—up to 72°—for
every room, in any weather, with
economy in first cost and operation.

This provides infallible assurance of a dependable furnace or boiler
properly installed. It solves a vital
problem for those who build, buy or
rent. And applies to business build-
ings, schools, apartment houses, etc.,
as well as private homes. Write for full particulars
about Complete Heating Systems guaranteed.
Window Screens Modernized!

Rolscreens

—never taken down for storage
—roll up and down
—all metal construction
—built in with the windows

Rolscreens offer the home owner something more than clumsy protection from insects. These modern, all metal screens are in good taste harmonizing with architecturally beautiful windows.

They are scarcely visible having no awkward frames and the special electroplated "AluminA" wire offers a clearer vision often passing unnoticed. There are many worthwhile features of these modern window screens that are never taken down for storage. They are built in with the windows to be forgotten as they continue to serve.

No doubt you, too, will want them in your home. Rolscreens are adaptable to any type of window.

A section through guide showing lug in selvedge of screen wire which prevents screen from sagging. "non-sagging" feature found only in Rolscreens.

Stenciled floors—a new treatment

Continued from page 532

wonderfully with a stenciled border in black. You should order your stencil for such a border ten inches wide, and place it to start three inches from the wall. Or again, we will assume that a plain all-over rug or carpet covers the floor to within two feet of the walls. You may now want to strike a decorative accent with a narrow border in a contrasting dark color four inches wide. Let this narrow band start eight inches from the wall.

For a children's playroom the stenciled floor offers many alluring suggestions and your imagination can run riot. Huge checkerboards can be stenciled and games of many kinds painted. In one delightful nursery a conventionalized border in Dutch blue was painted on a light gray floor. This tied up with the woodwork which was of the same blue, and touches of it were used as accents in the bunch of colors comprising the ornamental design which decorated the dainty light yellow painted furniture. Another playroom I know of has a blue painted floor. Two feet away from the walls runs a narrow two-inch strip of black, and inside of that are two processions of black and yellow ducks marching (or, shall we say, swimming?) around the room. The ducks, each six inches long, are spaced to just about suit the measured steps of a three-year-old. In that particular home "walking the ducks" soon became a favorite game.

The playroom opens up a whole whirl of amusing, entertaining, or educative designs. Checkerboard arrangements in colors, and other simple geometric borders any mother could easily create. There is a rare pleasure in doing it yourself—even if you go no farther than to make the rough design. All you then have to do is to send your sketch to a maker of stencils with an indication of the size desired, and a stencil will be made to your order at a nominal cost. A stencil is cut out of specially prepared heavy oiled paper. If you are going to apply your design yourself, it would be well to obey the following rules:

1. Place it in the right position on the floor. Be exact!
2. Don't have much paint on your brush!
3. Don't have much paint on your brush.
4. Don't have much paint on your brush.
5. Don't have much paint on your brush.

One reason for the zeal of the floor painting enthusiast lies in the unusual quality of some of the new high grade floor paints; they are virtually a covering. They offer a peculiar richness of tone and a most attractive face, a comforting elasticity and a wearing quality that successfully withstands any amount of the hardest usage. They are sanitary and easy to keep clean; and can answer every decorative purpose of a far more expensive floor.

The teaching of art in our public schools is undergoing a revolutionary development. The creative ability of the individual pupil is being encouraged. Art education is less restricted, more alive; less pedantic, more inspired. Public taste is improving. Our boys and girls of to-day are the home-makers of tomorrow. Give your growing boy and girl an added incentive to exercise their own good taste and initiative by letting them work out a stencil sketch for the floor of their own room. Let them set their imagination to work and thus have the fun of being artistic creators themselves. By so doing they learn to appreciate the practicality of art.

[Names of reliable stencil makers furnished on request by Miss Weber who will answer all questions about this new floor treatment.]

Modern reflectors

Continued from page 572

personal use of the mirror is demonstrated. A full length glass is quite essential to the successful toilet of the fastidious dresser. If you are fortunate and can afford one, there is a charming full length mirror to be had, in a plain painted frame arched at the top with a small floral panel decoration. At the bottom is a low shelf and the whole is supported by two cabriole legs.

There are all sorts and kinds of wall mirrors for over the dressing table. Copies of French mirrors for the more elaborate rooms and Colonial reproductions for the simple cottage bedroom. Of the less expensive frames, we find extremely simplified examples of 18th century mirrors often called "Chippendale." These are much in demand both in maple and mahogany. I saw one the other day in size 24" x 24" as low as $18.94. In the same group was a black and gold "spool" framed glass for $15.89. For bedrooms furnished with maple or mahogany and decorated with chintz these mirrors will be quite suitable.

There is also the detached triplicate mirror made to stand on the dressing table. These can be easily adjusted so that mislay can view her head from every angle. They may be found at $52.00, with others at higher prices depending upon the quality.

The vital part that the mirror plays in the decorative scheme makes the selection of this accessory a serious study.

[Miss Daggett will answer any questions on mirrors and will aid in buying any of those mentioned above.]
THOUSANDS OF COUNTRY HOMES NOW COOK WITH THIS REAL GAS—PYROFAX

“IT'S THE GREATEST JOY EVER . . .

Greatest possible convenience . . . Gives very quick results”

—Mrs. S., New York State

That is an endorsement of Pyrofax Gas Service by another happy housewife who is now cooking on a genuine gas range with real gas—in a country home many miles from the nearest gas main. Hundreds of enthusiastic letters come in to us from men and women who could scarcely believe such a perfect cooking service possible in the country until they had seen and tried Pyrofax.

Do not confuse Pyrofax with liquid fuels. Pyrofax is real gas, stored in steel cylinders and delivered by a nationally organized service maintained by one of America’s largest manufacturing corporations. Pyrofax is used only with genuine gas ranges because it is genuine gas. It burns with a hot, sootless, instantly controlled flame that makes cooking a real pleasure.

CONVENIENT TERMS

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

Every woman will be interested in the handsome gas ranges the Pyrofax dealer can supply with Pyrofax Gas Service. Modern ranges with every possible convenience. Those enameled in color are particularly attractive. There are shades of green, red, gray and blue to choose from. Or you can have spotless white and shining nickel combinations if you prefer them.

PYROFAX DIVISION
CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

Carbide and Carbon Building, 30 East 42nd Street, New York

Chicago—Peoples Gas Building  Boston—1017 Old South Building  San Francisco—114 Sansome Street
Cleveland—Madison Ave. and  St. Louis—4218 Forrest Park Boulevard  Detroit—General Motors Bldg.
W. 117th St.  Washington  Toronto, Canada—92 Adelaide Street West

Every type of range will make you happiest can be yours, with this real gas service, to make your country kitchen a picture of modern cleanliness and convenience.

Only a small initial payment is needed to have Pyrofax Gas Service and a modern gas range installed in your home at once. Let us send you complete information and the name of the nearest dealer who can demonstrate Pyrofax and show you what handsome ranges are available with it. Return the coupon.

Pyrofax equipment, including the gas range of your choice and complete installation, is surprisingly low priced. Learn how easy it is to have this clean, convenient, economical gas service in your country home. Send the coupon.

PYROFAX DIVISION
A. H. 3-29
CARBIDE AND CARBON CHEMICALS CORPORATION
(Please address office nearest you)

Please send me some of your interesting literature on Pyrofax and the name of the nearest dealer.

Name

Address
"We planned new protection for new dangers..."

Furnishing the combination room

Continued from page 530

on any type of budget has one or two really forceful pieces of design and immediately there is a distinct quality of definiteness of character expressed. And when we walk along those furniture aisles in the big stores, it is worth while to recall this fact. Save money for your "key" pieces of furniture and buy only when you are sure that you have selected something to set this characteristic tone. We shall discuss this point further later on.

In the second place, in this grouping there is a quiet diversity of things such as, within our means, we can all have. The little book niches, with either contrasting or the wall color inside, make delightful accents. If the room has nothing of this sort, we can still make a note that books add a distinct decorative feature when neatly assembled and often an otherwise bare space can be made attractive with even the simplest of bookcases painted nicely.

There is a third outstanding point to remember in this type of room which the black and white illustration cannot record for you. That is the importance of the definiteness of color contrasts. When I say "the walls are a beautiful soft green," you will want to walk in to sit down and enjoy them. Those wall colors are tremendously important. In a case such as shown in the picture, you can use a less interesting wall color than you can in a room where the textures of the upholstery are not as varied and subtle. But given, in this latter case, a fine wall color, good clean contrast of color in rug, draperies or furniture covers, you can have a good room even with very inexpensive furniture. Then if you select very cautiously the one or two pieces of equipment for keynotes, you can have exceedingly lively and interesting effects for very moderate sums of money.

Visualize this room with a soft green wall, a deeper green damask with roughish weave in antique style on the sofa, dull old red on the big chair, tan, green, red, and deep blue in the rug, walnut tables, very deep red vases, and the picture a gorgeous flower piece assembling all those tones. At once you know it is an agreeable place. One lamp is brass with a soft yellow shade bound with green; the other is a pottery base of green mellows the light and, as in the first illustration, provides a definite effective tone against which it is easy to work with notes of contrast. Someone else might have chosen a handsome blue. It can have a lovely effect. One of the new dullest peach tones would have been perfect for another person who loves a sort of color. And, for the very austere or dignified person, a good gray could have been worked into interesting combination.

Green being this particular choice, let's see what makes the big contrast. The floor has no Oriental rug with its varied color bits. The rug is a plain Broadloom Wilton in a green that is a little deeper and a little darker than the walls but not, of course, in a clash yet, but can't you begin to feel the atmosphere of the room? The contrast is thrown into the curtains (remember there are two sets of windows) which are a glazed chintz. The background is soft cream and the flowery design is large and definite in gorgeous bunches of red, green, blue, yellow and purple, with the red and green predominating. Color character has always been one of the lion's share of the decorative work before I have told you a single word about the furniture. This happens to have been very well selected, although there are no really very costly pieces in the room except the big sofa. That is an excellent piece. Occupying the long wall opposite one set of windows, and since these two walls are the two principal decorating points (on account of the right-hand narrow wall being broken by the bed closet door and the other two entrances to it), was particular importance that this piece of furniture be as good as the owner could afford. The lines are excellent and the covering is a deep warm henna red in broken weave, thus picking up the strength of the color contrast established by the two groups of windows and making a central balancing point for the long wall. This is flanked on either side by two painted bookcases (done by the owner) in the modern style, with high center and narrower sides. These are painted in the wall green but echo the brighter notes of henna red on the inside. With... (continued on page 578)
The way to avoid the consequences of installing cheap pipe is not to install it at all. The time to avoid such consequences is when the work of installation is yet to be done.

When your plumbing or heating system has been in use five, eight, or a dozen years and begins to break down, you would be very happy to reinforce it and lengthen its life, if you could do so without the necessity of tearing up walls and floors to get at the pipes. Impossible, of course. But it can be done now, fortunately, when you are at the point of building. Find out what your plumbing and heating systems will cost—labor, fittings, and everything included—if you use the lowest priced pipe obtainable. Add 5%. That tells you what it will cost to put rust-resistant genuine wrought iron in place of the more perishable material.

Your architect or contractor can verify this figure. They can tell you, also, that Byers will last a lifetime. The added five per cent that you pay for a good wrought iron installation gives you two to three times longer service from the whole system, and thus comes back to you ten times over.

Beautiful wrought iron doors, screens, grilles, fences, gates and other things, made by the craftsmen of the Middle Ages, have withstood the ravages of rust. The cathedrals and castles of the Old World abound with examples. In our country, wrought iron work, dating from Colonial days, has survived to delight the present generation. The rust resistance of wrought iron has become emphasized in our day, by contrast with the rapid rusting of modern metals. Byers Pipe is made from the genuine old-fashioned wrought iron. Be on your guard against cheaper substitutes, which look exactly like wrought iron. Specify Byers, the pipe with the Spiral Stripe.
"Appeal effectively to the higher aesthetic tastes"—BECKWITH

Long ago people of unerring taste discovered that articles of adornment have an immense value in variety to select from. There are bowls, vases, candlesticks, wall-pockets, jardinieres, hanging baskets... decorative touch superb and uncommon. And so the dashing lines . . . the fearless spirit that Roseville craftsmen have so artfully given them.

"What to look for when you buy or build"

The American Home 

Furnishing the combination room

Continued from page 576

the book colors, and the red of the sofa, the effect is delightful. Over the sofa hangs an old tan and green and red print. In front of the sofa, at the right, is a small walnut stand with ash tray and cigarette box. This latter is a soft yellow and green note in irregular block lined pattern, modern style. The pillows on the sofa are in gray, two green velvet with red binding, and two smaller ones, one soft yellowish gold and the other a brilliant red bound with the yellow gold.

Opposite this group in the window is a gateleg table in dark walnut, flanked on each side by a comfortable chair. The table is usable for dining when desired. The chair at the right is very properly a wing chair, and covered with chintzs of soft dark red background and small green and yellow figures. This is partly in front of the generous high chest of drawers, perfectly simple and painted green like the wall. This might have been a nice maple piece with much designation. Character, or, under other circumstances, it could have been a mahogany highboy. The chair at the left is comfortable but a little less ample and pretentious than the wing chair. The owner saved money here, and put the emphasis on the wing chair so as to get more character into the room at a lower cost. This second arm chair is covered with a green and yellow material that gives brightness but is not too strong. The dominant note is green. The stool has a yellow material on it, and the legs are the walnut tone. All of the windows are well draped with good French pleated valances and curtains to the floor, making pleasing frames for the window settings, quite necessary in this case to establish any sense of character in the room. In front of the second window (left) is a simple table desk with high-back arm chair is front of it, with a red pad in the seat. At one side near the radio is another straight chair set against the wall on the sofa side, the companion to the desk armchair in dark walnut. The table desk is in dark walnut, and the straight chairs. A "modern" lamp is on the gateleg table a round pottery affair in light tan color. It has a tan shade running into green with some yellow notes on it; the groundwork is a soft very light tan. The picture above the radio and the green chair carry the color notes, and add definite interest.

But this is only one sort of thing that can be done in these circumstances. Suppose the problem is the little suburban home and this is the family living room. The definite color tone, such as green, is stronger than what all of the family likes. What can we do? Suppose the apartment is much smaller, a little room 12 feet x 14 feet, and the furnishing must be done for much less than this one. What then?

Key to Chart on Page 530

What to look for when you buy or build

Continued from page 564

help in keeping a dry cellar during protracted rainy season and the cost nominal. Dampproofing is simple and often consists simply of a coat of hot pitch put on with a mop. Such a coating is shown in the picture above the wall—once more a double job for the wall. But this is only one sort of thing that can be done in these circumstances. Sometimes the introduction of a line of drain tile laid in broken stone and leading away from the house will clear up the situation, but more often it will be necessary to waterproof the wall up to a point above the water level. It is practically impossible to suggest an effective remedy until all conditions are known, but a few general observations may be of some help.

First of all, get the opinion of one who is experienced in this kind of work and fight shy of the salesman who says "All you have to do is paint it with my preparation." Usually that sort of remark indicates not only a lack of knowledge, but a lack of respect for the power of water. Your cellar wall must be strong enough to resist the pressure of the water and so "fight" as to prevent the penetration of the water into the wall—once more a double job for the wall.

There are many types of water-proofings—powders and liquids mixed with the masonry during construction (integral waterproofing), preparations mixed with mortar and applied to the surface, alternated of tar and felt applied on the outside, and others. All have their particular uses and good points, but no waterproof material or method is better than the workmanship used in applying it. Probably the best insurance obtainable in waterproofing work for residences is the knowledge and integrity of the water-proofer. Price is even less of a consideration than in any other building problem. There is no choice between paying a little more and getting a tight job, and "saving" some money and getting an imperfect job with its continual annoyance and constant menace to health.

It might be stated here that good buildings of whatever size or kind are not usually on the bargain counter and that the tendency of the average purchaser to overlook fundamental requirements of good building unquestionably causes the loss of enormous sums each year. Information as to what constitutes good construction materials and practice is easy to obtain. He who is hired by the bust of the bargain hunter will pay in the end.

Look into the materials and methods used in the foundations of your house and do not begrudge a little more money to assure yourself of quality—it will earn dividends for many years to come.
How to remove stains

L. RAY BALDERTON

Removing stains is almost an everyday household necessity. Some are very easily washed out, but many seem difficult, especially if the worker has had little experience. A good plan is to establish a stain kit, as it may be called, and have a working outfit. For this prepare definite solutions: Household ammonia, reduced with water, 1 to 1; oxalic acid solution, reduced with water, 1 to 1; and Javelle water, which is a bleach for white cottons and linens. Have besides a small bottle of hydrogen peroxide, potassium permanganate crystals which will be kept in a solution, denatured alcohol, and carbon tetrachloride. The recipes that follow can be prepared, well labeled, and then ready for use, kept in well corked plainly marked bottles.

Recipes:

Javelle water
1 lb. washing soda
1 qt. boiling water
1/4 lb. of soda in one bowl
1/2 lb. of chloride of lime
2 qts. cold water
(Mix in second bowl; finally all together; then let settle and use clear liquid only.)

Oxalic acid (ready to use)
1 teaspoonful of crystals (oxalic)
1 cup water

Potassium permanganate
1 teaspoonful of crystals of
1 qt. water

Hydrogen peroxide
Buy in small bottles and just before using add a few drops of ammonia to that used. Old peroxide has no value, hence it is better to buy the small bottles.

Cottons and linens being studied are not usually affected with dilute acids and alkalies, but silks and woods are weakened and in extreme cases dissolved in alkalis. That immediately tells us that, like a good doctor, we must carefully prescribe the right “cure” and know the patient. Always use the simple agents first and be sure that it is safe, then when the worker is in doubt as to the stain, to use cold water first, never hot water on an “unknown.” The delicate fibre controls the work. Wool and cotton fabrics are to be treated as wool.

Spread any stained fabric over the top of a small bowl or glass. Moisten with a few drops of water, and then drop by drop, apply the stain reagent until the change is produced. Iron rust stain, for example, changes from red to yellow as it gives way to oxalic acid solution, and then a hot rinse finally washes it away. An old stain will require repeated treatments and is slow in response. If the worker expects to wash the garment after the stain is removed, the work is less detailed, but if the thought is to prevent a water spot, put the stained fabric on a folded white cloth or a white blotter (instead of over a bowl), and by means of a blunt end of a match, or a glass stirring rod, apply the water or the chemical. The blunt end is much safer, for it is only a little water that clings to the rod, and by shaking the rod the quantity of water is still further reduced. Such work is detailed and slow, but usually gives good results. Each time the solvent (whether one or two alternately) is used, press the solvents and clean by liquefying grease. In the commercial dry-cleaning processes, the solvent is used in such quantity as one would use if washing in water. Perhaps this is the reason our home work is less satisfactory in results. We use it in too small amounts and do not rinse enough. Again we must suggest that gasoline or benzine is always used with a risk of fire, and should never be used in the house in connection with fire of any kind from a cigarette to a match, or near a gas stove or gas light.

Steam will help to overcome water spots, but the method suggested above is really better. A spill of water or a chance shower will probably spot many of the fabrics, and two may be tried to renew the gown.

One way is to hold the fabric over steam until it is just dampened but not wet, and then quickly shake dry. The other way, especially with some of the silks of to-day, is to have the whole garment pressed with a dampened cheesecloth under the iron, for this is really sponging as is done in shrinking woolens. A thin gauge cheesecloth is the best material for silk work, while a thin muslin is good for wool. This is possible by putting a small quantity of water in the teakettle, and let it boil continuously to produce a jet of steam over which shake the fabric. Too much water may produce a spatter that in turn can spot.

To remove

I. All fats or grease—like chocolate, gravy, cream, soups, oils.

Use
1. warm water and soap or
2. carbon tetrachloride, alcohol or
3. magnesia, Fuller’s earth

II. All albumenes, like egg-white, cheese, blood, mucus.

Use
1. warm water or
2. water with a few drops of ammonium (if color permits)

III. All sugars, like punch, jellies, gums, jams, honey, sugars.

Use
1. warm water or
2. water with a few drops of ammonium (if color permits)

IV. All dyes, like ink, iron, tea, peach, color dyes, grape juice, argyrol, tobacco, bicloride of mercury, grasshopper stain, mildew.

Use
1. dilute oxalic acid or
2. oxalic acid and ammonia or
3. potassium permanganate and oxalic acid or (continued on page 584)

A home in the Philadelphia suburb of Wynnewood. The beautiful window seat (a Tuttle & Bailey Cabinet) conceals the radiator.
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HEARTSTONE EDITOR, THE AMERICAN HOME, GARDEN CITY, N. Y.

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Send for
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Putting up shelves

JOHN A. WHITE

DO YOU know how to put up shelves that will stay put?
You might think it is an easy task, but it is not. Trying to fasten brackets to a brick wall is a difficult matter-unless you do it the correct way.

It is important to know about how much weight is going to be put on the completed shelf. For instance, a shelf designed to hold a small alarm clock and a match box can be put up by merely driving nails through the brackets into the mortar between the bricks. That, however, will not do when a stronger shelf is required. You must then be sure that the supports driven into the bricks will stay.

There are two ways of making them secure. One is to make a hole in the mortar between the bricks, and fill this hole with a wooden wedge, into which a nail is driven; the other is to make the hole in the brick itself and fill that with a wooden wedge.

The difference is more in convenience than in results, although, theoretically the hole in the brick ought to give a stronger construction than the hole in the softer mortar.

If the wall is not plastered, try to make an ordinary cold chisel, and, with the hammer, an inch larger than the hole. This can be done more readily at the joint of two bricks. Make the hole deep, at least four inches. Then make a wedge of soft wood an inch longer than the hole is deep, small enough to enter the hole easily at one end, and tapering so that the larger end is a quarter of an inch larger than the hole.

Make this wedge taper more readily at the joint of two bricks. Make the hole deep, at least four inches. Then make a wedge of soft wood an inch longer than the hole is deep, small enough to enter the hole easily at one end, and tapering so that the larger end is a quarter of an inch larger than the hole.

Drive this Wedge home using a block of wood between the wedge and hammer to take the hammer blow, so that the wedge will not split. A long screw or a long nail will hold this block exactly as if in a stud wall.

How to remove stains

Continued from page 581

4. Oxalic acid and Javelle water
V. All stains of various characteristics: vaseline, grass, tar, stove blacking, shoe polish, indelible pencil, wagon grease, metal polish, lamp black, butter coloring.

Use
1. warm water and soap
2. kerosene and warm soda water
3. carbon tetrachloride
4. paint remover

VI. All paints, like varnish, paint, fly paper, glue.

The detail to make this work of stain removal plain is after all just reading carefully, and then connecting the fabric, the stain, and the method of removal. Make a trial step to test and to prove, and then one is ready to proceed with assurance.
IF TODAY YOU HAVE THE SITE AND THE IDEA

in a short time you can have your
summer home—complete!

You wouldn't want an umpty-seven room palace for your summer play-home. The servant problem is bad enough as it is. But you can have an attractive summer home in your favorite vacation spot ... a home invitingly simple, perfect in taste ... and you can toss over your shoulder the cares and worries of building, and be ready to move in almost before you know it. Have you considered a Hodgson House?

So many people of means have chosen Hodgson Houses for their vacation lodges and homes. For in their simple dignity of plan, and graceful harmony of line and contour, they are architecturally "at rest" in the most picturesque surroundings. Physically "at rest" in the most strenuous weather. Comfortable, durable, hospitable, roomy—and they can be enlarged at any time without spoiling the plan.

We use the finest materials, such as cedar and Douglas fir, in building the sections of Hodgson Houses. These sections are shipped to you, carefully finished, ready to erect. They fit tightly together, held absolutely rigid by heavy iron key bolts.

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Among the variety of plans in the Hodgson booklet you're sure to find one that fits the picture you have in your mind. The picture of the vacation home you've dreamed of—but put off because you "didn't have time to build." A small shooting lodge for yourself and your friends ... or a spacious dwelling with extra baths, maid's room, sun-parlor, library ... you'll leaf over the booklet and say, "There it is!"

Send for the free booklet K Besides the plans and pictures it gives prices and complete information. Write to E. F. Hodgson Co., 1108 Commonwealth Ave., Boston, or 6 East 39th St., New York City. Also Bradenton, Florida.

HODGSON Houses
What you should know about fire insurance

CARLETON A. SCHEINERT

Fire insurance is a protective coverage on the greatest majority of American businesses and homes, and their contents. But the average purchaser of this insurance does not read the contract or policy; instead he puts it away securely, with the belief that, in event of a fire, the loss is paid, not knowing or realizing that there are certain conditions which must be complied with, which are stated in every contract.

Fire insurance is a personal contract between the company and the insured. It does not cover the goods or building named in the policy, but the "insurable interest" of the one to whom the insurance is issued in the goods or building. So if one does not have this "insurable interest," of course there can be no loss, and therefore no claim can be made and collected. The test of an insurable interest is—would the assured suffer an actual loss if the property is destroyed or damaged? For the insurance contract is one of indemnity, and indemnifies the assured against loss by fire to an amount not exceeding the actual cash value of the destroyed property. And of course, not over the amount stated in the policy. Thus nothing can be gained by over-insuring, as is sometimes done. The assured should at times check the actual value of the goods or building insured with the amount of insurance, and increase, or decrease, the amount of insurance accordingly. If property values increase, the insurance should be increased accordingly.

As the assured always knows the value of the property insured (or is assumed to) it is for him, or her, to give proof of loss to the company. For this reason it is advisable for every housekeeper to keep an inventory of all household goods, giving each their present-day replacement cost, and all of your own and your family's personal belongings with their values so that in case of a loss, the adjustment and payment can be simplified. Also, no articles will be overlooked, as well might be the case if one tried to remember just what had been destroyed. To fully realize the value of such an inventory sit down with pen and paper and list all your household goods, giving each their present-day replacement cost, and all of your own and your family's personal belongings. Can you do it? How easy it is to overlook some of the things! For rare is the person who can tell off the articles in, or the complete furnishings of, every room, and give their value! Or who can list by memory all of their licenses, and so on. The smaller the things are overlooked, yet they cost money.

Be sure that the property insured is properly described, and in the exact location given. Read the face of the policy (first sheet) and make sure that the building is properly described and its legal location given correctly. For it is only this location that the insurance covers. That your household goods are all included in the description given there, and that any other buildings, fences, and so forth, are properly notated and covered. For the insurance covers only the location given, except in case of fire, when it will cover "pro rata for five days at each proper place to which any of the property may have been removed for preservation from fire." This clause permits the securing of new insurance to continue the protection in the new locations.

Certain property is not insured unless the property is to be "sold in," (which contract includes "accounts, bills, currency, deeds, evidences of debt, money, notes or securities.") Also, a fire insurance policy is void if "the subject of insurance be a building on ground not owned by the insured in fee simple." The present is here, and the company will not consider itself obligated to pay a loss unless they have been notified, and the fact included in the contract.

If the insured's interest in the property ceases, the insurance also becomes void, unless the policy is transferred to the new owner with the consent of the company. This consent must be in writing, and the policy in issue. The issuing agent is as a rule empowered by the company to consent to such transfers, and sign the authorization.

In the event of making alterations or repairs make sure that you have the consent of the company, either in the original policy, or by endorsement thereon. Also, if your house, or building, is to be "sold in," (which insurance, means without furniture) for a period exceeding ten days, or "unoccupied" (which means with furniture, but without human occupancy) for a period of exceeding six months, see that the policy is endorsed accordingly. One of the great hazards is UnNOC upied ind vacant houses, and some companies, in the original policy, permit the premises to be sold, for thirty days instead of ten. Read your policy, inside pages.

Again, the building is not insured if it "or any material part thereof fall except as the result of fire." The insurance is insured on the premise that the building is in sound condition, and it is a much different risk if it is damaged or wrecked, previous to a fire. Also the assured is required to use reasonable care to protect his property in case of fire, either on his own property, or near by. This is reasonable, isn't it? And as a contract, the policy or it will be void. Some companies, in the original policy, permit the premises to be sold, for thirty days instead of ten. Read your policy, inside pages.

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Care of kitchen stoves
L. B. Ray

No matter how small or how large the stove, it is really the central concern in the kitchen. In many homes coal and wood are necessary, and while either is more work to operate and care for than gas or electricity, their care can be made an easy task, too. When buying a new equipment, select a stove free from nickel ornamentation, for even a small amount may rust, and which the constant blazing of the nickel is soon lost to sight! A little whitening mixed with ammonia and water will keep the nickel bright, but it does take work and time. Most blacking is black lead, which may be prepared by adding a little water, (sugar, too, will help to make a good polish) and then applied with a wand of paper or a dauber brush when the stove is cool enough to prevent any blacking turning to steam instantly. Let the blacking dry, then brush or rub long enough to create a polish. It is a latex over a hard and a hand-saver to protect the hand with a paper bag or wrap the hand with newspaper. In this way one can burn the paper and not have a pair of soiled gloves around.

If one keeps a fire day in and day out, it means more care of the stove and especially if one keeps the firebox so full that the hot coals are directly under the top plate. Such a fire usually means the stove must be kept blackened to prevent it "burning out," or the cast iron from oxidizing and looking like red rust. A wad of paper dipped into dishwater, or rubbed with thin coating of hard soap, will clean the stove. This can be done from the nearest hardware store merely by giving the name and number of stove.

The hot water pipes that are set next the firebrick in what is called the "water back," these should be kept free from ashes, otherwise one need not wonder why the hot water is limited. In the same way a deposit of ashes over the top of the oven may hinder the browning of food cooked in the oven.

Certain kinds of coal form clinkers, and such ashes unless well cleared out will fuse and adhere to the firebox, so it is best to have all clinkers removed. Should these clinkers attach themselves, line, or oyster or clam shells may be banked up beside the fire and a hot fire made. The heat breaks up the shell and causes it to break or explode the clinker. Both the chimney and the firebox require careful care for, as easily as removing clinkers is needed.

Oil stoves often smell of kerosene, and when greasy or oozing with oil are unpleasant. Keeping the wicks clean will help, and burn without the oil trimmed so there is no smoky flare from uneven burning, and when no longer needed, turning the wick down, will prevent excess odor. No stove should have the oil container filled to the top—a space should be left for heat expansion. Wicks can be heated with washing soda and water, and then thoroughly rinsed with scalding water. Let the wick dry so as to have it ready for the next time, while the other is in use. If it is not easy to get more wicks, the old one may be washed, but little more than the portable chimney-Fed Model

W. T. KeRNER INCINERATOR COMPANY
Offices in 89 Cities
731 East Water Street
Milwaukee, Wis.

Certificates of analysis and specifications free.

Modernize Your Country Home With Fresh RUNNING Water

FRESH running water, in unifying utility, makes possible modern kitchens, modern bathrooms, modern laundries—modern homes. It is the indispensable key to modern comfort, sanitation applied economy. And today, thanks to Myers engineers, this greatest of all modernizations is easily installed in even the most remote country home.

James A. Myers
Self-Oiling Water Systems
Built to meet every problem of home water supply. Absolutely dependable, positive, without labor or upkeep. Styles for deep and shallow wells, for operation by water, wind, steam and electric power. Myers Electric Water Systems are easily installed—self-oiling, self-starting, self-stopping.

The F. E. MYERS Co.
101 Orange St.
Ashland, Ohio

Paint Without Oil
Remarkable Discovery That Cuts Down the Cost of Paint Seventy-five Per Cent

A Free Trial Package is Mailed to Home Owners

A. L. Rice, a prominent manufacturer of Adams, N. Y., discovered a process of making a new kind of paint, from which he named it "Powerpaint." It comes in the form of a dry powder and all that is required is a little water to mix it. The results are amazing and the paint is the safest, most convenient means of protecting the surface of everything from weather or interior painting. It is the most suitable paint for doors, windows, base, wood, stucco, stone or brick, sprays all looks like oil paint and costs about one-fourth as much.

Write to A. L. Rice, Inc., Manufacturers, North St., Adams, N. Y., and a trial package will be mailed to you free. Also color card and full information showing you how you can save a good many dollars. Write today.
For the home mechanic who likes
a forge
R. S. HENRY

There is a new thrill for the
home mechanic when he first
works at his own forge and
anvil. When one realizes that a
powerful bar of iron becomes as
pliable by the mere application of
heat, that we may twist and turn it 
like a piece of taffy, that upon cooling it becomes
again a powerful bar of iron with the
new permanent shape we have given it,
it begins to stir up and take an
interest.

Metal-working tools for the home
are no more a mystery than wood
working tools. An anvil, a small,
portable forge, two pairs of black-smith's
tongs, a cold chisel, a hot
chisel, a "flatter" and a machinist's
hammer, compose the list.

The old family hack saw, the emery
wheel, the descript machinist's vise
and a breast drill, these things are
useful baggage which every home
shop carries. They also will be needed
when fire has not yet bitten the
strip of iron which we intend to form
into fantastic shapes of hinges. Let
us work this way, with the work held
in a vise, for shaping cold; but, in
the end, the anvil method is easiest
and most satisfactory. The most intricate
outlines can be formed with smaller
hot chisels sufficiently closely for file
finishing at the bench.

The portable forge must be
provided with a smoke hood and a
stovepipe which carry off the gases of the
burning soft coal. The anvil is set upon
a chopping block, or a sawed-off
end of the old shed in which the
housewife does her spinning. The
anvil is set upon the highest floor of the
house, as it need not be thought of
this factor.

WHAT MAY BE MADE
An inclusive list would cover
nearly everything that the home
mechanic would need.

The old H hinges and latches are
fastened to a near-by
heavy bench. The tools are hung in
a rack on the wall. A small coal box
and water tub are provided near the
anvil and forge. Presto! We may be
ready in a few minutes.

Faintly, in the distance, may
be heard the click of the old
Hinges and the hammer and the
helper hit the chisel with
a vise, for shaping cold; but, in
the end, the anvil method is easier and
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The material itself consists of square
bars of any length and dimension,
round bars and flat bars, from less
than one-sixteenth inch in thickness
in thickness by one inch in width, upward.
This is bought by weight. Sheet iron,
instead of bar iron, is used for flat
work like eastern sides, and candle
sconces. This is obtainable in any
gauge or thickness.

THINGS TO WORK WITH
Works with straight sides and
square ends to be merely bent,
punctured or bolted together, as
with flower vase stands, is the easiest
to turn out. Much of it requires no
forge work at all, but rather anvil
work with a hammer, cold chisel,
drills, hacksaw and monkey wrench.

If the design calls for curves in the
sides of the strap iron, this will be
first heated as high as you wish, not
beyond a white sparkling heat
(less heat with steel), and the shape
is then cut out on the anvil with the
hot chisel and hammer. This is often
called "splitting out" the shape. It is
true that the amateur may use files
and emery, with the work held
in a vise, for shaping cold; but, in
the end, the anvil method is easiest
and most satisfactory. The most intricate
outlines can be formed with smaller
hot chisels sufficiently closely for file
finishing at the bench.

The F-M Finance Plan brings this water system to your home for as little as $20 a week. Balance in easy
monthly payments.

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monthly payments.
The New Artistic Idea in Screens

When you build that new home, or remodel your present one, you can be sure your screens are up-to-date, if you will equip with neat, trim, durable metal-frame screens. You may wish to have your screens in color. If so, you can secure whatever color you require to harmonize with your decorative plan. Your screens are important. To assure you the finest screen results and the smartest appearance, the leading American Screen designers, through this association, offer you valuable help in planning your equipment. Send the coupon for booklet, "The Fine Art of Screening the Modern Home."
LUPTON CASEMENT WINDOWS

THE CHARM OF A HOME IS EXPRESSED IN ITS WINDOWS

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

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

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

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

Davip Luptron’s Sons Co., 2267 E. Allegheny Avenue, Philadelphia.

At left. A close view of a Lupton Casement illustrating how windows can be set at any angle to catch the prevailing breeze.
Solving the furniture placement problem

MANDUS E. BRIDSTON

I LOOKED around our apartment one morning, after the architect's plans had been approved and the builder's crew was just starting to break the ground for our new home. Our house was to have seven rooms. How much of our three-room apartment furniture would be adaptable for the new home?

Suddenly, I realized that here was a new home problem that had never occurred to me. And I had a budget to consider, so I knew that the new home could cost us just so much and no more, and therefore we must use as much of our present furniture as possible.

I got out a blue-printed floor plan that had been left with us, and consulted it without much result. Furniture placement, done "in the head," gave me but a very cloudy idea of what my room ensembles would be like. Then I had my idea, the development of which has not only resulted in a more artistic home interior, but returned us many fold in actual dollars and cents.

It took three afternoons before I had something to show. I struggled with the plan that my new home would have each plan chiseled off in squares representing a square foot of floor space.

My next step was to mark it out on cardboard, and then I had only the beginning—a floor plan of each of the seven rooms in my new home with each plan sized as a square foot of floor space. I drew these miniatures fairly accurately to the same scale as the floor plans. I drew these miniatures fairly accurately to the same scale as the floor plans.

I then was able to get excellent perspectives of my rooms. With the floor plans, and the scale on which I was working, it was easy to determine which size of furniture would be best adapted for each room. This important task accomplished, I got busy with ruler and drawing pencil, and drew miniatures to represent the articles I had on hand, and drawing them accurately to the same scale as the floor plans. I drew these miniatures on a fairly heavy piece of cardboard, but not so heavy that the pieces would not trim evenly when I cut them out. Scattering these miniatures on the floor plans, but not pasting them, gave me a clue as to the most adaptable for the new home.

When I had every piece of furniture which I thought I would require for my new home, represented by a miniature cardboard replica, scaled according to my floor plans, I was ready for the actual business of furniture placement. Then and there I found it necessary to make a trip to a furniture store, to discover the dimensions of the new pieces I would require. I found that overstuffed pieces, particularly davenports, came out measured to about five inches less than the floor space had to be adjusted. This is because I didn't have to arrange my wall lighting fixtures, my scaled floor plans, and then I had only the beginning—a floor plan of each of the seven rooms in my new home with each plan chiseled off in squares representing a square foot of floor space.

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IT IS A TEST FOR
HOUSEHOLD CLEANLINESS -
what does it tell in your home?

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

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

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

Also in nine modern colors

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

Ever-durable

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

Thank goodness we put in our Newport Boiler last summer! It's being cold tonight, yet in here we're as snug as can be. And I haven't touched the coal shovel since before breakfast.

One of the first essentials in a modern home is a heater that will provide even heating under all conditions, with least possible attention and lowest fuel expense. The Newport meets these specifications easily, with plenty of extra merit to spare.

Gravity fuels the Newport magazine-feed boiler, in accordance with the weather's requirements and the magazine holds enough fuel to last from one to seven days, depending upon the temperature. Furthermore, small size coal used in the Newport costs at least $0.90 less per ton and positively makes a fuel saving of from 30 to 50%.

It will pay you to investigate the Newport before installing a boiler in a new or old home for the experience of legions of satisfied Newport owners indicates that this is the one boiler which will completely meet your needs.

NEWPORT BOILER COMPANY
529 S. Franklin St., Chicago

NEWPORT MAGAZINE FEED BOILERS

For the home mechanic who likes a forge

Continued from page 591

Years the cactus dwelt in thorny isolation, but the modernistic designers have taken it to their hearts—

and seem to suffer no discomfort from the embrace. Its extreme simplicity of line and its interesting silhouette make it particularly appropriate in modernistic interiors, in many of which you will find the growing cactus occupying an honored place. From the popularity of the real to the popularity of the imitation was only a step, so that one may now buy pseudo-cacti of all sizes, "planted" in weird, triangular shaped pots.

The development of modern art in vases and flower holders has kept pace, if not outdistanced, the development of the flowers themselves. Indeed, there has been a vast and awakened interest in all forms of ceramics, pottery and glass vases, which has expressed itself not only in the extremes of the modernistic vogue, but in exquisite reproductions of old designs. Characteristic of the new designs is an extreme simplicity of form and a use of smooth surfaces, often of some brightly polished material which will reflect surrounding colors. Mirror glass is a favorite; many vases are made of silver glass or of a mosaic of tiny mirrors. Triangular mirror wall brackets may also be bought. Vases, especially those for the center of tables, are frequently placed on flat mirror reflectors. Some of the newest of these reflectors are made of black glass.

Beautiful vases made of copper with flat silver inlays come to us from foreign craftsmen. Popular also are vases of crackle ware. Many interesting things are being done in glass, and some of the new designers are making use for ornamentation of what was formerly considered a fault in the blowing. Some of the new glass vases show many bubbles, giving them an opaque appearance, and others have their surfaces flecked with small specks of white, black or a color.

Artificial flower forms

Continued from page 592

For the home mechanic who likes a forge

transferred to the anvil, where a few quick, sharp raps will join the pieces together.

The expression "strike while the iron is hot" must have originated in relation to the welding process, for this is just what is necessary.

Holes for bolts or screws are best drilled in soft iron or steel with an ordinary ratchet drill, or they may be punched while the metal is hot on the anvil. Cold drilling is more accurate. To write or etch a name or inscription on the metals, cover the surface with a thin coating of melted beeswax. When it has hardened, write the inscription with any sharp tool cutting the wax to the metal beneath. Paint a mixture of eight parts muriatic acid and one part nitric acid into the writing. After four minutes, flush it out with water, remove the wax, and the inscription is found etched into the metal.

The joy of home work in metal

Wooden things may wear, dent, splinter, crack. There is a feeling of impermanence about them; but when we have shaken hands with Prince Iron and King Steel, we feel that we have met the conquerors of time.

Make your windows bloom with flowers

Instead of looking out on a dull, gray world, is a garden of beautiful flowers giving joy to those in the house and every passer-by turning your house into HOME! With Swing All-Steel Flower Boxes you can have autumn gardens the year round. Their unique construction gives the plant roots just the right amount of air and nourishment without deep roots overcrowsting. Last a lifetime. Strongly welded iron and copper. Choose copper or iron, they do not rust. Unbreakable all-steel or iron, see as iron. One set for five feet, 36 in. deep and 14 in. long costs $1.50 in lots of 10. Write or wire for specimen order direct from us.

Folder "Beautify Your Home" FREE.

SUCCESS MFG. CO.
Dept. AH-3
Gloucester, Mass.

SUCCESS Flower Boxes

ORDER AT OUR RISK

RAISES $10.00 FOR CHURCH

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Mrs. Swallow of Missouri found DuBois Woven Wood Fence a swell money-raiser. Such success inspired her to start a fence making school. She sent for a test sample of this clever work-saver—FREED—sent in by DuBois. Mrs. Swallow found this fence a swell money-raiser in her school. Mrs. Swallow was taught by a DuBois special agent. Schools are being formed in all parts of the country. Write today for FREE folder on how to form and operate a fence making school.

SUCCESS MFG. CO., Dept. AH-3

Glenco Products Co., Dept. AH-3, Quincy, Ill.

Important Notice

To readers attending flower shows

Special exhibit showing the various interesting uses of DuBois Woven Wood Fence will be found at all leading flower shows, including:

CHICAGO, Feb. 23 to March 3
NEW YORK, March 11 to March 16
BOSTON, March 19 to March 23
BUFFALO, April 6 to April 14

NOTE: Illustration of DuBois Woven Wood Fence in full color and coupon for free catalog will be found on inside back cover.
There's hidden treasure IN YOUR OLD HOME

This Free book tells you how to find it

If you have an old home that you've wished was like the new, modern houses you admire, you can gratify your wish—at a very small cost. Today it's easy to modernize almost any home. Have that extra room, sleeping porch, or sun porch. It means not only added comfort, convenience, and pride—a few hundred dollars spent for remodeling, if wisely used, is sure to create an astounding increase in the value of your property.

How great that increase may be, was told recently by C. Stanley Taylor, nationally known architect and building economist. Mr. Taylor is Director of Research for Architectural Forum, Building Age, Country Life, and a number of other publications in the building field.

He says: "I have known cases where remodeling at a moderate cost tripled the value of a house. Of course it is not always possible to add so much; but it is safe to say that a well-planned and well-built remodeling job, with modern building materials, always adds at least double its own cost to the resale value."

New overcoats for old houses
One of the easiest changes you can make is to cover your home with beautiful stucco, as was done in the example illustrated above. Yet as you see from the picture, nothing is so likely to improve the appearance, and to increase the value far beyond the cost of the change. STEELTEX has made stucco over-coating one of the most satisfactory alterations that can be made to a house.

STEELTEX can be nailed right over the old clapboards or shingles as a base for stucco. To use STEELTEX is to embed in the stucco a network of steel that can withstand strains at the rate of 78,000 pounds per square inch of steel. STEELTEX not only guards the stucco, but it strengthens the whole framework of the house with rigid steel.

Moreover, STEELTEX has a double, waterproofed backing which provides damp-proofing, insulation, and sound-deadening. It makes rooms warmer in winter, cooler in summer, quiet and restful the year round. Perhaps your home is draughty and hard to heat. The tough backing will mean greater comfort, smaller fuel bills.

Every remodeling feature is covered in this free book
Whether or not you plan to remodel this year, send for free book, Home Modernizing at Moderate Cost. It illustrates various remodeling ideas for your home, with photographs and remodeling suggestions for actual homes, big and little, in the attractive Colonial, English, and Mediterranean styles now so much in vogue. Each suggestion gives itemized costs, and resale valuations by experts.

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

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

National Steel Fabric Company
World's largest manufacturers of welded steel fabric

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

National Steel Fabric Co., 3203 Union Trust Bldg. Pittsburgh, Penna.
3203 Union Trust Bldg. Pittsburgh, Penna.
World's largest manufacturers of welded steel fabric

STEELTEX FOUR TYPES—SAME PRINCIPLE. SAME PROTECTION
for plaster . . for stucco . . for floors and roofs (concrete and gypsum) . . for stone or brick facing
SHAPCO
RADIATOR SHIELDS
and ENCLOSURES
will save your walls, drapes and furnishings

For over 20 years, the SHAPCO line has been the first choice of discriminating homeowners. Unequaled in style, quality and performance. Protect walls and draperies—transforms unsightly radiators into artistic consoles and seats. Made in many styles and sizes, with glass, marble or metal tops. Easy to install. Get full particulars.

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Have you read any Kipling lately?
The Pocket Edition is just right for travelers.

—AT ALL BOOKSTORES

Making your own repairs

SAMUEL ROSSITER

W ITH the increasing popularity of efficient warm air heating plants and the new controls of the humidity necessary in the air we breathe, a master tinsmith's recommendation for suspending pipes in the basement is of interest.

Many a fine home has burned in the middle of the night because chimney flues were unlined, and the mortar cracked and crumbled away in places it cannot be readily detected.

FURNACE DRAFT

Assuming that the flue for furnace smoke is adequate in size, that the chimney top is high enough above the roof, and that the wind is not too strong, the size of the flue, length, the most vulnerable point to seek the cause of a poor draft is the joint where the smoke pipe enters the chimney.

If this leak, the suction upward is damaged or reduced to a point where the furnace fires labor and smoulder, throwing out very little heat. An easy way to test this is to hold a leaf or match near the joint cracks. If the smoke and flame of the match is attracted to the crack, it leaks badly. Ordinary Portland cement, mixed with water to a consistency of thick paste, should be spread over all suspected parts. If one measure of sharp cement is added to each measure of cement, the resulting mortar will be stronger.

In important in using mortar anywhere to wet the surface to which it is to be applied with plain water before the work is done.

THE MENSE OF COAL GAS

Sometimes several members of a family begin to complain of short night mares and bad dreams. There are unexplainable headaches. Eventually they sniff coal gas. They blame father for leaving the damper open long enough after he cools up for the night. But it may not be his fault.

The inner shell of warm air heating plants is usually composed of several castings set and sealed together with furnace cement. If set poorly, or after many years of intense heat, this cement may weaken and crumble. If so, it will leak coal gas directly into the air, be warmed between the inner and outer shells. This goes immediately over the whole house through air pipes. It is a serious and insidious menace and very hard to detect from any external examination.

There is no remedy but to take down the furnace and rebuild it carefully cleaning out all the old cement, and applying new in a good supply of new.

With other types of coal-gas leaks in buildings, they are usually sensed if the ground floors of the house are well sealed underneath. Double floors, with builder's paper between or wall boards well sealed, the joints and nailed up to the joists in the cellar, will help to keep dust and gas from rising through the house. This will lighten the house work and also make for the family's better health.
Simple Charm - Exquisite Beauty

TODAY, as in the days of our forefathers, furniture of hard, durable Maple is the vogue in honey-tone and antique finishes. In their quaint and rugged simplicity these modern reproductions of early craftsmanship give an atmosphere of true Colonial charm and hospitality. And, in the marvelous stain finishes that develop all the beauty inherent in the wood itself, Maple furniture — both period and modern — is a revelation in colorful beauty that transcends all by comparison. Exquisitely lovely effects are secured by “misting” and “high-lighting” the finish on panels, tops and decorative overlays of Birdseye Maple veneers.

But, you really must see this Maple furniture at leading stores to appreciate its indescribable charm.

As interesting brochure in color, “Maple Furniture of Yesterday and Today” is on the presses. May we send you a copy?

THE NORTHERN HARD MAPLE Mfrs. Association
322 F. & A. Building
Oshkosh, Wisconsin

Furnish and Floor with Maple

You Wonder and Grumble but pay the bill

HOW under the sun could that last fuel bill be so high? And here’s a repair bill from the plumber for the hot water heater! Let’s think of something more cheerful. Why not cut the bills in half and cut out the repair bill entirely? Hundreds of others like yourself quickly found the answer in this National Multi-Flow Heater. You get a continuous, clean hot water supply 24 hours a day produced through copper coil with bronze fittings. Connects with boiler. Burns buckwheat or pea coal, requires little attention. Built to last many years. Finished in black japan and red vitreous enamel jacket. Made in 3 sizes. Also used for heating small bungalows, sunroom, spare room, or garage.

Write for descriptive folder.

NATIONAL MULTI-FLOW TANK HEATER

THE NATIONAL PIPE BENDING CO.
200 River Street
New Haven, Conn.

Established 1810

GALLOWAY POTTERY

Gives the Essential Touch

A Bird Bath to lure the merry birds—shapely colorful Jars to delight the eye—a Bench to invite you to carry midst the flowers—these and other beautiful high fired Terra Cottas will add enduring charm to your garden. Our collection also includes Flower Vases, Boxes, Sun Dials, Gazing Globes and other interesting pieces for the Garden, Sun Room and Porch.

Send for Literature

Send us your name and address for Radkover literature, showing these beautiful radiator cabinets, of different sizes and types, installed in beautiful homes. Our booklets will also tell you just how these cabinets are priced much lower than made-to-order enclosures can be, and give you the names of local dealers. Just send us your address and ask us for Radkover Literature.

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The beautifying effect of modern radiator cabinets is conceded; their cleanliness and healthfulness are well-known; their economy of fuel has been demonstrated. Only high cost stands in the way of their more general adoption — just as once limited the use of automobiles and many other things. The manufacturers of Radkover Radiator Enclosures have solved the problem by the use of standard units, economically produced by volume methods.

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And while it is too early to spade, it is not too early to plan every detail of this year’s bigger and better garden—

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Three fascinating lights of Colonial designs from a famous Boston studio. Left: PEACOCK. In tin $6, brass $8, pewter, $13.50, ht. 14". Center: SHAW. Tin $6.75, brass $9, pewter, $12, ht. 11½". Right: COLONIAL. Tin, $2.50, brass, $3.50, pewter, $8, ht. 13". Electrified add $3 to all prices. Nice catalogue.

I have never seen a more lovely, graceful lamp. Three seagulls cast in solid brass with wingtips touching! Handpainted 14" parchment shade to harmonize. Your choice of polished brass, nickel or verde. Lamp $11.70, shade $13.

The “Shepherd’s Crook” ivy stand, forged in the North Carolina mountains. Heavy wrought iron. 39" ht. Complete with 3 terra cotta pots, $11.50.

There are still many snappy days for an open fire. For those who can’t get driftwood for their fire we have found a new idea for duplicating this effect with any kind of wood. The name of the product is nothing less than Dancing Fairy Lights, and consists of pine cones, moss and bay saturated with chemical giving all colors of the rainbow. $2 per box del. 100 mi. N.Y.

Balanced. You have your choice of solid walnut or solid oak with a hand-rubbed antique finish to not easily mar. Length closed, 25", with 2 end leaves extended, 45". Width 16", height a convenient 20". Price $49 complete. This handsome unit is at home among the richest surroundings.
A Colonial Belle

This charming maid of long ago is attractively portrayed in a silhouette painted in black on cream paper, and lined with glass in No. 5646 metal and frame. This is a copy of an antique design and it is finished in black and gilt.

Silhouette circular 5-3/4" sent gladly upon request

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Antique ivory, gray, rose, or green, $15.00.

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2 1/2 cups—$1.75; 4 cups—$2.50.

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Electric Toaster

Here is the toaster with the features you have needed! Toasts two slices of bread both sides at one time. Entirely automatic! Simply insert the bread, pull a lever, and the Edicraft Toaster does the rest. Each $15.00.

Hammacher: Schlemmer & Co.

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These two enchanting nursery or bedroom rugs were designed for young members of the family especially by Tony Sarg, internationally known artist, and woven in bright colors into a softness that will be grateful on cool mornings. One is called TINYTOWN and the other is called THE CIRCUS. Useful singly they are nice in pairs. There is also another entitled DANCING DOGS which is most amusing. They are priced at $6.50 each delivered 100 miles of New York.

FOOTSTOOL

Unpainted 2.50
Old Maple 3.50

A National Academy member has brought out a series of linenum cuts in charming subjects, three of which are shown here: Old North Church, House of Seven Gables and Wayside Inn—now famous property of Mr. Henry Ford. They are hand blocked on soft white paper, mounted and signed by the artist. Print size 3 3/4 x 5 3/4, mat size 4 x 6 1/2. Price $5 each postpaid.

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Shopping Service

The old custom of adding the final touch of comfort to a room through use of footstools has again come into grace. This graceful Empire reproduction in mahogany (with denim cover) was much in vogue in the second decade of the last century, and it can be covered locally at small expense to harmonize with any scheme. The size 9 x 14" price $9.

There has been many an American tragedy when hostess or guest catches an elbow in a hangman's noose of wires dangling from some casual light fixture or floor plug, and connecting to percolator or toaster. The electrified cart has a double socket connection built in, and a single strong cord for plugging into the base board. Besides this unusual convenience it is of solid mahogany and has a removable glass top 18 x 25" for serving. Price $44 del. 100 mi. N.Y.

HYB-LUM—a new alloy; strong as steel, bright as polished silver, light as aluminum; heavy gage prevents burning. Scours in a jiffy. Smart red handles on this 2-in-1 omelet pan which can be used as separate utensils. $6.75. Fine folders of other smart items.

French peasant furniture is distinctly in vogue. Its mellow brown woods and strong sensible lines make for harmony in the country house or cottage. Imported prices are high, and unseasoned woods warp badly in America. This stand with drawer is an exact copy of an old French model; birch—unpainted at $34, or antique walnut finish, $31. Fine big catalogue of complete interiors $1—refund on first purchase.

In large open fireplaces ordinary fire tools are not much use. Short tongs mean scorched fingers; a poker of Lilliputian size means burned eyebrows when a large log has to be shifted. Both these items have strength and usefulness. The tongs have claw jaws, the log roller is plenty long enough to swing the biggest logs. Tongs $10, roller $7.50, del. 100 mi. N.Y.
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K-V Clothes Closet Fixtures
These are an accessory for old and new K-V sets. masterfully clothes closet in modern houses. These property equipped, clothes closets in space-saving, utility ways hold every article of your wardrobe, and make the K-V Clothes Closet Fixtures, the trend progresses carriers, even equal, show no signs of wear in the test of time. They are made of the finest materials, and made to last a lifetime, and possess the fact that will be Nass, and double. Installed with a screwdriver. Scarcely now in use, always satisfactory. If your order does not supply you, please write. 

Other K-V Products

The K-V Shoe Rack, attached to the inside of clothes closet door, is another orderly convenience, and the cost is trifling. Wherever shelving is used in bookcases, cupboards, cabinets, fruitrooms, etc., Ask for descriptive illustrated booklet.

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Try our Back will surprise you. KRESS-HERSHEI S WATER SOFTENER CO. Sept. 16-18, Indianapolis, Indiana

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TASTEFUL, dignified iron fence is never an extravagance. On the contrary, it is an investment in good taste and in the satisfaction which comes with the knowledge that one possesses an example of fine craftsmanship.

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Avoids snapping and cracks in frames that guts a home. Cuts fuel 80% when you become a damper user. Write at once for full information.

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Bry THE time these words are being read the spring gardening fever will be going strong, although this writing is being done before any real winter has actually gripped us. A few spasmodic frosts, yes, but planting has been continued right up until after the turn of the year, and we are still stealing time "by the forelock" in doing all kinds of planting and transplanting whenever weather conditions permit. It is wonderful what a lot can be accomplished in the dull season, too.

I am glad to record rather heavy downfalls of rain between the periods of frost. The severity of the tax on the reserve forces of dormant plants brought about by dry driving winds in winter, if there is no moisture falling, is little suspected. These winds take out more moisture than enough unless the plants have been protected or the ground mulched, or rain has fallen, or snow, to give moisture for the winter. All the driving winds are not found on the western prairie land—not by a long shot! Mr. Norman Taylor, of the Brooklyn Botanic Garden, has shown, as a result of an intensive series of studies and observations on Long Island, that the winds of that blessed isle are greater in force and continuity than in many of the recognized windy sections in the west and middle west. Though this may be a belated warning in some cases, yet it will be early enough in the great majority of instances for the gardener to rescue his plants from trying winter conditions.

Remember that late frost and growing intensity of the sun combine to do an enormous lot of damage to plants that are exposed, the injurious effects of which may not even be seen for a month or two. Therefore, even at this date look to the protection, or shielding rather, of plants that are exposed to the direct heat of the sun (southern exposure) in the early spring.

COME TO THE FLOWER SHOW

This is a great year for the spring flower shows, at several of which I hope to meet and renew acquaintances with many friends. The calendar of outstanding events is as follows: Chicago Flower and Garden Show, February 25th to March 5th; International Flower Show, New York, March 11th to 16th; Philadelphia Spring Show, March 11th to 16th; Detroit North American Show, March 13th to 21st; Massachusetts Centennial, Boston, March 19th to 23rd; Tenth National, Buffalo, April 6th to 14th.

The meeting in Boston which celebrates the centenary of the Massachusetts Horticultural Society will certainly be a magnet of great attraction, and it promises to be the greatest floral festival and horticultural gathering ever held in New England. The place is Mechanics Hall, the largest building of its kind in the state. The Federated Garden Clubs of Massachusetts are making a concerted, unified effort and will have an especially large space devoted to their own exhibits.

PLACING GARDEN ORNAMENTS

What is spoken of collectively as "garden furniture" is all too often anything regard to such things as seats, benches, tables, and chairs, which, properly placed in a suitable niche, unquestionably add much to the livability of the garden and tend to invite the use of the space. All such introductions should be definitely purposeful, not haphazard.

In the little garden it seems particularly desirable that garden furniture or ornament, as the case may be, should be carefully located. If the garden be of the ordinary small suburban type the introduction of a stone or cement fountain or bird bath or some other equally substantial construction may jolt the whole picture out of scale by its own sheer overwhelming weight. A bird bath, for instance, stuck in the center of the lawn often is merely commonplace and seems to accomplish nothing more than to blatantly claim its existence. Any extraneous object that is introduced into a garden in such a way as to completely dominate it and overpower, that intrudes upon the visitor from every point of view, is not exactly pleasant.

I was rather pleased with the accompanying photograph that shows a bird bath located handily in the angle formed by the house walls. It serves a purpose in several ways, and really is a piece of furnishing, destroying the ugliness of the angle itself and adding a touch of illumination as it were to what might otherwise be a dark corner.

A bird bath, by the way, should consider the bird's comfort and not be a mere basin. It should be shallow so that the bird can wade in it without inconvenience. A sharply shelving basin that affords no easy resting place for the bird defeats its own purpose. Birds add an element of activity to a garden and though they may regard a new bird bath with some suspicion when first it is installed they finally become acquainted with it and use it pretty freely. A bird bath should be so located as to get direct sunlight and should not be placed in a situation where cats can easily attack the birds that come to use it.

In and About the Garden

PLACING GARDEN ORNAMENTS

What is spoken of collectively as "garden furniture" is all too often anything
Mr. Pyle's article

It is not too late to look up the February issue of the Ladies' Home Journal and find therein Robert Pyle's article about planting roses. The article is illustrated with exquisite reproductions of natural color photographs taken by William F. Fells at the Star Rose Garden, and in the Star Test Gardens at West Grove. As an aside, it is interesting to know that after the dedication of the new building, the photographer was done at a little after 6 o'clock one summer morning in 1928. What a day that was! Evidently the roses knew that Mr. Pyle and his staff of photographers were to be there, for they certainly looked their prettiest—as you will see, if you look at the illustrations in the Home Journal.

How about success?

If you want to be sure of success with roses this year, you need *Success With Roses.* If, perchance, you haven't heard about this helpful little volume, it is a 58-page book replete with illustrations and simple directions. It tells you what to do, and it tells you exactly how to do it. It leaves nothing to chance. There are many quirks and idiosyncrasies of the rose growing and *Success* tells them all to you in plain language, so that you can make your garden the blue garden in your community this year, and in due course.
To whom will you entrust

LET us talk about your trees. They are living things, subject to disease, decay, starvation, insect attacks, mechanical injury and other ills. They are priceless to you—only time can replace them, long time at that.

Just for the moment, think of the most valuable tree on your place. Suppose it is starving. Wouldn’t you, in self interest, insist upon scientifically trained experts who know what to feed it, and how, and when—without guessing or experimenting?

If this priceless tree is decaying in the trunk or limbs, and is growing steadily weaker, liable at any moment to break off or break apart in any high wind, wouldn’t you entrust its treatment only to men with proven scientific knowledge and real personal skill?

If anything is wrong with that tree—and dozens of things might be wrong, because it is a living, breathing organism—wouldn’t you demand reliable experts who are trained to diagnose tree troubles? Certainly proper treatment cannot be given without correct diagnosis.

You can trust Davey Tree Surgeons with a feeling of confidence and satisfaction. They are carefully selected and reliable men. They are thoroughly trained and have real demonstrated skill. They are educated scientifically in the Davey Institute of Tree Surgery, the only school of its kind in the world. They know how to diagnose the ailments of trees. Their knowledge and skill are based upon a half century of Davey experience. They are backed by a responsible business organization.

Practical training first. The experts shown above train all new men in the practical field work. Every new man must go through a thorough course of training and be proved out—no untrained men are ever used. These selected instructors are men of character, intelligence, and professional attitude.

Tumbling Team—Davey Institute of Tree Surgery, 1928–29. Davey Tree Surgeons are athletic types. They are carefully selected with the idea of physical fitness. The nature of the work and their training make them more so. In addition to intelligence and character, they have physical energy; that is why they are diligent workers.

Scientific Training. A laboratory class at the Davey Institute of Tree Surgery—using high-powered microscopes and dissecting lenses to learn the sciences relating to their work. They must know the scientific reasons for all the things that they have been trained to do skillfully.

Practical Training. This is a class learning the important art of saw filing at the Davey Institute. Every man is taught to keep his tools in proper condition. Sharp tools mean good work. Practical training plus science means efficient service.
your priceless trees?

Surprisingly Low Cost

In 1928, Davey Tree Surgeons served 21,608 clients from Boston to beyond Kansas City and from Canada to the Gulf. 76 per cent of these clients paid less than $100.00 each. The following table tells the story.

- 17,022 clients paid less than $100.00 each
- 2,223 paid from $100.00 to $200.00 each
- 1,642 paid from $200.00 to $500.00 each
- 721 clients paid more than $500.00 each

You can afford to employ the expert, reliable service of Davey Tree Surgeons for your trees. They will do as much work as you want—and no more. They will do their work right—they will save any tree that can be saved—they will give you professional and conscientious service. There is no charge except for working time, plus the necessary materials and expressage.

Davey service is local

Davey Tree Surgeons live and work in your vicinity. They are almost as conveniently located as your dentist or doctor or surgeon. They are not sent from Ohio for your individual work—they are trained in Ohio, but they live in your vicinity and work regularly for other nearby people.

Write or wire Kent, Ohio, for examination of your trees without cost or obligation. Permanent representatives are located in principal cities; the nearest one can serve you conveniently.

The Student Body of the Davey Institute of Tree Surgery, 1928-29, numbers 446 splendid young men in the Freshman, Junior and Senior classes, all selected from the proven men who have already been thoroughly trained in a practical way. The purpose of this resident school is to provide scientific knowledge and accuracy to supplement the practical skill that is given in the field training. This gives balanced education—Davey Tree Surgeons know both how and why. The Davey Institute of Tree Surgery has been in continuous operation for twenty years, the only school teaching the science of Tree Surgery. The Faculty of the Davey Institute of Tree Surgery includes 37 scientists and master Tree Surgeons.

DAVEY TREE SURGEONS

DAVEY TREE EXPERT CO., Inc., 215 City Bank Bldg., Kent, Ohio

JOHN DAVEY
1846-1923
Father of Tree Surgery
Reg. U.S. Pat. Office

Everyone who sees Davey Tree Surgeons at work in the trees says, "They climb like squirrels." They certainly are remarkable climbers—they are trained to it. They get around in the trees with surprising agility and speed. But they use ropes—never injurious climbing spurs—to facilitate climbing, to prevent accidents, and to protect trees, wires and other property. They have diligence, speed, accuracy and a trained knowledge of their work.
In gardening a date can only be approximated. Generally the latitude of forty degrees at sea level and a normal season is taken as standard. Roughly, the season advances or recedes fifteen miles a day, thus Albany would be about ten days later than New York (which is latitude 42).

The latitude of Philadelphia is a week earlier. Allow for four for each degree of latitude, and for each 400 feet of altitude. Latitude 40 approximates a line through Philadelphia, Pa.; Columbus, Ohio; Richmond, Ind.; Quincy, Ill., Denver, Colo.

Garden Reminders

MARCH is a month of preparation in most sections, a pause before the rush of spring work. In the warmer parts of the country garden work is in full swing but most gardeners must wait a few weeks before much work may be done outdoors. Still the fore-sighted gardener can not afford to be idle. Clean up the lawn. Avoid raking it too severely. The mat of dead grass will act as a mulch and protect the roots. Dig out the more vigorous Dandylions and as you do so seed the bare spots and mulch them with lawn clippings. This will hasten germination. Roll the lawn as soon as the frost is out. It is very beneficial.

Early Planting

There are a few flowers that may be planted early. As soon as it is possible to prepare the soil Sweet Peas must be started. They do well in the cool, moist spring months. Dig the trench good and deep. It is said that their roots will go down four feet or more if the proper preparation, food and moisture is provided. In light soils Gladiolus may be planted early; but in cold, wet soils there is little to be gained by early planting and they may rot. Do not make the mistake of planting all of your Glads at one time. Make successive plantings every two weeks from early spring till midsummer. Glads are one of our most important flowers for cutting.

Dormant Rose bushes, planted early will give you the best results. When you purchase Rose bushes it is seldom they are pruned back enough. They should have from four to six buds and be so pruned that the branches will grow out instead of in towards the center. Be sure that they are planted deep enough. The graft or bud should be an inch below the surface. When you uncover your old Roses prune them carefully. Cut out all dead wood or weak growths, also cut back all of last year's growth a third or half. The more severely you prune the better quality flowers you will have. Climbing Roses must not be pruned till after blooming.

Plan and Plant

By this time you should have some very definite plans for your garden this year. Study the seed and nursery catalogues carefully, there is a wealth of information in them. Your public library has many books that will help you in planning a better garden. Try to grow something new each year. It's the new things, the plants and flowers you are not familiar with that keep up the interest in your garden. You will find it most interesting to keep a record of your garden, jot down the location of things, blooming dates, changes you want to make and such things. You'll find the record valuable.

Soil Preparation

The garden soil must be well spaded or plowed in the spring. Careful preparation of the seed bed is very important. Seeds are many of them tiny things and the soil must be very fine or they will not germinate well. Do not attempt to work the soil before it has dried out sufficiently. It should be dry enough to crumble when spaded. If your soil is lacking in humus it can not be worked as early as when there is sufficient humus present. Plan to add humus to your soil by maintaining a compost heap.

Removing the Mulch

Do not be in too great a hurry to remove the mulch from your borders. Take it off gradually and leave it close by so that it may be thrown back should a cold spell come. It is the alternate freezing and thawing in the spring that injures the plants. Where the mulch is of such material that it will work into the soil and add humus, it is almost impossible to have too much humus in the soil. Do not remove any of the mulch from around your Rhododendrons, rather work it into the soil lightly, or simply leave it to rot down.

Plant Lilies this Spring

If you have overlooked planting some Lilies you are missing one of the most beautiful of all hardy flowers. They need deep soil preparation, good drainage, no manure and probably most important of all they must be planted at the proper depth. Here's a list of five kinds for spring planting and after each one is given the right depth to plant: Regal, nine inches; Auratum, twelve inches; Speciosum, ten or twelve; Henryi, ten inches; Tiger, eight inches. Lilies are better understood than they used to be, most of them like a location where the base of the stem and the soil around them is somewhat shaded by some other plant.

Protection for Boxwood

Do you know why evergreens and Boxwood show spots of brown in the spring? It is because the hot suns of March and April strike them before the sap starts to run. The best protection for evergreens is to erect a wall of boards on the side where the sun shines and for Boxwood, both specimen and hedges, drive strong stakes in the ground and stretch burlap roof-like to the ground, leaving an air space between the plants and the burlap. These plants are valuable and you should care for them to the best of your ability.
Garden Aristocrats!  Last-Minute Novelties & Recent Introductions.

SCHLING SPECIALTIES for 1929

Do You Know this Secret?
GREEN PEAS, and plenty of them, from June to August—if you follow the simple directions.  
Plant this collection of 6 choice varieties all at once this Spring, just as soon as the frost is out of the ground—and they will mature in the order named—producing a steady procession of peas throughout the summer months from about June 30th till late in August.

The reason for this is evident.  Peas must develop their roots in cool weather and so are able to supply sufficient moisture to leaf, flower and pod as they rapidly multiply under the summer sun.  On the other hand late planted peas are almost always a disappointment, as every experienced gardener knows.

OFFER X-2
Novelties of 1929!

Absolutely New!  A $1.00 5-ekt., 50¢ for 1 pkt.

Mexican Columbine Larkspur, Euphorbia
Pink Improved—Long upright spikes of flowers followed by handsome foliage.

Gala Grandiflora, Euphorbia
Green—Large, copper scarlet flowers of great size on long stems nearly 4 inches across.

Bailey's Blue Columbine, Euphorbia
Indigo—Stems 1 ft. tall, blue flowers with red edges.  Very attractive.

Green Columbine Larkspur—New form and color—similar to the old but with more flowers of larger size, suitable for a border or rock garden.

Sutton's Scarlet, 14 feet. The most productive dwarf; medium-early wrinkled Pea; very sweet.

Dwarf Champion, 2½ feet. An enormous cropper.  Broad pods, very sweet.

Heroine, 4 feet. Pods are large, deep green, somewhat curved; best Peas of finest quality.

Offer X-3

SCHLING'S NEW GIANT PANSY

Mrs. Pierre S. du Pont

Neither words nor pictures can convey an idea of the new Pansy in all its loveliness.  It is rich, pure golden apricot, blended with rich white, a glorious jewel down—pure without any of the finest touch.

Offer X-4

Schnell's New American Snapdragons

A $12.00 Value for 50¢

A New Race of Giant Snapdragons!  Rivals the Chrysanthemum Height and Vigor; 1½ varieties in its exquisite and distinct colors.

Indigo Sunstar—Noruest and levellist of this new race.  Full flower spikes of a marvelous velvety coppered, lustrous unknown in Snapdragons.  Indescribably beautiful and new faces from the Yukon to the Gull.  Pkt. 1.00

Golden West—A rich deep golden yellow with rosy lilac throat.  Pkt. 1.00

Pathfinder—Tender rose-pink, with yellow lip and pure white throat.  Pkt. 1.00

Nerina—A splendid blue-pink.  Pkt. 1.00

Y yöntem—Pure delicate canary yellow.  Pkt. 1.00

Semina—Russet blue, with milky white throat.  Pkt. 1.00

Wyoming—Deep cream-pink, with golden yellow lip.  Pkt. 1.00

Nerina—Delicate rose lilac overloaded with a silvery basting; rich golden yellow at center.  Pkt. 1.00

Tennes—(Blossom) Golden yellow (autumn gold) changing toward the center to a bright tan color.  Pkt. 1.00

Shasta—Lovely, pure white, with a fine yellow throat.  Pkt. 1.00

Massachusetts—Brownsish orange, tinged with red.  Pkt. 1.00

Miami—Delightful, tender rose-color.  Pkt. 1.00

Offer X-5

SCHLING'S NEW GIANT PANSY

Mrs. Pierre S. du Pont

Neither words nor pictures can convey an idea of the new Pansy in all its loveliness.  It is rich, pure golden apricot, blended with rich white, a glorious jewel down—pure without any of the finest touch.

Offer X-6

Extraordinary Value

A $2.25 Value for 50¢

Schnell's American Beauty Aster—Gigantic flowers, 7 inches across, 5 ft. stems, same color as American Beauty Rose.  Pkt. 1.00

Schnell's New Orange Glory Calendula—Perfect form.  Very double.  Pkt. 1.00

Schnell's New Annual Double Hybrid Chrysanthemum—Charming color effects in garden and vase.  Pkt. 1.00

Schnell's Semi-double Cerated Calendula—Giant size, double-centered, charming color effects in garden and vase.  Pkt. 1.00

Schnell's New Hybrid California Poppy—Many lovely new shades.  Pkt. 1.00

Offer X-7

Monthntias

whose flower clusters, in exquisite pastel shades ranging from pale yellow to deep orange, bring like golden stars to their long, slender, waxy stems, have all the grace of the rigid chrysanthemums.  Plant the bulbs in April and May, 3 inches deep and enjoy them all season.  Easily grown.

25 Bulbs for $2.00 50¢ for $1.75

Offer X-8

Giant French

Poppy Anemones


25 Bulbs for $3.00 50¢ for $2.25

OFFER X-9

At Last!  A Perfect Weed Killer!

DANDO KILLRITE

No stoppage—No grubbing!—Destroys dandelions, poison ivy, and all other noxious weeds easily and quickly by depositing a small quantity of the Killrite chemical at the heart of the weed.  Permanently destroys root and stem, absolutely non-poisonous and harmless to all animal life, birds, fish, or plants.

Send for our "Book for Garden Lovers."—Many other delightful flower varieties described and illustrated in color—true, from front to front.
Creating Pictures
With Plants

TAKE most any situation, with most any kind of soil supplemented by the sun's warmth and some moisture, and regular fairylands may be created with the help of the proper kinds of plants! Therein lies the secret of naturalistic gardening. We recognize Nature as the master builder but seldom study her methods and materials.

A Great Plant Guide FREE

Less than a score of lines on page one of our catalog hold the key to the entire book, open the gate to any garden you may desire! Pronounced by students the greatest guide to naturalistic gardens ever published, it records half a century's experiences and observations. Get the proper start by writing for this free catalog today.

Ferns for Everywhere

With two-score distinct varieties available, you can count on succeeding with ferns, whether your grounds are sunny or shady, moist or dry, rocky or a mellow nature. Here are a few favorite collections:

No. 1. For open, sunny spots, 4 varieties, 35 clumps in all for $5
No. 2. For dry, shady places, 4 varieties, 35 clumps in all for $5
No. 3. For moist, shady spots, 9 varieties, 45 clumps in all for $6
No. 4. For wet, open ground, 4 varieties, 40 clumps in all for $5
No. 5. For rockeries and dry ledges, 4 varieties, 40 clumps in all for $5

Ready for shipment after middle of March. Ordering by number is quite sufficient.

Other Gillett Specialties

Are native wild flowers, wild orchids, a great many hardy perennials, Rock Garden plants and, last but not least, a vast collection of native deciduous and evergreen shrubs, such as Laurels, Rhododendrons, Azaleas, Inkberry, etc. Let's get acquainted by asking for catalog mentioned above.

GILLET'TS
Fern and Flower Farm
3 Main Street
Southwick — Mass.
Like a Million Rising Suns

Every year millions of brilliant Zinnias grown from Dreer’s seeds lift their shining faces to gladden thousands of garden lovers’ hearts. It takes acres to produce the Zinnia seeds we sell. And we sell enough every year to provide a bouquet of a dozen and a half flowers for every girl in this country between the ages of twenty and twenty-five!

We might cite equally interesting facts about hundreds of other popular classes of flowers; about the hundreds of thousands of Gladiolus, Dahlias and other bulbs we sell; about the half million Rose bushes it takes to satisfy Dreer customers. But, to get acquainted with the broad assortment of various garden materials available at Dreers, you should send for your copy of

**The Dreer Garden Book**

Perhaps the greatest stimulant to the making of better gardens ever published. Everything it offers is distinctly worth while and meritorious. Every word in it may be likened to the gospel truth in gardening. To the newcomer to the ranks it opens vistas of unsuspected garden joys. It keeps the initiates posted as to progress by offering the choicest novelties in Seeds, Bulbs and Plants gathered the world over. Many color pages (14 in Rose Section alone) will help to form correct ideas as to what may be accomplished. Please let the Dreer Garden Book be your garden inspiration this Spring. Yours free for the asking, and please mention The American Home.

HENRY A. DREER
1306 Spring Garden Street
Not Done Anymore

You know how it used to be, the greenhouse was always put way off down in the garden, or so far some other way, that in the cold months it was a real task getting to it.

Not so now. Most folks are just like yourself. They want their Glass Garden right handy by, so it's just a step into perpetual summer land.

All of which is altogether possible these days, because of the attractive design and thorough-going practicality of greenhouses, when designed and built the way ours are.

A surprising number are being attached directly to the residence. Several just such are shown in that book called "Greenhouses As We Know Them."

Glad to send you one. No obligations.

Lord & Burnham Co.
Builders of Greenhouses and Conservatories

Eastern Factory Western Factory Canadian Factory
Irvington New York Buffalo
Boston Cleveland St. Louis Greenh., N. C.
St. Catharines Toronto

For four generations builders of greenhouses
CONSIDER THE LILIES!

A GARDEN GAY WITH LILIES FOR $5.00

Our 1929 SPRING PLANTING collection of Lilies consists of 10 hardy types which—with reasonable care—have proven entirely satisfactory. They are all hardy and will be a welcome addition to your garden. The varieties offered—when established—will give a gorgeous display of bloom from early June to September and in a wide variety of colors. By carefully following instructions in our Book "Consider the Lilies" sent FREE with each collection ordered, success will mark your venture into the realm of these "ARISTOCRATS OF THE GARDEN."

- Auratum platyphyllum: "Gold-banded Lily."
- Batemanniæ: apricot.
- Davuricum: orange-red.
- Elegans atrosanguineum: carmine.
- Hansoni: yellow-spotted.
- Japonicum Krameri: pink.
- Regale: white, flushed pink.
- Rubellum: pink.
- Speciosum Rub. Melpomene: white, spotted carmine.
- Umbellatum Grandiflorum: orange, dark spots.

One copy of our New Lily Book (2nd edition) valued at $3.00.

The above collection and book sent postpaid to any address in the United States or Canada upon receipt of $5.00. The total list of above, including our book "Consider the Lilies," is greatly in excess of the price that we ask in this introductory offer.

DAHLIA
MARSHALL’S "ELITE" COLLECTION $10.00

This collection consists of 12 tubers of named varieties of recent novelties. Each tuber is properly named and, if purchased separately, will cost from $1.50 to $2.50 each. This is a superb collection for the Dahlia "fan" desiring the best of the recent introductions at a popular price.

OUR NEW LILY BOOK!

The acclaim with which the first edition of our Lily Book was received has encouraged us to publish a New or second edition. Our New Book is vastly superior to the first publication, containing more up-to-date and complete information, as well as a host of superb new color plates. Sent free with lily orders amounting to $5.00 or over. Or it will be mailed postpaid upon receipt of $5.00.

Our 1929 Catalogue

is replete with everything necessary for a beautiful garden. It lists the latest novelties and specialties in seeds, bulbs, plants and accessories. Beautifully illustrated with many color plates and bound in stiff board cover. Mailed free upon request.

W. E. MARSHALL & CO., Inc.

152 West 23rd Street

NEW YORK CITY
SEVERAL hundred thousand two-year-old field-grown plants, in several hundred varieties, are ready to ship this spring. Many new and rare Roses are included among the 250 Hybrid Teas and Teas, 124 Hybrid Perpetuals, Polyanthas and Rugosas, 531 Climbers and miscellaneous species. Roses adapted to all parts of the country are described and priced in our catalogue.

"ROSES" by Bobbink & Atkins

This popular catalogue presents old favorite Roses as well as modern novelties. All varieties are truthfully described, with comments on their merits and demerits. Instructions are simplified, pen-and-ink sketches show planting steps and how to secure the most flowers. Many Roses are shown in natural colors, and all varieties are classified and arranged to make ordering easy. A copy will be mailed on request to those who intend to plant Roses.

Old-Fashioned Flowers

For Every Place and Purpose

Our catalogue "Hardy Herbaceous Plants" lists new and old perennials, rock plants, woodland plants, and lilies. Here will be found Aconitum, Sisyrinchium, Erica in variety, Hucheria, Geum, Oenothera, Trollius in variety, Poretnilla hybrids, Anchusa, and many other unusual perennials. An alphabetical table indicates flowering period, height and color. A copy will be mailed on request to all who intend to plant old-fashioned flowers.

BOBBINK & ATKINS, Rutherford, N. J.

Lots of fruit from little lots

continued from page 618

within six inches of the ground. Stil further to strengthen them allow none of these to produce fruit. New shoots sometimes bear in the fall. Cultivate or mulch as outlined above. After the leaves drop long canes to stakes or trellis wires to prevent being broken by wind while frozen. In spring cut puny stems and any winter-killed tips and shorten the long canes to about three feet. Plump buds on these canes develop shoots which bear fruit.

Many new shoots will develop from the roots. Let the strongest that come up in the row stand six inches apart to form a thin hedge, but pull up puny ones and those that appear where not wanted. Immediately after fruiting cut all old stems (those that bore fruit) at the ground, thus strengthening new shoots and insuring the better fruit next season. These stems will die anyway so the sooner they are cut after fruiting the better.

Among hundreds of varieties, good kinds are: June (early and long season); Latham, Herbert, or Cuthbert (mid to late season); St. Regis (or Ranere) often bears a second crop in the fall when the season is moist or the plants deeply mulched.

Dewberries must be tied to stakes or wires or they will sprawl and soil their fruit. Stout cedar peonies driven a foot or more in the ground will answer for individual plants but a two or three wire trellis supported by fence posts about twenty feet apart is better. The stems will be small the first year so stakes may be used and the trellis made the second spring. Except for tying up the stems, no one is more cold hardy than raspberries. Of the several varieties carried by nurseries Lucretia is probably surest to succeed in amateur hands.

Purple Raspberries may be grown in the same way as dewberries. Columban, the best variety, is strong growing and highly productive. The berries are not as good looking as the reds but in size, flavor, productivity and ease of growing they are more than rivals.

Currant bushes do well in partial shade: hence the advantage of growing them beneath high trellised grape vines. After planting cut off all but the two strongest stems and cut these back to only three or four buds each. This will insure strong bushes, some fruit and several stems the following year. Allow only the two strongest new stems to grow each year and when each stem has borne fruit for the third time (i.e., in its fourth year) cut it close to the ground after gathering its fruit. Among the best red varieties are Perfection, Wilder and Pomona. The best white is White Grape. When gathered immature these all make jelly, when allowed to get fully ripe they make as delicious dessert as grapefruit if stripped from the stems and covered with sugar over night.

Making a little garden look big

continued from page 357

flatten. The slope from the house was very gradual and the space was limited, insufficient for walls or steps. The actual slope, however, was about two feet in fifty and by a small amount of grading a low flower-wall was possible and three separate levels were created.

The first level, leading from the house, is paved with irregular flagstones, set in grass and outlining this terrace as a border of bright colored annuals and hardy flowers. These flowers have the added use of heightening the walls as seen from the rose garden.

The second level is an evergreen garden, one step down from the flagstone terrace. but even this slight descent makes an interesting and pleasing effect. It is so placed that it is attractive from the house during the whole year, and especially in Spring with the white of the Azalea indica alba and the brilliant red Azalea hinnegi in the evergreen shrubs. Several steps lead from the evergreen garden to the rose garden and in addition it can be entered directly from the flagstone terrace. These steps lead directly into the rose garden. The flagstone terrace has a circular lily pool as its objective. A rose arbor leads from the rose garden to a formal wall flanked with Rhododendron, Moutain Laurel, woods plants and Ferns.

The small difference in elevation from the rose garden to the terrace is only due to prevent the opportunity for the flower wall with its variety of interesting and beautiful plants and for a cozy intimate garden, attractive and varied even small that it is the diminutive size and limited proportions.

The details of design are important in any garden and especially so in one which is always seen at close range. In Mrs. Walton's garden, although the outlines and paths are symmetrical and formal in detail eliminates any unpleasant stiffness which might otherwise be apparent. The steps and walls are built of local flat stone of a warm brown tone. The stone in a short time will weather nicely, growing moss in the shaded corners and crevices and blending beautifully with the plants and grass.

The differences in grade between the levels in the garden are accentuated wherever possible. The flower border at the top of the wall has this effect and it is also increased by a low wall which encloses the rose garden on all sides. Cedar posts are built into this wall to support rose chains. The horizontal lines and the wall give the effect of a greater depth to the sunken garden than if it were otherwise.

In designing a terraced garden it is important to have the width of the terraces and the heights of the walls or banks planned in such a way that unnecessary labor will be eliminated. Frequently it is possible to arrange the level ground to form part of one level will be sufficient for forming the next.
HENDERSON'S SPECIAL OFFER

1929 Seed Catalogue and 25-Cent Rebate Slip
—Only 10c

MAIL the coupon with only 10 cents, and we will mail you “Everything for the Garden,” Henderson's new seed catalogue, together with the new Henderson 25-cent rebate slip, which will also entitle you, without charge, to the Henderson specialty offer of 6 packets of our tested seeds with your order.

These 6 packets are all seeds of our own introductions, and are among our most famous specialties—Ponderosa Tomato, Big Boston Lettuce, Early Scarlet Turnip Radish;—Invincible Asters, Brilliant Mixture Poppies and Giant Waved Spencer Sweet Peas. These, like all Henderson's Seeds, are tested seeds.

For 82 years, HENDERSON'S TESTED SEEDS have been the standard. Year after year, our constantly improving methods have enabled us to maintain our supremacy among American seed houses. The initial cost of your seeds is the smallest item in your garden's expense, and it is of advantage to plant seeds of recognized quality from a house of reputation and standing.

Everything for the Garden

This is a book of 210 pages, with 16 beautiful color plates, 194 pages of rotogravure in various colors, and over a thousand illustrations direct from actual photographs of the results from Henderson's seeds.

It offers many special collections of vegetable seeds arranged so as to give a continuous supply of fresh vegetables throughout the Summer, and collections of flower seeds especially arranged for harmony of color and continuity of bloom.

Every Rebate Slip Counts as Cash

With every catalogue will be sent our Henderson Rebate Slip which, returned to us, will be accepted as 25 cents cash payment on any order of two dollars or over.

In addition we will include with your order, without charge, the Henderson specialty collection of three packets of Vegetable and three packets of Flower seeds as described above.

PETER HENDERSON & CO.
35-37 Cortlandt Street
New York City

Enclosed is 10c for Henderson's 1929 advertising offer of Catalogue and 25c Rebate Slip.

Name ................................................
Address ...........................................
City ................................................

A. R. 3
The big difference a few trees make

Continued from page 337

of a third of an inch, and are borne in
mammoth clusters. The flower clusters
almost hide the plant in blooming time
and make a wonderful attractive
ornamental.
In Europe the flower clusters are
regarded as a desirable table delicacy.
When the flowers are fully open they
are dipped in a batter, stem up, and the
batter fried in the manner of pan-
cakes, with the pleasing result that
one has in his pancakes the delicious
flavor of the elderberry.
The Adams Elderberry is one of the
most prodigal producers of fruit to be
found. Single plants have been observed
to yield as much as thirty
quarts of berries, and single clusters
often yield a quart. The plant may be
grown in tree form, or it may be
trained as a bush.
Probably few amateur gardeners are
acquainted with the beautiful
Dwarf Cherry from northern China
which bears fruit of the same quality
as the common sour cherry. This little
tree, which seldom attains a height
of more than five or six feet, is hardly
wherever sour cherries will grow. In
the spring it is literally covered with
blossoms, and in July is laden with
the pleasing result that
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Probably few amateur gardeners are
acquainted with the beautiful
Dwarf Cherry from northern China
which bears fruit of the same quality
as the common sour cherry. This little
tree, which seldom attains a height
of more than five or six feet, is hardly
wherever sour cherries will grow. In
the spring it is literally covered with
blossoms, and in July is laden with
the pleasing result that
one has in his pancakes the delicious
flavor of the elderberry.
The Adams Elderberry is one of the
most prodigal producers of fruit to be
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Just A Moment Please
Are You Starting
Your Hardy Garden Right?

Distant Cashmere, that mysterious land of Hindoo India, sends us this charming Primrose, which forms large globular heads of a pleasing purplish blue shade, having a charmingly contrasting eye. One of the first flowers in the rockery, it thrives well most anywhere.

Wayside Gardens
E. H. Schultz
Mentor, Ohio
J. J. Grolemann
Sec-Treas.

ARE you starting right, right at the start, with plants that have proven they can go it alone, and come through smiling after a winter's hard freezing? What good is a hardy plant that has not proven its absolute hardiness? Or what's the good of buying a hardy plant that by all rights should bloom this year, and puts it off until next?

It is possible to buy Wayside Gardens good, husky, full rooted plants, that have not only the reputation of being hardy, but have proven it beyond all doubt. Proven it right out in the open, in our fields. Proven it by coming through two winters with flying colors, and this spring will "bloom their fool heads off," so to speak.

That's the kind of hardy plants, and none other, that Wayside Gardens offers you. Every plant is absolutely guaranteed to be not less than 2 years old, and every one field grown, and winter tested.

So start right, right at the start, with Wayside Gardens' 2-year-olds. Send for the catalog. It's so much more than a mere catalog.
An early indoor start with seeds

Continued from page 335

one-half inches wide, and three inches deep. These may be made of any boards and of wood. There is a firm that sends flats to you with the pieces of the right sizes to put together. All the purchaser has to do is simply to nail the pieces together to form the flat.

Over the holes in the bottom of the flats put pieces of broken crock. Perhaps there are no holes in the bottom of these flats, but there are cracks between the boards. These should be covered over with pieces of crock, and in fact, the whole bottom of the flat may have a layer of crock as drainage material.

Next, fill the flats to within a half-inch of the top with a mixture of half sand and half garden soil. Soil for starting plants should be half sand and half garden soil. The sand is what we speak of as builders’ or sharp sand. It is the ordinary sand used in construction. Take any garden soil you happen to have, or some from a florist. Do not buy rich potting soil, just ordinary garden soil. Both the sand and the soil should be sifted separately and then together. This screens out pieces of stone, twigs, and hard lumps. A great many people recommend using straight sand. My experience has been that while the plants start a little sooner in sand, they do not put forth so healthily in the first growth and get long-stemmed or “leggy” as we say. I often use sand as a cover for the seeds, sift it gently over the seeds after I have planted them on the top surface of the soil.

Let us assume that the soil has been sifted, mixed (a good mixture of half garden soil and half sand), pressed, and is now put in the flat to within one half-inch of the top. The soil should be firmed down. That is, tamped, or better, a flat iron-like instrument spoken of as a float, having a broader surface than a tamping. With this, one may press down momentarily and evenly on the top surface of the soil. What a nice looking piece of work this is—the well-firmed property, so fine that you cannot handle them.

There are two ways to sow seed. Take a plant label and open a drill or narrow furrow, opening it about one quarter of an inch in depth. Make a series of these little drills across the box widthwise, placing the drills about one inch apart. Into each of these little drills sprinkle seed just about as closely as you would. Take the seeds between the thumb and forefinger; roll them between these two fingers and they will fall just about the right distance apart. The seeds are then covered with soil, patted down with the flat of the label or with the tamper. At the top of each row place a little fancy label with the name of the seed and the date of planting.

I can imagine some people saying, "What general directions are there since seeds differ very much in size." Yes, they do. For example, they differ in size from seed the size of the Zinnia (this annual seed I often start indoors) to seed the size of Begonia, so fine you can scarcely handle it. Seeds the size of Zinnia should be placed about a quarter inch apart, and seeds the size of Pansy should be sprinkled so that the seeds are approximately one right after the other; seeds so fine that you cannot see them at all, let us treat in an entirely different way.

Make a miniature greenhouse for such seed. In order to do this, fit pieces of glass all around the sides and ends of the flat; then stand them up about four to six inches above the surface of the soil, and place a piece of glass on top of these to complete the miniature greenhouse. When you plant the very fine seeds take off the top piece of glass and sprinkle them on the surface of the soil, tapping the seeds with your finger or pencil out of the little envelope. This will have been torn off. Thus scatter the seeds over the top surface of the soil; then sift the finest layer of sand on top of them. Such fine seeds may be watered through cheesecloth, but that is, put a piece of cheesecloth over the surface of the soil and water. The water slowly drips down and waters the seeds without washing them. If you have a sprinkler head, watering is just this—that a great many people water quite violently, and little bunches of seeds are sent as far as by flood—and it is a flood for the seeds. There will be no such stragglers; to water the seeds—to various parts of the flat. Confusion is caused in this way. If you use a sprinkler head, then he may rescue them out of the clump but a great many seedlings, in their first stages, look so much alike, so careful planting, watering, and labeling are things beginners should keep in mind.

After the seedlings have started up and when the second leaves appear, transplanting should take place. The seedlings should be transplanted or pricked out from one flat to another, using a mixture of soil a little heavier in food value than the mixture used in the beginning. Use two parts of garden soil to one part of sand. Baby seedlings cannot be taken from the one flat to another, because the soil is too light. Prepare the flat as you did in the first place. Use a label and take up a little bunch of seedlings. Let us pretend that they are seedlings of Larkspur. Out of the clump take one seedling; hold it up and if the root system is long and straggly, break off and put to use the half of it. Occasionally one sees a nicely developed root system and then a second one. This latter is called a secondary root system and is a sign of weakness. Do not let it go on. Pinch it back. The reason for pinching back the roots is to form a more compact root system, or a less straggly one. Now to put our little seedling into its new home. Instead of opening up a drill, measure about an inch from the edge of the flat. Place a straight stick or a ruler and lightly make a line in the earth just to a straight row into which you may put your seedlings. Take a dibber, which is a pointed stick a little larger than a skewer and stick it in the soil. Lower the seedling into this so that the earth comes up to the lowest leaf or lowest pair of leaves. Press the soil with your thumb about the seedling so (continued on page 630)
MARCH, 1929

HOME

SPRING PLANTING
for
OLD HOMES as well as NEW

There is nothing more depressing than a home that seems cheerless lacking in character, of uninviting appearance. What could be more delightful than to rearrange home surroundings of this type. There are always new varieties, different combinations of shrubs and flowers, that when properly arranged will work wonders with your modest little home.

Decide now to move those undesirable and overgrown bushes in the foreground to a new location. Plan to select and set out this coming spring more appropriate shrubs, plants and flowers and thereby—finally acquire a home replete with charm and natural beauty.

Our new 1929 Spring Catalogue and cultural guide, fully illustrated, is now ready. A complete source of valuable information that will greatly assist you with your plans. Send for your copy at once.

The BAY STATE NURSERIES

W.H. WYMAN and SON Props.

NORTH ABINGTON, MASSACHUSETTS

All Winners!

For 5 years in succession our Dahlias have won Gold Medals and other Trophies at all leading Eastern Shows. We are known for the superb qualities of our

DAHLIAS

Here are a few of our present day leaders:

KATHLEEN NORRIS

Glorious pink. Won "First" for best flower exhibited at four leading shows 1928. Plants only, $7.50.

SANHICAN'S BEAUTY


SANHICAN'S QUEEN

Apricot and Carmine Rose. Very rich. Perfect form and stem. Tubers $7.50; Plants $3.75.

BETTY IVINS

Delightful salmon and amber. Bred on "Betty" for size, color and stem to win exhibition awards. Tubers $7.50; Plants $3.75.

All above and other beauties fully described in our catalogue, with many splendid illustrations, mailed free on request.

FISHER & MASSON
Box G, Sanhican Gardens, Trenton, N. J.

"Growers and Originators of Gold Medal Dahlias"

If You Would Have
ROSES You Need

Melrosine

YES, you need Melrosine if you want any kind of flowers in their unblemished beauty. Those rapacious Rose Bugs will attack Peonies, Pinks and Poppies, in short, any of the delicate, tender-petaled flowers that grace the early Summer's garden. Even fruits are not immune. Melrosine absolutely kills these vicious Rose Bugs and other harmful hardshell insects. But it does more! It is recognized as the

Greatest Garden Cleansing Agent Extant

It checks blights and other fungous diseases that spread by spores. By keeping plants healthy it maintains the garden at a high degree of productiveness. It kills Aphids, that most nefarious enemy of all plant life—in a word, it does all that a really complete, allround insecticide and fungicide should do. And it does it so thoroughly that it is the acknowledged choice of the country's most exacting garden enthusiasts.

For sale at the foremost horticultural supply stores. If yours does not offer it, we'll supply direct. Descriptive leaflet on request.

GARDEN CHEMICAL COMPANY

Park Avenue & 146th Street New York, N. Y.
Cooperating Societies:
SOCIETY OF AMERICAN FLORISTS AND ORNAMENTAL HORTICULTURISTS
SOCIETY OF LITTLE GARDENS
ONTARIO HORTICULTURAL ASSOCIATION
AMERICAN DAHLIA SOCIETY
AMERICAN PLANT, FLOWER AND FRUIT GUILD
WOMEN’S NATIONAL FARM AND GARDEN ASSOCIATION
THE AGASSIZ ASSOCIATION
NATIONAL HORTICULTURAL ASSOCIATION
THE SCHOOL NATURE LEAGUE
AMERICAN FOREST ASSOCIATION
WILD FLOWER PRESERVATION SOCIETY

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Mr. Robert Pyle
Mrs. John D. Sherman

instance, were built from old stones salvaged from a dump; the “old oaken bucket” is a champagne cooler, and the roof of the well consists of bouquets joined in such a way as to make a rustic cover. A feature of the garden is a series of three artificial pools. The pools are arranged in such a way that the water from one of them flows down an incline into the second and then into the third. Dr. Loesch used sections of huge olive barrels to form the bottoms and sides of these pools, but so cleverly did he conceal them with various sponge rocks that they are not at all noticeable.

Growing in the crevices are several varieties of moss and on the bosom of the pool floats water hyacinths.

Walking down a pavement which runs through the center of the garden, one sees on the right hand a great variety of flowers, and on the left, beds of irises, of which he has fifty-seven varieties. Proceeding down the pathway, one notices on the right the series of pools, in which are many goldfish. Growing on the banks of this pool are so many species of moss that Dr. Loesch himself does not know how many varieties there are.

The committee of the society in judging the gardens ran across many interesting facts. It found—where it least expected to find anything of the sort—a fig tree, planted by a woman who resides on Gratiot Street.

Certificates of awards were also given to twenty-four whose gardens were commended by the district judges.

One of the best reasons for having a garden is given in the picture on this page sent to us as a result of the picture contest in Montana carried on by Mrs. W. I. Higgins in her work as Chairman of “Better Gardens” in the Rocky Mountain Garden Club and of “Art in the Home and Garden” in the State Federation of Women’s Clubs.

As proof of the important work done by garden clubs is the active campaign carried on by the federated garden clubs of Illinois.

Federating only a short time ago when there were but a few clubs in the state, the federation now includes 149 clubs with a membership of nearly 4,000. They are doing an important work under their president, Mrs. Frederick Fisher, of Lake Bluff.

In the third annual Garden & Flower Show to be held in Chicago from February 25th to March 5th, the exhibits of these garden clubs will occupy one entire floor with special sections devoted to window boxes, little gardens, luncheon table decorations, shadow boxes, miniature models, flower arrangement and a conservation poster competition.

For leaflets to help with your National Garden Week observance, for programs and free constitutions and by-laws for garden clubs, address
The National Garden Association, Garden City, L. I.
Our Native VIBURNUMS

The most valuable family of native New England shrubs, of easiest culture and utmost hardiness, beautiful in bloom and still more beautiful in fruit. Clean fresh foliage turning to gorgeous colors in autumn. What more can one ask?

Viburnum alnifolium. Hobblebush. A true child of the wilderness and detoxing civilization. This hobblebush, nevertheless, is possessed of a vanity supposed to be a more urban characteristic, for it insists on leaning over the deep pools of a shady brook to see its immense panicles of white reflected in the water. The leaves are large and heart shaped and the fruit red turning to black. The showiest and oldest of the native viburnums, and must be planted in moist shade. 2-3 ft. bushes. 50c each. $4.50 per 10.

Viburnum acerifolium. Mapleleaf Viburnum. Five feet tall and bearing cream-white flowers followed by black fruit. But it is the brilliant pink coloration of the autumn leaves that is the crowning glory of this viburnum. 2-3 ft. bushes. 60c each. $5.50 per 10.

Viburnum cassinoides. White-red or Wild Raisin. The best shaped bush of viburnums, growing compactly to 6 to 9 feet. The foliage is glossy and leathery and turns to brilliant red and yellow shades. A profusion of creamy white flowers in June is followed by fruits first red and finally turning to black. One of the neatest of all shrubs. 2-3 ft. 75c each. $6.50 per 10.

Viburnum dentatum. Arrowwood. This viburnum leads in the beauty of its foliage, holding its bright glossy green color until autumn when it colors deep purplish red. White flowers and fruits of shining blue. Attains a height of six to eight feet. 2-3 ft. 50c each. $4.50 per 10.

In addition to the above, we offer 6 other varieties of viburnums.

Special Offer: To get you better acquainted with our native viburnums we will send you two of each of the above five varieties, ten shrubs in all for $5.00.

If you need other Shrubs, Evergreens, Shade Trees, Vines, Fruit Trees, Berry Plants, Roses, Rhododendrons or Perennials, send for our 1929 catalog today.

George D. Aiken, Box V, Putney, Vermont

"Grown In Vermont, It's Hardy"

Every day—
You are Judged by the Appearance of Your Grounds

The world judges appearances! Make no mistake about it, you are being judged every day by the appearance of your home grounds. Particularly is this true now, when a great vogue for beautiful home surroundings is sweeping the country—when well-planted and well-kept home grounds are as much a part of the trend of the times as modern motor cars and fashionable apparel.

What Kind of an Impression Do Your Home Grounds Make

—upon friends, neighbors and passers-by? Do beautiful ornamental and fruit trees, hedges, shrubs, vines and flowers say to all who look—"Here live people of good taste, culture and refinement—the kind of folk you would like to know?" Or does the lack of them leave quite the opposite impression?

Plant This Spring and Enjoy Beautiful Grounds This Summer

In one short season—this spring—you can work miracles in the appearance of your place. Write or consult your nurseryman or his representative. He will assist you in achieving beautiful and fruitful home grounds. Make up your mind right now to know the thrill of satisfaction that comes with the knowledge that your grounds measure up to modern standards of beauty and good taste. And remember that—

Beautiful Home Surroundings Really Cost You Nothing

Each tree, shrub, vine and flower adds far more to the actual cash value of your property than it costs. Every real estate authority will tell you that the well-planted place will not only sell for more, but will also attract many more buyers than the place that is poorly planted, or not planted at all.

This FREE Booklet Will Help You Achieve Beautiful Grounds

A new and valuable booklet, edited by Ernest H. Wilson, one of America's foremost horticulturists, will be sent to you free, if you will return the coupon below. It is written especially to help the home owner. It pictures and describes the modern trend in beautifying home grounds; makes clear the concepts of good taste and describes what constitutes a well planted grounds.

Send This Coupon Now for FREE BOOK

National Home Planting Bureau
Sponsored by The American Association of Nurserymen

402 Union Bank Bldg., Davenport, Iowa

Whoever please send a FREE copy of your helpful new booklet "How to Plant the Home Grounds" to

Name ____________________________
Address _______________________________________

(A. H. 3)
An early indoor start with seeds

Continued from page 626

it is firmly in place. Take the dibber, and about an inch away from the stem of the plant, press the soil, so that, if at the base of the plant a little space is left, it will be filled in by soil which is forced in by the pressure of the dibber. If a little hollow place is left beneath a root system, water will settle and cause decay. It is as bad a situation as that of a poorly filled tooth. An inch away from the first seedling, put the second one and keep on in this simple orderly way until you have a whole flatful of seedling plants.

Someone may ask if the plants need a second transplanting or "shifting," as we say, and if the soil should be sifted every time. The answer to the first question is "Yes, probably." The answer to the second question is "Yes, always." For the second shifting use straight garden soil, well sifted. Keep turning the flats of seedlings around, so that the plants do not grow all in one direction. If one has a little greenhouse the shifting is not so necessary, since light comes pretty evenly around the plants throughout a whole day. The nearer the warm spring days are, the more rapidly these plants will grow.

I know someone is asking this—"What is the reason for setting the plants so much lower each time in their new positions?" The reason is this: when the stem is put underneath the surface of soil it tends to send out roots and the more roots a little seedling has the more food it will take in, and the faster it will grow. Each time a shift is made in the position of a seedling, it should not only be set lower, but farther from its neighbors. The first time we planted our little seedlings one inch apart; the second time let us plant them two inches apart.

There is a tendency for certain flower seedlings to bloom before it is time to set them out. If you notice that they are starting in to bloom, be sure to pinch off the buds, and so retard the blossoming time. Tomato plants have a tendency to form blossoms when started indoors. It is not wise to set them outdoors till all danger of frost is gone which in the locality of New York is early June. Pinch off the blossoms. It is a good plan to shift the seedlings into paper collars, pots, or cups or dirt bands; when they are transplanted outdoors, cup and all is put in the ground. Of course, these paper containers are not used till the last shifting. If one has to transplant a third time add one third leaf mold to parts garden soil and one part sand. The extra leaf mold adds food value to the soil mixture.

If the surface of the soil begins to look unhealthy, white, or if it has a green scum, you have watered too heavily. When the spring days get warm, let considerable air in upon the seedlings to help them "harden off." Some of them may go out in the coldframe in late April, or early May, to be shifted after the middle of May into the outdoor garden. It is not safe in the vicinity of New York to put the flower seedlings out doors before the 15th of May.

Why not add a few interesting new things to your list of flower seedlings? I like to start Begonias. Get seed of Erfordi. Try out some of the English strains of Larkspur, like Wrexham. Zonal Geraniums are jolly fun to try. Sensitive plant or Mimosa; Strawflowers, Perennial Babybreath—are all entertaining. One might enjoy starting a few of the desert garden plants like Mesembryanthemum, Echeveria, and Sedum continuus.

Here is another word about choosing your seeds. Choose the very best strains; the best cannot be too good for us!

LISTS TO CHOOSE FROM

Annuals to be started indoors: African Marigold, Ageratum, Aster, Lobelia, Snapdragon, Zinnia. Perennials and Biennials to be started early (February or early March): Delphinium, Echium, Foxglove, Gaillardia, Lupin, Pansey, Pentstemon, Phlox, Pyrethrum, Snapdragon, Sweet William, Viola.


Border Plants: California Poppy, Capefuschia, Dianthus, Dwarf Ageratum, Lobelia, Pansey, Sweet Alyssum, Sweet William, Viola.

Points to remember

When seedlings show their second leaves, transplant.

Set the seedling lower in its new place than in its old.

Pinch off some of the root system.

Take great care in watering.

Start with soil and sand. Seedlings must have fine soil to grow in.

GEORGE LAWLER, Gardenville, Tacoma, Wash.

COUPON

GEORGE LAWLER, Gardenville, Tacoma, Washington

You may send me the following for which I enclose check for $ for which you may send C. O. D.


Name.

Address.

A. H. March '29
Here is Your Free Copy

The Storrs-Harrison Cos.
37th Anniversary Catalog

TEES - SHRUBS - PLANTS
VINES - SEEDS - ETC.

SEND the coupon at the bottom of this page for your FREE copy of the catalog of the OLDEST and LARGEST Departmental Nursery in the United States. This unusually attractive and complete catalog has been especially designed to make our Diamond Jubilee an outstanding and memorable event.

A Water Lily Pool for Every Garden

HERE is room in your garden, even though it be small, for a Water Lily Pool, or at least for a simple sunken-tub garden. Your Water Lily Pool will quickly become the center of interest in your garden, for the culture of colorful, fragrant, beautiful Water Lilies, interesting, odd aquatic plants and ornamental fishes is fascinating.

Many make the mistake of thinking that the beauties and joys of a Water Lily Pool are only for those who have large estates. Some of the prettiest Water Lily Pools are located in small gardens. Beautiful effects are obtained with a simple sunken-tub pool surrounded by rocks and aquatic plants.

Collection for Small Pool $10

Includes 3 Water Lilies, pink, blue, yellow; 20 Aquatic Plants in 10 Varieties; 12 Goldfishes; Collection of Tadpoles, Jap Snails and other scavengers.

Collection of 60 Tadpoles, snails. Includes 6 Aquarium Plants, all interesting frogs, turtles, damas, etc., for pool — $5.00.

DeLuxe Collection of Water Lilies $20

The Seven best Lilies — Attraction, large dark red; Comanche, orange; bronze, crimson; Morning Glory, shell pink; Chromatella, deep yellow; June, large, white, Mrs. Ed Whittaker, blue; General Pershing, pink.

Spring Surprises

In the Garden

It won't be long before you will be looking for the first flowers of spring—pussy willows, snowdrops, forsythias. You will have some joyous minutes, too, when you find that the new plants and shrubs set in winter are full of life and breaking into leaf and bud—particularly happy you will be if these new plants are from Hicks' Nurseries.

A recent visitor, who has carefully studied our list of plants, told Mr. Hicks that he had more rare and unusual plants than any other firm of his acquaintance. So we began to check up the list—here it is:

New type of Yew (Taxus cuspidata Hicksii), Berberis aristata B. gagnepamii and B. verruculosa (Evergreen Barberry), Cotoneasters in variety; Lonicera Henryi (which Prof. Sargent says is the best hardy evergreen vine), Galax aphylla, Corunus dumbari (Dunbar's Dogwood), Eriostemon (Japanese Bellflower), Styrax obassia, Symphoricarpos (Turquoise Berry), Ledum (Labrador Tea), Kermes Anadara—but why go on! Wouldn't it be better for you to come to the nursery and see these rare plants?

Drive Out Some Day

All evergreen vines, shrubs and trees are just as beautiful in winter as in summer, and almost any day you can get about the nursery without difficulty. Long Island is warmer than the mainland.

Our catalogue comes next to a Visiting Mr. Hicks, pink, blue, yellow; 20 Aquatic Plants in 10 Varieties; 12 Goldfishes; Collection of Tadpoles, Jap Snails and other scavengers.

Send for FREE Catalog—Illustrated in Colors

Write today for your Free copy of our 1929 Catalog. It shows how you may enjoy a Water Lily Pool in your own garden this spring. Tells how to build a pool inexpensively, how to plant a sunken-tub pool; describes and illustrates in color, fascinating varieties of Water Lilies and explains their simple culture; chapters devoted to Aquatic Plants and Ornamental Fishes. Write TODAY for your Free copy.

"World's Largest Grower of Water Lilies"

WILLIAM TRICKER
32 BROOKSIDE AVENUE—SADDLE RIVER, N. J.
The Novelty Hunter's Delight

Novelties are the time markers of progress. From the beginning they have been the footsteps leading to the success of our business. And year after year, the always worth-while novelties as sponsored by Totty's have brought untold garden joys to hobbyists everywhere. The march of horticultural progress is again presented through Totty's Plagiarist Catalog No. 29 for 1929.

The Totty Year Book

Through it you'll meet the Aristocrats of Rose-hunters, the Peers among Chrysanthemums of all types, the few real hardy plant novelties of the past few years. This catalog will prove a source of inspiration to all who are not contented to travel along conventional garden paths but who seek and appreciate the unusual and better!

Please ask for your copy of what friends have called "the most eagerly awaited plant catalog in America."

CHAS. T. TOTTY COMPANY

Headquarters for Flowers, for Garden and Home

Madison, New Jersey

Better Flowers for Discriminating Buyers at 4 East 53rd Street, New York City

1929

The American Home

A really good Gladiolus for little money

Continued from page 336

more toward scarlet, and the latter toward pink.

In scarlet tones, Dr. F. E. Bennett, the sensational "house afire" variety of seven years ago, still reigns supreme. Like several of the others in this list, it was introduced at a fabulous price, although time has tempered this, while leaving the variety still a real masterpiece.

William Kent would appear to be the choice in the cream shades, although it does not do as well in some soils, or under some conditions, as others. It certainly deserves trial, however, for if it likes its surroundings, it is supreme, usually with ten large, decidedly ruffled blossoms in simultaneous magnificence. If you are of a conservative nature, substitute Fern Kyle.

There is quite a number of pure whites on the market. Mrs. F. C. Hornberger can, under the most favorable conditions, produce unbeatable spikes; but it is still somewhat expensive, and its place may be temporarily filled by the older and less sensational Carmen Sylvia.

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Make your home a picture

Every home should be a picture. It can be beautiful, even though a cottage, if proper care and selection has been used in the planting of trees and shrubs which form its setting.

Landscaping not always expensive

Landscaping has a technical tang, sounds expensive, but it need not be. In creating the landscape picture judicious planning is necessary. Those who make gardens and landscapes have to look ahead, because they use materials requiring time to grow and develop to take their proper places in the picture. Many another-wise beautiful house has been spoiled by haphazard plantings. The advice of a good landscape architect, therefore, often results in a saving of time and money.

Consult our landscape service

Whether you are planning a six-acre park with tennis court and swimming pool or a six-room bungalow with garage attached—get in touch with us. You will be surprised for how little money you can increase the outdoor beauty of your place—many times. This service may be worth much more than the amount you spend on your planting—but it's yours for the asking. The large volume of business we do in this field enables us to render this service to our customers at nominal cost.

We supply everything necessary

We not only provide a landscape service for our customers but furnish from our own nurseries all varieties of evergreens, fruit trees, shade trees, shrubs, perennials, roses, berry bushes and everything necessary for the largest estate or the small home. All stock hardy, well rooted, and acclimated to cold temperatures.

GLEN BROS. Inc.
GLENWOOD NURSERY
1762-72 Main Street Rochester, N. Y.

Send for catalog today

Send the coupon below for further information about making your home attractive. No obligation, of course.

Prices Greatly Reduced

Light weight, short coupled, easy to operate. Automotive type 4-cycle gas engine. Low price makes it the biggest value in Power Mowers.

The Cooper

Write for Catalog and reduced prices.

COOPER MFG. CO., Dept. A, Marshalltown, Iowa, U. S. A.
Vaughan's Gladioli for the Garden

MODERN gladioli have won a definite place in the garden picture. In height, size, and commanding beauty, they are among the dominant flowers. From a single bulb of the better varieties one obtains a display equaling, if not surpassing, that from an iris plant. The season of bloom from a single spike is from one to two weeks, during which the flowers open in succession.

Try one of the outstanding garden varieties listed below, or send for Vaughan's Gardening Illustrated, 1929, which contains the most complete list of meritorious varieties offered by any seed catalog. Twenty-three varieties are accurately pictured in full color. We also issue a special price list offering small bulbs for propagation, which is sent on request.

Mrs. Leon Douglas, largest and tallest, reaching 5 feet, with giant flowers of begonia rose. Each 25¢; doz., $2.50; 100, $18.00.

Forest Fire, rivaling Mrs. Leon Douglas in height and size, huge flowers of dazzling orange-scarlet, the sensation of the 1928 Toledo Show. Each 50¢; doz., $5.00.

Rosa Raisa, 1929 Vaughan introduction, true blue-violet, larger than Veilchenblau. Each, $1.50.

Veilchenblau, the first large flowering blue-violet introduced. Each, $2.00; doz., $20.

Kalamazoo, large, vigorous, purple-violet, each 25¢; doz., $2.50.

Tawney, 56 inches tall, large flowers of rose apricot, 1929 Vaughan introduction, each $1.00.

W. H. Phipps, a masterpiece, La France pink, large and perfect, finest of show flowers. Each, 40¢; doz., $4.50.

Edith Mason, delicate self geranium pink, awarded medal at Toledo Show as best new pink since 1926. Each, $1.00; doz., $7.50.

Vaughan's Famous "de luxe" Rainbow Mixture

First size bulbs, composed of choice named varieties, 13 for $1.00, postpaid; by express, for $3.00; 100 for $5.50.

A Rainbow Garden of Gladioli for $1.00

Thirty bulbs, of flowering size, not less than 5 varieties, postpaid for $1.00.

VAUGHAN'S SEED STORE

Department 22

10 West Randolph St.
Chicago, Ill.

47 Barclay St.
New York City
Tea Crab Branches are Slender Plumes of Dainty Pink

None of the flowering trees can exceed in beauty the Chinese Tea Crab, Malus thyrifera. The long branches are actually covered from base to tip with light pink flowers, making the tree a veritable bouquet of color.

Like all of the family, this introduction from the Orient is perfectly hardy, and blooms with the greatest freedom. Half-a-dozen plants will light up the whole garden.

8 to 10 ft. heavy specimens $18.00 each
7 to 8 ft. heavy specimens 12.50 each
6 to 7 ft. heavy specimens 9.00 each
2 to 3 ft. 2.00 each

Many other new and rare plants are featured in our catalogue "Landscapes and Gardens" and its supplement. If you do not have a copy, please advise us.

WYMAN'S
Framingham Nurseries
FRAMINGHAM—MASSACHUSETTS

The Golden Rule Dahlias
A New Race

The characteristics of the Golden Rule Dahlias are that they possess sufficient vigor and resistance to hot weather insects, and that they bloom steadily all summer, even under adverse conditions. Our Table of Ratings given in our catalog will aid Dahlia growers to make their selections according to these ratings. It is the most accurate information ever supplied to the public in regard to Dahlias. We will gladly mail our catalog to those interested in the Dahlias that measure up to our standards.

Feature Varieties for 1929

OHIO GLORY—HYBRID CACTUS
It is far ahead of any other Hybrid Cactus we have seen in respect to beauty, number of blooms, resistance to heat and disease and habit of growth. Color between Rhodamine purple and Tyrian rose—rich and pleasing. It is the brightest color in our fields.

Tubers $3.00 each. Two for $5.00
Plants $1.50 each. Two for $2.50

GOLDEN ACRE
A beautiful glistening golden yellow. For sheer beauty this hybrid cactus is not surpassed by any other dahlia. In the 1927 Garden & Home Builder Roll of Honor.

Tubers $6.00 each. Two for $10.00
Plants $3.00 each. Two for $5.00

Try this Special Golden Rule Collection; the most prolific and highest rated Dahlias ever grown.

<table>
<thead>
<tr>
<th>Variety</th>
<th>Tubers</th>
<th>Plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ohio Glory</td>
<td>92</td>
<td>$5.00</td>
</tr>
<tr>
<td>Golden Acre</td>
<td>91</td>
<td>6.00</td>
</tr>
<tr>
<td>Papillon, Salmon, Hy. C.</td>
<td>91</td>
<td>1.00</td>
</tr>
<tr>
<td>Sagamore, Orange, Dec.</td>
<td>91</td>
<td>1.35</td>
</tr>
<tr>
<td>Ellinor Vanderveer, Lavender Dec.</td>
<td>91</td>
<td>1.50</td>
</tr>
</tbody>
</table>

1 Tuber of each of these $5-$8.50
1 Plant of each of these 5—$4.25

Be sure to ask for 1929 Rated Catalog.

GOLDEN RULE DAHLIA FARM
Harley T. Peck
LEBANON, OHIO
The beautiful new lily comes from North-western China which is a guarantee of its hardiness. Bailey's Cyclopedia of Horticulture says of it: ... is often reflected through the petals. Height 3 to 4 feet; mature bulbs, producing 5 to 10 flowers in June and July.

New Chinese Regal Lily

(L. Myriophyllum)

This beautiful new lily comes from North-western China which is a guarantee of its hardiness. Bailey's Cyclopedia of Horticulture says of it: "One of the most beautiful of all known lilies. The exquisite blending of tints and colors forming a charming contrast with the rich green foliage. A highly recommended for every home garden plant. The large trumpet-shaped inflorescence is pure white and will flower in profusion during June and July. A well established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing 2 to 4 enormous blooms."

Tuberosous Rooted Begonia Bulbs

Unquestionably the most beautiful and reliable of all autumn perennials. The Begonia Bulbs are guaranteed in size and abundance of flowers and wonderful range of enameled color, blooming continually from June to November. They delight in partial shade. Line planted for pot or window boxes. If you live in city apartment, you can successfully grow these beautiful flowers.

The Bulbs Will Keep for Years

As easily kept over winter as pot flowers. A lovely variety, I still have bulbs ordered from you ten years ago. Detailed cultural instructions furnished with every order. These bulbs have always sold at 25c to 35c each.

Japanese Iris Kaempferi

Finest of all the Iris family. The flowers are of immense size, from 6 to 8 inches across and of the most beautiful, delicate colors. Perfectly hardy and will flower in profusion during June and July. A well-established plant gives a dozen or more flower stalks 2 to 3 feet high, each stalk producing 2 to 4 enormous blooms.

A Wonderful Bargain Offer

We have a surplus of fifty thousand roots in many colors. The usual price 25c to 40c each for named varieties. Our Special Price, not separately named:

- 10 bulbs, 20 roots, 40 roots, $1.00
- 50 roots, $2.50
- 100 roots, $5.00
- 150 roots, $7.50
- 200 roots, $10.00
- 300 roots, $15.00
- 500 roots, $20.00
- 1000 roots, $40.00

Delphinium "Belladonna," 20c, 3 for 50c

Strong, blooming size roots, 20c, 3 for 50c.

We have a surplus of fifty thousand roots in many colors. The usual price 5c to 40c each for named varieties. The Bulbs Will Keep for Years as easily kept over winter as pot flowers. A lovely variety, I still have bulbs ordered from you ten years ago. Detailed cultural instructions furnished with every order. These bulbs have always sold at 25c to 35c each.

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Delphinium "Belladonna," 20c, 3 for 50c

Strong, blooming size roots, 20c, 3 for 50c.
Beauty From the Blue Ridge
Redeemly Moved to Lowland Gardens

In Spring gorgeous Rhododendrons color the slopes of the Blue Ridge Mountains; Azaleas and a mass of Kalmias bloom under the evergreens; a clump of Lilies strives along a little run that tumbles over the rocks.

You Can Have These Native Plants
In Your Own Garden

A craving for mountain plants lies deep in the heart of most gardeners. Usually the longing is not gratified because of fear—needless fear—that such plants will not live in other surroundings. For many years I have sent Carolina-grown plants to almost every corner of the country, to the entire satisfaction of customers. Experience proves that mountain wildings can be transplanted safely to lowland gardens, carrying with them the fragrance and color of their highland home.

I can supply Rhododendron catawbiense, native Azaleas, Peonies, Orchids, Trilliums, Lilliums, and Bog plants in almost any quantity, as my nurseries are devoted to the production of native plants, shrubs, and trees, my catalogue will help you to know them—may I send you a copy?

E. C. ROBBINS
Gardens of the Blue Ridge
Box 7, Ashford, N.C.

Order from Kunderd's FREE Catalog

Tast finest Gladioli to be found anywhere in the world are listed and described in Kunderd's new catalog. Kunderd, you know, is the man who originated the famous Ruffled Gladiolus, the Laciniated type and many others. He is probably the best-known Gladiolus authority in America, if not in the world. Mr. Kunderd has been growing Gladioli for nearly fifty years. He is a Gladioli expert akin to Burbank in his knowledge of things horticultural.

Buy Kunderd Gladioli and grow them according to Kunderd's own directions. They are the methods he himself follows togeth such marvelous results.

*Write for Gladioli Book—FREE*

In it you will find, not only a list and descriptions of hundreds of exquisite Kunderd Gladioli, 63 of them introduced for the first time this year, but 4 pages fully illustrated in color and a wealth of interesting information about Gladioli and other Flowers. Write for the book today. Please use the coupon.

A. E. KUNDERD
Originator of the Ruffled and the Laciniated Gladioli

177 Lincoln Way West, Goshen, Ind., U. S. A.

Special prices for large, healthy, carefully chosen bulbs.

10 bulbs, colors as above $2.75
25 bulbs $6.35
100 bulbs $24

Ask for our CATALOG—al! charming things that grace and enrich a garden. Illustrated.

Miss Ella V. Baines
The Woman Florist
Box 230 SPRINGFIELD, OHIO

INDESTRUCTO METAL PLANT—TREE LABELS

*In France*

Label your plants and learn to know them. Add to the orderly appearance of your garden. Attrac-
tive—weather and wear proof. Always legible. No ink used. Inexpensive. "Best ever."

Labels for trees, plants, shrubs, pot plants and garden stakes.

Send 10 cents for sample of various kinds

Ball & Socket Mfg. Co.
WEST CHESTER, CONN.
FREE — CATALOGUE and Booklet entitled "How to Plant - these very special postpaid prices 1/2' - 12' thrifty plants GS for 4 each for $2.00 12' - 18' very bushy SE for 6.00 24' - 30' extremely bushy SE for 9.00

Universally liked for its mass of beautiful brilliant flowers is the Japanese Azalea. Its dependability as a profuse bloomer makes this shrub much in demand. On planting, the choice of a site is of the greatest importance. Azaleas are natural to the cool, moist, shady woods. They like the soil of the leafmold. On planting, choose with discriminating taste. Azalea always finds its well deserved place.

ORDER either of the following shrubs from this ad, at these very special prices.

Japanese Azalea (Mollis)
- 1/2' - 12' thrifty plants
- 1/2' - 12' each for $2.00

ANDORRA NURSERIES, Inc.
CHESTNUT HILL PHILADELPHIA

"GREATER GLADS" by Joerg

Out of ten new and distinct Gladiolus, which are offered for the first time in our new catalog (just published), we are here featuring three beauties, which we feel sure will interest "American Home" readers. We offer these with the same confidence with which we placed the renowned "Joerg's White" on the market 5 years ago.

"DELIERT"

One of our most promising introductions for 1929. Flowers are creamy white later turning to pure white, with a most fascinating tint of tawny yellow in the throat, veined crimson, blue anthers. Petals have a tough leathery texture. Flowers all facing one way in a huge sturdy spike. A splendid exhibition variety (illustrated at left). Each $1.00; doz. $10.00.

HYDE PARK SUNSET

One of the most brilliant Gladioli we have ever seen. It is clear dazzling orange-scarlet, mottled with deep scarlet and orange in the throat. Where bright color is wanted, nothing can equal this for a border or cut flower. Flowers are well placed in a long open spike which makes it a most desirable one for indoor decoration. Each 50¢; doz. $5.00.

DEAREST (Ruffled)

A glorious flower of the most delicate tints. The ground color is a flesh pink blending through salmon to a rich pink at the tips. Mixed with tawny yellow and striped veined. Petals broad and overlapping, beautifully crimped and ruffled. Flowers large and open, evenly spaced all facing one way, vigorous growth. A vase of these flowers makes a picture of superb beauty. Each $1.00; doz. $10.00.

SPECIAL. One bulb of each $2.25 of the above, postpaid for

GEORGE J. JOERG, Inc.
NEW HYDE PARK (Box G) LONG ISLAND, N. Y.

Gorgeous Gladiolus

Only one word "Gorgeous" is fit to describe the flowers from Hunt's Gladiolus Bulbs. Tall spikes, blooming to the very tip, with colors ranging from white to the deepest crimson, mark the varieties in our list of late novelties:

- Adoration, Orange Queen, Thomas Edison, Sweetheart Masterpiece, and others of equal value.

Hunt's 1929 catalogue presents the finest varieties of bulbs, plants, roses, flower and vegetable seeds. Write today for a copy.

WILLIAM M. HUNT & CO., Inc.
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BUGS need not ruin your beautiful plants, flowers, shrubs and evergreens. Destroy them through the use of Wilson's O.K. Plant Spray — the nationally recognized standard insecticide.

Wilson's O.K. Plant Spray is non-poisonous, easily applied and is equally effective in doors or out-of-doors. Recommended by the Officers of The Garden Club of America. Half-pint 40c; Quart $1.00; Gallon $3.00; 5 Gallons $12.00; 10 Gallons $20.00.

ANDREW WILSON
Dept. 1
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GLORIOUS ROCK GARDENS

Hardy Alpine and Perennial Seeds, from one of the largest and choicest collections in Britain. 2,000 vars., collected from the mountains and plains of the world. List carriage paid; Seeds duty free. Sample collection containing 15 distinct vars., $1.50. 32 vars. $2.50. Also 10 vars. of any of the following—Ten Saxifragas, Aquilegias, Campanulas, Dianthus, Gentians, Hypericums, Liliums, Papaver, Primulas, Rhododendrons, Saxifrages, Veronicae, or Violas. $1.25. Remittance by International Money Order.

REV. J. A. ANDERSON, F. R. H. S.
Glen Hall
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Wishing you a Beautiful Garden.
Add to the beauty of your roses

Errant amateur can have professional blooms by using Fungogenius spray. Acts like magic on roses or other plants afflicted with Mildew and Black Spot. Bigger flowers and more of them when plants are sprayed with Fungogenius. Easy to apply. Invisible. No discoloration of leaves. No need to add soap. Endorsed by leading horticulturists. 1/4 pint makes 12 quarts of spray.
Prepaid: half pint $1, pint $1.50.
Ask dealer or send check.

Fungogenius
For MILDew and BLACK SPot on ROSES

Spring Will Soon Be Here

Then all NATURE will be throbbing with a GLAD NEW LIFE

Without doubt you, too, will be eager to do your part in making this GRAND OLD EARTH more beautiful. May we assist you by furnishing some of our CHOICE QUALITY EVERGREENS?

Our new catalogue will be of great help to you in making your selections.

CHERRY HILL NURSERIES

T. C. Thurlow's Sons, Inc.
West Newbury

Northeast Grown ROSES

OUR geographical location enables us to hold our Roses strictly dormant until May

Ask any authority and they will tell you that Roses rarely do well when moved from a more southerly climate to a northern planting. They should be always taken from where they can be retarded.

Our Roses are hard grown with well ripened wood, which will not die back when set out.

Nowhere Can You Buy Stronger Plants

We will gladly send you our catalog if you mention American Home.

Our catalog is different as we do not pass along the description of the Hybridists as the Roses grow in Europe, but as they grow in our garden, always stating defects as well as merits.

ROBERT EVANS HUGHES
ROSE SPECIALIST
Near Buffalo
Williamsville, N. Y.

Your Soil Needs HYPER-HUMUS

Intensive fertilizers may force growth, but used alone, they “burn out” the soil. For best results, reinforce your fertilizers with Hyper-Humus, “The Soil Essential.” It will hold the moisture through dry, hot weather. Non-acid, thoroughly aerated, free from weed seeds and trash.

At your dealer’s or direct from us

“Soil Improvement” Booklet FREE

HYPER-HUMUS COMPANY
18 Park Place
Newton, N. J.

Your Soil Needs HYPER-HUMUS

IMMEDIATE EFFECT LANDSCAPE WORK

By the use of plant material in the larger sizes, we are able, in one season, to create the effect in your garden, which otherwise would require many years.

May we consult with you regarding your landscape work.

The services of a Professional Landscape Architect furnished where necessary.

AUSTIN D. MORRELL
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Phone 1254J
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HYPER-HUMUS Corrects Soil Texture
“Puts the Top in Top Soil”

Holds Soil Moisture

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B-25 Bowling Slip
New York
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351 Court Street, West Haven, Conn.

The Glen Road Iris Gardens
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Specialize in rare and fine varieties of Bearded Iris
American and European
Send for Catalogue

Rhododendrons
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HIGHEST QUALITY PLANTS
shipped from the Appalachian
Mountains in any quantity. For
specimen and special planting we
nurish Nursery grown stock
from our Stroudsburg Nursery.

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Mississippi River.
LaBars Rhododendron Nursery
1109 Bryant Street Stroudsburg, Penna.
Nursery located near Lackawanna Tr. P.A., route 2, N.E.
route 15. Visitors welcome at any time.

Growing Everlastings for vases
E. BADE

EVERLASTINGS were favorites of "grandmother's" garden and
after decades of neglect, they are slowly coming back to favor.
The Strawflowers, as the best known of these Everlastings are often
called, produce many blossoms even when they receive but little care. The
main factors for their successful cul-
tivation are a sunny location, a light soil, sandy in character and not too
wet. The soil must be fertile yet not be freshly fertilized. The majority of
plants that have everlasting flowers are annuals—that is, they live only
one year and so must be raised from seed each season. The seeds may be
seen in "seed-and-soil" packs at the beginning of May or they may be sown in small boxes
which are to be kept near a window in a greenhouse. Before sowing is performed for
they had better be given plenty of water. All this helps in the formation of many flowers later on and if luxuri-
GANT plant stock. The propagation of annuals is easy and easy to work.
With the seeds ripened, the plants are spaced a little more than a foot apart.
The flowers are produced in the second year. After the seeds have ripened, the
plant dies.
The seed shafts of the Chinese Lantern plant (Physalis) are also ex-
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The Glen Road Iris Gardens
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Growing Everlastings for vases
E. BADE

EVERLASTINGS were favorites of "grandmother's" garden and
after decades of neglect, they are slowly coming back to favor.
The Strawflowers, as the best known of these Everlastings are often
called, produce many blossoms even when they receive but little care. The
main factors for their successful cul-
tivation are a sunny location, a light soil, sandy in character and not too
wet. The soil must be fertile yet not be freshly fertilized. The majority of
plants that have everlasting flowers are annuals—that is, they live only
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Is the beauty of your lawn destroyed by dandelions, plantain, buckhorn, and common weeds? They are beyond the scope of your reel type mower, and digging and other tedious methods have little effect. Prominent gardeners and park superintendents everywhere have worried with the problem and at their suggestion, Jacobsen Manufacturing Company designed

The New Sickle-Bar Clipping Attachment

This new exclusive Jacobsen feature solves the weed problem as nothing else ever did. Most lawn pests are annuals. Keeping them clipped prevents their seeding. The Sickle-Bar Clipping attachment robs its way under the weeds and nips them off and the cutting reel finishes the job lawn height. There is nothing else like it. It is just the tool that gardeners have long waited for and attaches to their favorite power mower—the Jacobsen.

The Clipper operates independently of the regular cutting reel or at the same time. It is made of highest grade material—a typical Jacobsen product.

Jacobsen Manufacturing Company
Dept. D  Racine, Wisconsin
New York Office 507 W. 56th St.

Features of the Jacobsen 4-Acre Power Lawn Mower

This sturdy mower cuts a 24-inch swath at the rate of four acres an hour. A differential makes steering easy. Sickle-Bar clipping attachment will clip weeds, plants, and other obstructions. The knives are sharpened by the mower's own power without removing the reel. Independent clutches control the traction and cutting units. A dependable, specially built Jacobsen Motor furnishes ample power.

For moderately large lawns or lawns with numerous obstructions, the Jacobsen "Junior" 19-inch power mower is a favorite. It is known as "The Quality small power mower."

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Tubers $10.00  Plants $5.00

Send for our 1929 List

It lists many of the world's best Dahlias, including some of the outstanding novelties for 1929. We grow our Dahlias in one of the best locations in America for the production of clean, healthy, even growth. Ask those who have seen our farms.

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New and Rare Forms of OLD FASHIONED FLOWERS

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Ten each of ten new and exclusive varieties, Gladiolus, beautiful colors, each separate.

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In recent years, Cragholm Nurseries has been growing certain varieties of shrubs and perennials that are widely spaced in the rows and the rows so far apart that the result is

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It means better flowers, Trees, Shrubs, Vegetables and Lawn.

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KOLKWITZIA AMABILIS (Beauty Bush). A free growing shrub of extreme hardiness, from 3 to 7 feet tall and as much through. It has graceful arching stems and tubular pink flowers are borne so abundantly that in June the whole bush is in a shower of pure pink. Mr. Wilson, its introducer, considers the Beauty Bush one of the finest exotic shrubs ever brought into American gardens. Pot-grown plants, $2.00 each, postpaid.

LONGICERU COROLKIWI FLORIBUNDA (Bronze Blushed Bush Hollyshrub). A very hardy shrub with erect branches, bronze green foliage, producing showy pink blooms in May so profusely that the effect is of pink floating on thin mists. Strong plants, $2.00 each, postpaid.

SPIRETA TRICOCARPA (Korea Spirea). A hardy, spreading shrub with broadly arching stems covered with snow-white blossoms in June; much later, but more beautiful than the well-known S. Van Houttei. Strong plants, 2 to 3 ft., $1.50 each, postpaid.

SPECIAL OFFER: Collection of 1 plant each of the above three shrubs for only $4.75 postpaid. (Deliveries April and May.)

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in fact the most complete collection of Rock and Alpine Plant material ever grown commercially in this country. Come in early April and you will see Crocuses, Tulips, Narcissus, Eranthis, Galanthus, Muscari and a score of others in full bloom.

Come and see us at the Nurseries or at the New York Flower Show, March 11-16th. Our Booth No. 124 is on the 2nd floor.

MAYFAIR NURSERIES
93 Highland Avenue
Bergenfield, N. J.
Outstanding American Gladiolus

CHAS. E. F. GERSDORFF

MUCH has been written on the Gladiosids of to-day and yesterday. The tendencies, however, have been to boost the novelties rather than to make known those varieties which have withstood the test of time, or which through continued use by our exhibitors seemed to warrant more than passing notice. The Gladiosids Shows for 1928 have brought forth showings of varieties that have long been used, and still maintain their position as delightful cultivars. It is these latter sorts which should be brought to attention.

To that end I submit my bit in brief descriptions of some few of the best of them. These have become standard sorts, dependable alike for the exhibitor and the home gardener for making interesting divisions.

St. Thomas (Kunderd) is a sturdy reliable sort, of a color which proves attractive to many, nearly a burnt orange with dark throat blotches.

Mrs. Frank Pendleton (Kunderd), in light pink and brilliant blottches, one of attractive contrasts, has long been a favorite, and since its type has not as yet been matched in quality, or bettered, it may be expected to remain a favorite for some time to come. Another equally popular and is unusually reliable for a white, is Evelyn Kirtland (Austin).

Longfellow (Decorah Gladiolus Gardens), with its long spike of delicately pink blossoms is a real Beau Brummel among our popular ones.

Produced by a renowned color artist, Mrs. F. C. Peters (Fischer) is a popular one; its color is all that an artist may desire, an orchid lilac with darker blotches.

Old Crimson Glow (Betscher) as it is often referred to, yet not so old, is a strong reliable red, which holds its own with the newest ones.

Dr. F. E. Bennett (Diener) is as full of joy and pep as the gentleman for whom it was named. If you know either you will grasp my meaning. A sturdy and reliable sort in rich orange scarlet coloring.

MAURICE FULL (Gage) is also a consistent prize winner, which should be in all American gardens. It is a beautiful begonia rose in color.

ALBANIA (Kemp), a waxy white is all that can be desired in that color, and is unusually reliable for a white.

GOLDEN SWALLOW (Austin) in soft yellow tones has endeared itself to many. It has not the big flower and spike of some of the others, but more for those who desire more for their home gardens, the list of these sorts is endless. It is one of few whose flowers in flowering Amaryllis like blossoms.

FRENSKYLE (Kunderd) has also proved a successful parent in the production of newer and better sorts. Among them is a rich red, which is Evetyn Kirkland (Austin) with its long spike of delightfully colored flowers.

In ETHELYN (Fischer) we have the American counterpart of that fine German variety Orange Queen, of the same fine orange yellow coloring and form, but blossoming perhaps a week or ten days later.

In rich rosy carmine, Coleman's Supervia is all the name implies. Though I have not presented to you more than a glimpse of the varieties which are such reliable sorts as to prove prize winners at our shows and have long been very generally by amateurs, these few samples should open your eyes to the possibilities in Gladiosids for the American home; these and many more are easily within the reach of all, and but one of these sorts, sold for 50 cents per bulb, though it is my frank belief that it and a few others will reach a lower price level during the season of 1929, most of them to be had at an average price of 20 cents each.

When one can obtain the true stock, Mrs. John S. Wood (Metzner) will prove a fit companion to Mrs. Leon Douglas (Diener) and Mrs. W. H. Phipps (Diener) have proved themselves consistent prize winners, the former in salmon pink rose colored with some red, the latter in nearly pure pink ones; both are glorious in many flowered massive spikes.

When one can obtain the rare stock, Mrs. John S. Wood (Metzner) will prove afit companion to Mrs. Leon Douglas (Diener) and Mrs. W. H. Phipps (Diener) have proved themselves consistent prize winners, the former in salmon pink rose colored with some red, the latter in nearly pure pink ones; both are glorious in many flowered massive spikes.

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The Heatilator is merely a heavy rust-proof metal form around which the fireplace masonry is laid. It is a complete unit up to the flue. No damper need be bought, no smoke box built, no brick laid around the fire-box. It fits into any architectural design, can be used with any type of masonry, comes in a variety of sizes, is the only known means of assuring proper fireplace construction; is fully guaranteed. If any Heatilator-built fireplace should fail to satisfy in every regard, we will willingly refund the purchase price and pay $20 extra to cover removal and return.

Heatilators may now be seen in dealer’s display rooms throughout the country. If your dealer has not yet stocked them, we will gladly send one for inspection at our expense. When you build your fireplaces, do not fail to use the Heatilator. It will add nothing to your total cost and will positively assure satisfaction.

Moreover, you will be sure of double or treble heat—or more. You will not only have the directly radiated heat from the open fire itself, in maximum volume, but the indirect heat which in ordinary fireplaces goes to waste up the chimney or into masonry. The Heatilator surrounds the firebox with a double wall having cold air intakes and warm air outlets through which this surplus heat goes out into the room. The heat thus saved equals that of a spacious furnace register. In early fall and late spring, without a furnace fire, warmth will come from the fireplace in sufficient volume to assure comfort for all.

The Heatilator is a heavy rust-proof metal form around which the fireplace masonry is laid. It is a complete unit up to the flue. No damper need be bought, no smoke box built, no brick laid around the fire-box. It fits into any architectural design, can be used with any type of masonry, comes in a variety of sizes, is the only known means of assuring proper fireplace construction; is fully guaranteed. If any Heatilator-built fireplace should fail to satisfy in every regard, we will gladly refund the purchase price and pay $20 extra to cover removal and return.

Heatilators may now be seen in dealer’s display rooms throughout the country. If your dealer has not yet stocked them, we will gladly send one for inspection at our expense. When you build your fireplaces, do not fail to use the Heatilator. It will add nothing to your total cost and will positively assure satisfaction. If you should wish to sell, it will help, because people look upon the Heatilator as a guarantee of value. No fireplace is modern without one.

Mail coupon for full particulars.

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Service can be fitted exactly to your personal tastes... it will add tremendously to living comfort and appearance

If you are building or remodeling your home this spring, be sure to include telephone convenience in your plans. Telephones all through the house, for ease in placing and answering calls... sufficient telephone outlets to give flexibility of service... wiring and some of the apparatus built in... these and other features of modern telephone convenience will contribute greatly to the living comfort and smartness of your home.

Telephone convenience can be "custom built" to your individual tastes and requirements. It can be fitted exactly to every household.

The living room, for instance, suggests itself as a desirable location for a telephone in most households. So, too, do the library, sun porch, kitchen, reception hall and bed chambers. A telephone in the guest room is a nice compliment to your guest. When the basement is utilized as a recreation room or amateur workshop, a telephone adds immeasurably to its comfort. And the servants' quarters should, of course, be equipped so that all calls can be answered promptly.

Two or more telephone lines are desired by many families, for the added assurance this gives that at least one line will be available for incoming and outgoing calls.

And besides the general service arrangements, some people want additional equipment for special purposes. Push buttons and switches for intercommunication among the house telephones. Special bells and other signaling devices for particular uses. Portable telephones which can be plugged in where desired. Switches to cut off bells temporarily. Other switches for disconnecting the servants' telephone temporarily.

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Beauty and comfort can both be wired into your room

CAN you place the furniture in your living room just where you want it—and have lamps to light the large chairs and the couch? Can you give your decorative ideas full play—or are you hampered by insufficient convenience outlets? Only by having plenty of outlets, correctly placed, can you achieve real beauty of arrangement—and the very greatest comfort.

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FLOORINGS in keeping with the vogue of colorful furnishings...patterns so rich and lovely that you'll marvel at their smartness...want them for every room in the home! The chic up-to-dateness of Sealex Linoleums is of itself enough to win your lasting admiration. But—these linoleums are stain-proof and spot-proof, too! They laugh at dust and dirt.

For Sealex Linoleums are manufactured by a revolutionary new method, known as the Sealex Process, which tightly seals the tiny pores of the material against dirt and spilled things. Everyday household accidents never mar the velvety richness of the beautiful colorings.

Remember the name Sealex when you are buying your linoleum. There is a type for every interior—home, shop or public building. All Sealex Linoleums whether richly patterned Inlaid, Embossed, two-toned Jaspe, Romanesque, Plain or Battleship can be readily identified by the Sealex Shield which appears every few yards on the face of the goods.


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Enjoy this element of beautiful color in your floors—and secure, in addition, the many other unique advantages which Northern Hard Maple offers. Our book, "The new Color Enchantment in Hard Maple Floors," shows page after page of the newest colorful interiors. May we send you a complimentary copy? Just write us.

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This group of decorative wall coverings, belonging to the Sanitas family, is so distinctive in texture and color tones that it is impossible to show the real beauty of the fabrics even in color printing.

They have a rich, lustrous, satin finish, the delicate embossing reflecting lights and shadows in a most pleasing manner. While they remind one of expensive, imported brocades, please remember that after all they are just as practical as other wall fabrics in the Sanitas line.

Metalline Brocades are ideally suited for wall panels in rooms where rich effects are desired, at a fairly moderate cost.

These fabrics, like other Sanitas styles, will not crack, tear or peel, and they are cleanable.

Your decorator will gladly show you Metalline Brocades as well as Sanitas styles for every room in the house.

If your decorator cannot show you the Sanitas Sample Book containing the complete line, write us.

Write us for samples and descriptive booklet

The Standard Textile Products Co.
320 Broadway Dept. 30 New York

When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier

Ask your decorator to show you this new Sanitas Sample Book
A beautiful roof with unusual protection

For use over old roofs * For new buildings

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

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

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

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

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

The Barber Asphalt Company
Philadelphia

New York
Pittsburgh
St. Louis
Kansas City
Chicago
San Francisco

The front views of the Genasco Latite Shingles show the attractive non-fading colors. The back view shows the patented "key"—invisible on the completed roof—that locks each shingle tightly to those underneath, and makes Genasco Latite particularly adapted for laying over worn-out shingles. The turned-under corner makes a double-thick butt that adds distinction to the completed roof.

Trinidad Lake Asphalt. Only Genasco Shingles are waterproofed with this material, and its weather-resisting qualities seal the saturant in the shingles and prevent them from drying out.

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

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The Barber Asphalt Company, Philadelphia

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Trinidad Lake Asphalt. Only Genasco Shingles are waterproofed with this material, and its weather-resisting qualities seal the saturant in the shingles and prevent them from drying out.
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of the Potter’s Art

MARBLEIZED CHINA—the newest creation in plumbing fixtures—introduces a charm and distinction in bathroom treatment of which the eye will never tire.

In the natural colorings and delicate veinings of Bottichino and other marbles, matched with rare skill and enriched with the gleaming lustre of genuine Te-pe-co Vitreous China and Porcelain, it harmonizes admirably with whatever treatment of walls and floor you may prefer. To the beauty of marble is now combined the unequalled sanitary and enduring qualities of china. All Te-pe-co products carry the same trade mark guarantee of quality and durability that has made our ware, in tints and white, preferred by those who wish to be assured of better fixtures.

A copy of “Bathrooms of Character”, Edition V-1, together with color chart showing the various tints and graining of Te-pe-co ware, will be forwarded upon receipt of 10c in postage.

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We, of The Trenton Potteries Company, make but one grade of ware—the best that we can produce—and sell it at reasonable prices. We sell no seconds or culls. Our ware is guaranteed to be equal in quality and durability to any sanitary ware made in the world.

The Te-pe-co Trade Mark is found on all goods manufactured by this company and is your guarantee that you have received what you paid for.

The Trenton Potteries Company
TRENTON, NEW JERSEY, U. S. A.

National Showroom—New York City Branch Offices: 101 Park Ave., Entrance on 41st St. Boston, Philadelphia, Chicago
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As you rest in deep comfort in this pleasing living-room of Mr. H. W. Prentis, Jr., you are conscious of the fine, old-fashioned charm of the Georgian period. Combined with this spirit of yesterday are many modern ideas you cannot so quickly sense. Walls, for example, are all insulated with Armstrong's Corkboard. Underfloors are concrete over steel beams, completely fireproof. And right at your feet is the most modern note of all—a quiet, springy, colorful floor of Armstrong's Handmade Marble Inlaid Linoleum, Design No. 89, laid with a two-toned border.

This Pennsylvania home depicts the Gracious Georgian Manner

Residence of Mr. Henning W. Prentis, Jr., Lancaster, Pa.
Frederick Houston, Architect, New York

Near the Lincoln Highway in Lancaster County, Pennsylvania, is this fine example of Georgian architecture.

Stately in line and spacious, its white-painted brick exterior bespeaks Colonial days, gracious living, comfort. Yet with all its atmosphere of old-time charm, this pleasingly designed home represents the very last word in modern-day construction.

Particularly is this evident the moment you step into the welcoming foyer. The floor you walk on is not hard, unyielding, noisy. Rather it rests your footsteps, quiets them, conveys a sense of unexpected comfort.

You note, too, that this floor looks quite unlike the floors in the average home. It has a soft shimmer. It is unbroken by cracks, by seams. It simulates all the elegance of old French floors, its colors inlaid and hand-polished to a rich eggshell gloss.

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Armstrong's Linoleum Floors
for every room in the house

Plain - Inlaid - Embossed - Jaspé - Printed and Armstrong's Quaker Rugs
RCA RADIOLA 62—Cabinet model of the new RCA Super-Heterodyne. RCA Electro-Dynamic Speaker. Beautiful cabinet of walnut veneer with maple inlays, and ingeniously arranged doors. $375 (less Radiotrons)

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RCA ELECTRO-DYNAMIC SPEAKER 106—The incomparable reproducing instrument of the type used in the new cabinet Radiolas. Operates from A.C. house current.

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

Buy with confidence where you see this sign.

RADIO CORPORATION OF AMERICA
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Use tiles and you can forget your roof forever
They never need repairs or replacement, and their color is imperishable

To select IMPERIAL Roofing Tiles is to be assured of a fireproof roof that you can forget forever. Only its unfading beauty will remind you of its existence. Consider these advantages and you will agree that, despite their slightly higher first cost, tiles are the most economical roofing material you can choose.

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

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Money filters through the uninsulated roof.
Pile on more fuel—run the furnace full tilt. You can't heat all out-doors, so the thing to do is to—
—line the attic with INSULITE and reduce heating costs.

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

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

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

THE INSULITE COMPANY
1208 Builders Exchange Department No. 7
MINNEAPOLIS, MINN.
WHEN the proud owner of a General Electric Refrigerator takes her friends in to see it, the first comment is apt to be "Why it's so quiet—you can barely hear it."

The thing which seems to impress everyone is the extreme quietness with which these refrigerators operate. Their unique construction has indeed established a new standard for quiet operation.

This design, however, accomplishes something even more important. It makes possible the top-unit arrangement—a distinctive feature found only in the General Electric Refrigerator. Placing the unit on top makes it possible to enclose all the machinery—together with a permanent supply of metal protecting oil—in a hermetically sealed steel casing. There the hidden machinery, always oiled, remains safe from dust and difficulties. No one can tinker with it—no one needs to.

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For further details, just drop us a card asking for Booklet Q-3.
**Nature Never Made A Lovelier Gypsophila**

Large sprays of pure white, rosette-shaped flowers, much larger than the old form of Baby's-breath, come in late June, and continue to come until frost. Charming when used with delphiniums, gaillardias, and other flowers.

Extra good 1-year field-grown plants, 50 cts. each, $5 a dozen.
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Four new hardy Chrysanthemums, a trio of new Pinks, and a strain of new Day Lilies, are presented in our 1929 catalogue which is now ready for mailing. Send for a copy.

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Box G Bristol, Connecticut

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*Improved French Lilacs*

Our stock of French Lilacs is one of the largest and finest in the country. We have 27 of the most beautiful, imported French Creations, all on their own roots, which insures hardy and prolific blooming lilacs. These Lilacs may be planted in either the spring or fall with excellent results.

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Flower lovers throughout the land always think of Brand Peonies and Irises as the most beautiful of all flowers. Our Peony and Iris Collections comprise all the new and original Brand Creations as well as the most popular favorites. Our new Peony Manual which gives the history of all Peonies is given free with an order for peonies amounting to $5.00 or over. Our catalog is sent free on request.

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**A NEW TYPE OF MOTOR MOWER BY COLDWELL**

You can bank on the Coldwell “L Twin” Motor Lawn Mower and Roller to deliver years of dependable, trouble-free service under all conditions of usage. Moderate in price.

There’s a size and style of Coldwell Power Lawn Mower and Roller at the price you want to pay. Your dealer will demonstrate. Write for facts on descriptive literature.

**HAND ELECTRIC**

**HORSE GASOLINE**

**COLDWELL DEPENDABLE LAWN MOWERS**

Coldwell Lawn Mower Company, Newburgh, N. Y., U. S. A.

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**A Gentle Shower at Your Finger Tips**

A GENTLE shower for your growing things is yours any time you want it when you have a Double Rotary Sprinkler. Just a turn of a valve puts this efficient sprinkler into instant action. Your shrubs, flowers, garden and lawn are given refreshed beauty whenever needed. Sprinkles over a circle of 5,000 square feet. Will not pack or wash soil.

Don’t let dry weather spoil your garden or lawn this year. Solve your sprinkling problem right—and for years to come with a Double Rotary. Sturdily built of best materials. Bronze and steel gears run in bath of oil. Has easily adjustable nozzle and skid base. Standardized parts. Nothing to get out of order.

TRY 10 DAYS. If not absolutely satisfied, your money will be refunded. Price $12.50 postpaid. Illustrated literature on request.

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This exquisitely illustrated book in natural colors offers these famous Dingee rose plants, a magnificent assortment of new and old varieties; also shrubs, bulbs and seeds. The book tells in simple language how to grow roses and other plants. Free on request. We have been selling Dingee roses since 1850. This beautiful book gives us our 78 years’ experience for the special benefit of the beginner. If you never raised roses, start now and know new pleasures. Edition limited. Send today, THE DINGEE & CONARD CO., Box 311, West Grove, Pa.

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BETTER SEEDS make BETTER FLOWERS which make MUCH BETTER GARDENS

Here are just a few of the new flowers for 1929 that will add new pleasures in your garden this year.

LARKSPUR, Improved Exquisite. (see cut) Amore erect compact branching type of a delightful rose-pink. Pkt. .......... 30c

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Rock’s Seeds

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Produced by one of California’s best known originators and growers of these beautiful flowers. Make your selections now for your garden. Our illustrated catalog lists the best standard varieties and many splendid new creations. It also includes cultural directions. Mailed free on request.

CARL SALBACH

Originator and grower

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**HILLCREST SUPER DAHLIAS**

We offer for 1929 the following giant, field grown, stunt free dahlias, which represent the cream of the dahlia world.

These tubers guaranteed true to name. Prepared by

**Collection A**
Amber Pink; Beautie Rayver, Dec. Pick and White; Harry Meyer, Dec.; Lavender-pink.

Bought separately elsewhere would cost $2.50. Our price $7.50.

**HILLCREST ROSES**
R. Mikie, Prop. Box 128 Progress, Penn.

**ROSES DAHLIAS PEONIES IRIS**

**THE MILBRADT POWER LAWN MOWER**

Operates so easily and cuts so smoothly that it is a pleasure to keep your lawn looking like velvet. Two sizes—20" and 27" wide. Can be used to trim around trees, shrubbery and flower beds. Cuts close to hedges and fences.

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*From Puget Sound Country* cannot be beat*

22 years experience growing the best New American and Imported Dahlias. Reliable tubers sent out in live "eyes" true to name. Our 1929 introduction "WESTERN GIANT" largest we have ever grown. State inspected and Licensed Gardens. Prices reasonable.

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LEE'S DAHLIA GARDENS

200 Bulblets 25¢. 1000-75c. Choice varieties

**KENDALL SUPER DAHLIAS**

We offer for 1929 a new list of varieties which we believe are some of the finest grown in the Northwest. These tubers are not only true to name, but in every instance, superior to any we have grown previously.

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54 x 18 x 2" deep, $1.00. (Postage paid for all orders over $5.00.) 25c each for less than $5.00.

**HARVEY'S DAHLIA SUPER-SEEDS**

Our 1929 list of delightful new and favorite dahlias, all the brands. A postcard brings your copy to us by return mail.

**L. P. White**

White's Gardens, Incorporated

EATONTOWN (Box G), N. J.
FOR THE SUNNY ROCK GARDEN

Here is a selection of 20 good varieties of plants suitable for a small Rock Garden, all will give a charming effect and are not too difficult for the inexperienced Rock Garden enthusiast:

- Arabis alpina
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- Alyssum saxatile
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- Atriplex canina
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- Atriplex glutinosa
- Atriplex hortensis
- Atriplex patula
- Atriplex portulacoides
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- Atriplex cana
- Atriplexundulata

We will send you 3 each of these 20 varieties each variety plainly labeled for only $1.50, or 1 of each variety for $4.00.

Baraboo - - - - Wisconsin

The World’s Best Glads!

Free catalogue describing the champions of the big shows, and popular favorites, giving their ratings, blooming dates, names of originators, cultural directions and suggestions on arrangement. Trial order: 25 large bulbs in blended shades of any one color, or mixed colors, for $1.50; 100 bulbs for $5.00. Medium sized blooming bulbs for $3.00 per 100. All prepaid.

Elmwood Terrace Gardens
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5 Packs Easy to Grow. Bloom 10¢ each
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Order today. Send the little flowers you are planning and receive your seeds immediately. Elegant box sent free with each order. Money refunded if not satisfied.

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Best in the Country. Reared on free range. Live arrival guaranteed. Tested breeders, magnificent young stock. $11.50 per pair, $6.75 per trio. $3.30 per pen of 3 hens and 1 cock. $2.50 each in lots of 100. Ready to ship at once. 25% deposit reserves your birds.

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BOLENS Tractors for Small Farms and Gardens

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BOLENS tractors are built in two sizes—model DJ for Charlotte M. Haines Pencing the gardener, florist, truck grower and others who require a light weight tractor for close and accurate work. Stronger and heavier and more powerful, two speed with gear shift for light plowing, deep cultivating, field mowing and other work on suburban farms and estates.

BOLENS tractors have fundamental advantages not found on other makes. Patented arched axle for clearance and visibility; simple automatic tool carrier; extremely accurate work, one hand double clutch drive, power turn, offset hoppers and other vital features.

Write for free catalog, time payment plan.

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Give it an enchanting setting by having it peep out from a screen of evergreens. Don't delay—the years go quickly. Make your planting this season and let Nature be doing her perfect work in making the home more beautiful and valuable each and every year.

Hill’s Evergreens give the magic touch. We have made the growing of evergreens a specialty for seventy-three years. Nothing but evergreens can be yours easily.

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Give your home this ever-increasing beauty

\[ \text{The Dayton Curved Eave Greenhouse is the finest money can buy. The Dayton Straight Eave Co. unit is the ideal low cost greenhouse.} \]

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Are Ideal for Home Decoration

You will be delighted to grow the varieties that are offered in my new book. Many are recent introductions of both American and European origin that have proved to be prize-winners in the flower shows. These will add new forms and new colorings to your collection and thus enhance the charm of your garden.

In my new book, "SUPERIOR QUALITY GLADIOLUS OF SELECT VARIETIES" are listed 146 varieties, reasonably priced. This book is illustrated, gives complete directions, and contains full cultural directions.

SEND FOR A COPY—IT IS FREE!

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RHODES Double Cut Pruning Shear

The only pruner that cuts from both sides and does not bruise the bark. Forged from solid tool steel. Durable. All styles and sizes. Delivered free to your door. Send for illustrated circular and prices.

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337 S. Division Ave.
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Iris - Perennials

Rock Plants - Peonies

100 Selected Bearded Iris
180 Varieties Perennials
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Dwarf, Japanese Siberian Iris

We ship only such plants as we would expect to receive.

1929 Catalog Now Ready

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MEN and women of the early 80's, no less than those of today, were justified in their faith in Listerine as a first aid in checking sore throat and other simple infections.

For Listerine, then as now, was a safe antiseptic yet an extremely powerful one. It has never been necessary to change the Listerine formula to meet new and difficult requirements imposed by modern discoveries in therapy.

Repeated tests in laboratories of national repute, show full strength Listerine to be so powerful that it kills even the virulent B. Typhosus (typhoid) and M. Aureus (pus) germs in 15 seconds. These germs are used by the U. S. Government to test the power of antiseptics.

Recognizing Listerine's germicidal action you can understand why it is effective against winter ailments. The moment it enters the mouth it attacks bacteria that lodge there, causing sore throat, colds, grippe, and influenza.

For your own protection, gargle with Listerine full strength night and morning during bad weather—and between times after exposure to crowds, bad air or sudden changes of temperature. By so doing you may spare yourself a painful, costly and even dangerous siege of illness. Don't hesitate to use it full strength. It is safe in action—healing in effect. Lambert Pharmacal Company, St. Louis, Mo., U. S. A.

Escape colds this way

Millions of colds start when germs, transferred from the hands to food, enter the mouth. Therefore, before every meal, rinse your hands with Listerine. This effectually destroys disease germs. They are killed before they can enter the body. This simple act may save you a nasty siege with a cold. And it is especially important for mothers to remember.

"GREAT!" men say. They're enthusiastic about Listerine Shaving Cream. You will be also when you try it. So cool! So soothing!
Perhaps Your Home has an Undiscovered Room

There is unsuspected joy and rest and healthful outdoor living, waiting right at your threshold. All that you need to transform an open lawn or yard into a sheltered “outdoor room” is a rustic enclosure of Dubois Woven Wood Fence. Its gracious protection is an indispensable part of Continental life in town or country, and it has now brought its gift of seclusion to America.

Your summer day breakfast, afternoon tea or supper may now be enjoyed amid the cool fragrance of a tranquil garden, even though the world may be throbbing but a few feet away.

And what peace of mind to read, sew or cultivate your garden, knowing that the children are safely shielded from motor cars and questionable passers-by!

There is only one Dubois fence; you are cautioned against imitations. It is made in France, of live, split chestnut saplings, woven closely together with rust-proof Copperweld wire. It comes in five foot sections, ready to erect and in three heights: 6’-6”, 4’11” and 3’10”

Dubois is effective and economical for a multitude of uses; on estates, in suburban communities and for city yards and roof gardens—wherever an artistic barrier or screen is needed.

Write for free Dubois catalog, with photographs of many actual installations and prices. Robert C. Reeves Co., Sole Importers, 101 Park Avenue, New York. (Formerly at 187 Water Street)
Your Vegetable Garden

Six of the FINEST VEGETABLES
All first introduced by Burpee

393 Fordhook Famous Cucumber
Pkt. 10c; oz. 25c.

223 Oathart Carrot
Pkt. 10c; oz. 20c.

693 Australian Brown Onion
Pkt. 10c; oz. 25c.

121 Burpee’s Black Red Ball Beet
Pkt. 10c; oz. 25c.

528 Burpee’s Brittle-Ice Lettuce
Pkt. 10c; oz. 25c.

“Burpee’s Seeds Grow”

The vegetables from your garden this year will be better if you plant the very finest quality seeds of the best varieties.

On this page are illustrated six vegetables, each of them the best of its class. Naturally, we are proud of these, for they were all first named and introduced by Burpee.

Because they are so good, we want you to grow them in your garden and you will then realize that Burpee’s Seeds have a superior value and are sold at no extra cost.

W. Atlee Burpee Co., 207 Burpee Buildings, Philadelphia

Because we do the largest mail order seed business in the world, we are able to grow our own seeds from re-selected stocks, and distribute them to the public at the lowest possible prices.

We will mail one full size packet each of all six of the superfine vegetables pictured on this page, to any address in America, for only . . . 25c

Order Collection No. 7040

This is an advertising offer to convince you that Burpee’s Seeds are the best that grow.

“The Burpee” Sweet Corn

Rich and sweet. Larger and earlier than the famous Burpee Golden Bantam. A big attractive ear, 7 inches long and 1½ inches thick—a good size for eating from the cob—full of toothsome sweetness and nutrition, with the same buttery flavor that has given world-fame to Burpee’s Golden Bantam.

And to think that “The Burpee” matures ten days ahead of Golden Bantam! 5 to 5½ feet tall, bearing an abundance of handsome, luscious ears.

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