Here are the Bulbs—Where to Obtain the Finest

The great Holland bulb growers are ready Now to make important price concessions for jimmie-dance orders. Add your order to our own large import orders and we can get for you not only the advantage of bed rock prices for highest quality (prices far below those that will obtain next Fall) but we can have your orders packed for you, in Holland, saving you extra packing cost, reducing freight, handling, and import charges to a minimum and guarantee you the pick of the new crop.—The biggest and finest bulbs grown in Holland.

A word to the wise: Our representatives in Holland inform us of a shortage in the tulip crop and inevitably prices will rise considerably as the season advances. Early buying is of greater importance to you this year than ever.

Don't Miss This Extraordinary Offer!

100 DARWIN $3.00 TULIPS

Choice, first size bulbs, sure to bloom. Schling's Special Mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold. A $6.00 value for only $3.00.

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Gentlemen—Please enter my order for bulbs checked on enclosed list for which I agree to pay at these special import prices when order arrives about September 30, 1929.

I am deducting 5% cash discount and enclosing full payment in advance.

Please send me your special "Import List" of Bulbs.

Name

Address

REGAL LILIES

For July Gardens—at Half Their Real Value

Regal lilies follow the Madonna line in their blooming period. From June to late August like flowers will bloom, and Madame being full, rich, and gloriously white, are being, on account of their great beauty, the most popular variety of all. They are very hardy and are the most "footproof" of all lilies provided they are planted in a sunny spot.

These lilies are a permanent investment. Each year the bulbs will grow larger and increase in number giving you recurring pleasure from season to season. These bulbs will normally retail at $75.00 and higher. By a fortunate arrangement with one of the largest growers anxious for early orders, we are able to offer these magnificent bulbs to you now at these truly remarkable prices—if you order now—Bulbs, 5 to 6 inches in circumference, sure to produce 5 to 6 blooms the first season—an extra-ordinary bargain at these prices:

12 bulbs for $6.00 (regularly $12.00)
25 bulbs for $10.00 (regularly $22.00)
50 bulbs for $18.00 (regularly $40.00)
100 bulbs for $35.00 (regularly $75.00)
You who are about to construct an English type garden may receive inspiration from this essentially English planting, a prize winner in the London Daily Telegraph Garden Competition.

THE AMERICAN HOME

Our New Home Building Service

To meet the growing demand on the part of home owners, builders, and buyers for authentic house design and equipment, last October we sent an architect, Mr. Paul Windom of New York City, abroad to secure this material. He will visit England, France, Spain, Italy, and Sweden, photographing the livable cottage type of house in each country. Based on these photographs he will design an American home true to each of these precedents. Mr. Windom will study the furnishings, hardware, roofs, windows and construction details of these well-liked types of houses and will provide pen-and-ink sketches of all this.

Not only will these be shown in The American Home, but in every case we are matching up each of these details in American materials, these to be published in the magazine so that our readers not only will have all the original authentic details, but also will be told where and how these may be purchased or duplicated here at home.

In this way the man building, owning, or buying a little Cotswold, or French, Mediterranean, or Swedish, type of house will be shown just what this particular style of house should be if it really is to follow time-honored traditions.

To supplement this unusual service, experienced decorators will tell how to furnish each of these houses, what curtains to use, what floor coverings, kinds of chairs and table linens, and what kind of furniture to use to make each house a little Cotswold, or French, Mediterranean, or Swedish, type of house.

If any architect failed to see the announcement in our April issue of the unusual architectural competition, write at once for details to The Home Owners Institute, Inc., New York City.
This... New Chintz by Rockwell Kent

"THE BRIDGE OF SAN LUIS REY"
Captures the Spacious Vistas of the Andes

Windblown trees on rocky ledges—laden burros—sturdy peasants—the serrate line of the Andes—make this one of the most original and decorative cretonnes ever created!

In this, his first chintz design, Rockwell Kent, who illustrated the new de luxe edition of "The Bridge of San Luis Rey" (which will be bound in this same chintz), has caught the very feeling of the primitive Peruvian scene. Use it against the rough plaster walls of a Spanish interior and you will find it particularly effective.

It also makes distinctive screens, waste baskets, dress, suit and shoe boxes, and similar fittings—coming in either glazed or plain finish, on grounds of pale terra cotta, mountain green, sunset gold, desert sand, agate grey, or black—all equally striking.

Ask to see Waverly Fabrics in the drapery departments of dry goods, furniture and department stores. They are as unusual in quality as in design, and exceptionally durable—yet they cost but fifty cents to a dollar and a half a yard.

Waverly Fabrics

A SCHUMACHER UNIT

Send 10¢ for samples of this and other new designs. Address Waverly Fabrics, Dept. 50—60 West 40th Street, New York City.
Bringing the Grace of Georgian Furniture into the American Home

For that bare wall space... this gracious Queen Anne Secretary reproduced from a famous museum antique... that brings the utility of bookcase and desk from the practical value of the old to the decorative utility of today... we use the shelves for art objects, too.

Like many Kittinger reproductions, this lovely secretary is developed throughout in solid American Walnut... the drawer fronts, with their fine brass mounts, are of richly figured burl Walnut... finished in a hand-antiqued waterproof lacquer with a mellowness that reflects the glory of Georgian days. The companion chair is also of Queen Anne style, colorfully upholstered in small-figured tapestry.

The craftsmanship and material standards of the Old Master artisans characterize Kittinger Distinctive Furniture, even thru final details of finish and upholstery... there are over five hundred occasional pieces and suites... in solid Cabinetwoods, principally American Walnut, Honduras Mahogany and Oak, with a few in Early American Maple.

If you are an admirer of Georgian and Early American Furniture, you will be interested in the new Kittinger folder illustrating many such charming reproductions. Let us send you a copy with names of Kittinger dealers in your vicinity. Kittinger Company, Dept. 24, North Elmwood Avenue, Buffalo, N.Y.
PEACE AND COUNTRY SECLUSION

A charming wooded walk close to a sparkling little stream at the home of Mrs. Henry Rea, Sewickley, Pa. Here in May, a wealth of the delicate little spring wild flowers and ferns.
The garden living room

Try furnishing your garden for peace and rest and pleasant outdoor living

THERE are evidences on every hand of a new era in home gardens. Europe discovered the out-of-doors centuries ago. In the last decade we have awakened to it. Arbors, trellises, bird baths, lily pools, covered garden seats, wicker chairs and hourglass tables, these things are pointing a moral to us all. And we as a nation are coming more and more to realize the peace and beauty of outdoor living rooms.

There is no appreciable expense required in furnishing an out-of-doors living room. We may have it in the form of a flagstone terrace at our kitchen door, with an awning stretched over it—if not an awning then a grape arbor. We may have it under an old apple tree, the branches bent down with weights to give us just the right amount of privacy. Or we may choose the lawn just around an elm tree. Again we may group it around the shelter-seat at the far end of the garden path, it is not so much where we have it as that we have it.

Out-of-doors living room schemes are best grouped around some one substantial object as a focus of interest or a point of balance. Just as we arrange the various units in the living room in some relation to a fireplace or mantel, we need to tie them in design to a certain main object out-of-doors. This effect could not be obtained in an open field. There must be more of an anchorage.

At the beginning one must find shade from the blaze of the sun and the brightness of the sky, must find it or make it. Just as chickens seek the shade of a tree on a warm summer day, so humans gravitate to partially shaded nooks to rest and contemplate. They should find places to sit down at such points of vantage.

Trees, walls, large shrubs, high fences, these all offer shade. Lacking these in the desired locations we may produce our own shade. Awnings of canvas or wood, painted in stripes, huge beach umbrellas planted in the center of an open grass plot, even a little summer house, a grape arbor, a pavilion or pagoda may provide the essential shade. Such pavilions may be constructed of rough cedar posts, or enclosed by its rough stone walls, vine covered, and with a glass protection on one side, this delightful arbor makes a charming outdoor room.

H. ROSSITER SNYDER
plain planks or slabs with the bark left on. Roofs may be shingled or thatched with straw. Endless variations are suggested once we think about it. But assuming that we have some shade, as most gardens do, how extensive need our furniture investment be? Almost nothing at all but thoughtfulness. Even plain kitchen chairs when lacquered by home talent may be made things of beauty for a garden. Nature herself is here so ornate with curves and veils and drooping branches that we would not wish to compete with over-ornate furniture. Again, the tables for the garden may be made at home in the simplest lines imaginable. Any of the weather-resisting woods may be chosen for the work. Rough, unfinished tables may be allowed to weather to the gray-blue tones of a lichen-covered stone wall, bringing added beauty to our garden room.

Tables and chairs are the essentials. Stone or concrete benches may be added if our budget allows, but these approach the class of formal ornamentation, too hard and cold to sit upon. The man of the house would quickly wander back indoors if these are all he found in the out-of-doors living room. But if you lead him to a steamer chair with an hourglass table beside it, a magazine or two upon it, and another chair nearby where you or a neighbor may sit and chat, that is different! He scarcely wishes to stir himself even when dinner is announced. Wicker chairs, gayly colored kitchen chairs, steamer chairs, wooden benches and settees of all descriptions, stools, the Down-East hickory chairs, all these are good in a garden. It is often less expensive to buy and assign a few chairs to weathering in the garden than to build them of plank at home. In the first case the results are immediate. In the latter, the work is postponed and we may lose a year or two of garden life. Tables for a garden are anything that is a table. The heavier the construction, of course, the better. The oftener painted the longer they last. Tables and chairs should be in close proximity, convenient to rest an arm on, to lay a pipe, book, or tea cup on, when we have learned the joy of an occasional small party out-of-doors. And who knows that we shall not think of having breakfast or dinner there on some inspiring day!

Swings or hammocks under a vine-covered arbor or a gnarled old tree are enticements not to be overlooked. Lacking the tree or arbor in a back city lot, we may be just as content with an awning-covered swing-hammock. A circular seat built around the trunk of a tree, whether or not it is comfortable to sit upon, always is good to look at. It suggests out-of-doors hospitality just as a fireplace in a living room offers the indoor invitation to stay a while.

In the making of garden chairs or benches at home I have found it possible to combine solid comfort with good looks. Before nailing the planks to a garden seat, or securing the back-boards to the frame, it is a very good plan to combine solid comfort with good looks. Before nailing the planks to a garden seat, or securing the back-boards to the frame, it is a very good plan to make "trial sittings" to discover the angles of comfort. If the seat does not have sufficient slope to the rear, it is very easy to wedge up the front edge a little higher. If the back is too straight and thrusts one forward, a draw-knife will cut back the frame to give more slope. It is just as well to make them of such shape and slant that guests to the garden living room shall heave a sigh as they settle into the seat and exclaim, "How comfortable!" Why do they exclaim? Must be that they too have had (continued on page 208)
A lodge in some vast wilderness

The way to build a real log cabin, with intimate glimpses into the famous novelist's own camp

I WONDER why we have so few log houses. By and large, it takes a good many trees to provide the boards for a modern wooden house. But the log house can be built of logs rejected by the saw mills, for the huge timbers of the pioneers are not necessary. It is quick building, once the logs are accumulated. It requires no stairs, no elaborate carpentry. The more it sprawls over the countryside the better for it. It should be long, low. Only one step out of any room and you are on the ground.

Do you remember how the early settlers built? The logs were ready, the site selected. For days the women prepared, baked meats, made pies, killed fowls. Then the neighbors came and there was a raising. The men worked, the women cooked. By evening the thing was done; barn or house, there it was, and there it still is in many cases.

The real log house lover wants his logs to show. Not for him the composition board lining, or plaster, or any such weak compromises. True, he wants his logs stripped of bark, or in time he will have them shedding like dogs in spring. He may shellac them, inside the house, or he may paint them with boiled oil, and this has certain advantages. Even a faint varnish will reflect the lights of lamps at night and of those open fires which are the glory of all log structures. And he may line his ceiling. This has a number of advantages. If the lining is pale in color it helps to brighten the room; if the roof leaks it at least directs the water to certain spots in the roof which one discovers in time (although no one need have a leaking roof now, or even a fire from a chance spark, what with asbestos shingles and all sorts of patent roofings). It provides an air chamber, no small matter in hot weather, and it has another quality not often considered.

In our case at least it has provided, above, a refuge for all sorts of small wild creatures. We hear them there at all hours, busy about domestic affairs; the scurrying of chipmunks and field mice, the rattle as a squirrel drops a nut, and the dropping of some miscellaneous article stolen by a trade rat, usually buttons, but sometimes sugar. Even, (for there are modes of access,) now and then the soft slithering of what sounds suspiciously like a snake. Sometimes when we are very quiet we even see them. At the angle between the log walls and the ceiling are divers small openings and a tiny head with two beady eyes will often appear at one of them.

The log house, then, should be frankly of logs, inside and out. All but its doors and window frames. I know one enthusiast who has made his doors of slabs, inside and out, with the result that each one is as heavy as the door of a safe...
deposit vault and as thick as that of a butcher's refrigerator. Enthusiasm may go too far. Make your bookshelves of log slabs, your mantel if you have no stone, but let the local sash and door factory do the rest.

Of course, there must be porches. The log house, indeed, is only the core of the log house. There should be porches everywhere, with swings and chairs and, if possible, porch boxes. The one objection to unpainted wood structures is that they are colorless. Gaily painted porch boxes filled with flowers in strong colors, gay porch furniture, gay rugs, answer this problem in the summer. And in the winter who cares? At least the porches keep the mud out of the house, and inside there are the open fires, the cheerful furnishings, the books and lamps and easy chairs.

My own experience in log houses has been limited to one cabin. But for many years I have been a close observer of them. They range from the lodge in the Adirondacks to the practical log homes on some of the Western ranches, and to the log cabins for guests on dude ranches. There is, then, a certain uniformity in them. The rooms are—rooms; the fireplaces and mantels of field stone if possible. While the early log cabins went very short on windows, to-day windows are provided more abundantly. For log surfaces absorb much light, and their one weakness is a tendency toward darkness.

The fireplaces should be crude, but carefully crude. The chimneys must draw, the width and height of the apertures be large enough to use wood of a good length. Even when one touches such luxury as a steam-heating plant, these fireplaces remain the single most important feature.

One might build his fireplace and chimney first and then the structure around it. Indeed, in my little cabin I imagine that this was done. Fireplace, mantel, and chimney piece, it stretches to the ceiling and beyond, cracked somewhat here and there where it has settled, and with a blackened space above the opening where a wind from the mountains overhead has defied all rules for winds and come from above. But it has a quality of authenticity. A chimney it is and a chimney it is proud to be.

Perhaps the secret of the charm of a log house is that everything is what it purports to be. There are no "fixtures," no built-in artificialities. A hook is a hook, and one hangs his clothes on it. A cupboard is a cupboard. It is as impossible to have a secret in a log house as to hide anything these days from the government.

So now we have our log house. Maybe it had its plans on the back of an old envelope, but it turned into something fine, honest, and substantial. Maybe there has been an architect, but architects are apt to sneer at this humble work. The best plan is to draw the plan oneself on paper, letting it sprawl, keeping it low, and leaving spaces here and there where some day one may say: "Let's put a room here," and do it. Give it a lot of windows, and plenty of doors to step out of on to the good green earth. Plant trees around it and put vines over it. And then study what to put into it; for of all structures on earth the log house demands the most study in furnishing—appropriateness and harmony are all important.

Expensive things are out of place. Heaviness is to be guarded against. Elaboration is absurd. But it must be furnished, and gaily furnished. Neither walls nor stone chimneys have any particular color. An empty log house is the most colorless thing on earth. It is dead.

The matter is vital to the success of the project. Decorators usually fail, and the living rooms of the large and elaborate camps are often more like club rooms than anything else.
STYLES IN WINDOW DESIGN

In the upper left is pictured the simple Colonial double hung window, each sash divided into six sections. In the upper right, the English casements are shown with small panes of glass divided by lead came or wooden muntins. The center shows a Palladian window, such as would be appropriate over the entrance of a large Colonial house, or in an imposing gable of a Georgian house. The lower left shows a French casement with its blue-green batten shutters with hand hammered nails and interesting blinds. The Spanish window is shown in the lower right and is accompanied by a wrought iron balcony, which makes it a very decorative feature and also casts an interesting shadow on the light colored stucco wall.

Specially designed for The American Home by H. Lawrence Coggins.
A low fence should encircle the children's domain so that it may neither encroach upon nor be encroached upon by the yard proper. (Courtesy Long & Bell)

Try the outdoor nursery this summer

A play place in the out-of-doors brings health to your children and peace to your house

THE nursery is a matter which has been much discussed, especially since the idea has become general that the children's room should be adapted to childrens' tastes and wishes and not be limited to the dainty, perishable, and (to the children) insipid tints which from time immemorial have been consecrated to their use. But there is another part of the home equally important to the childrens' welfare (in the summer even more important than the nursery) to which undue attention has yet to be given. This is what we may call the outdoor nursery, where they may play and breathe fresh air to their hearts' content, the corner of the yard which may be fitted up for little peoples' use, where as in the nursery within they may have their belongings and work their will without fear of interference from their elders. The smallest of spaces will serve this purpose and it will prove a boon to both children and parents equally. Also it need not be out of keeping with the grounds about the house.

In such a "childrens' corner" what accessories will be needed? Mere space alone will not, of course, suffice unless some effort be made to adapt it to games and sports, save for the very little child who is able, usually, to find sufficient occupation in the careful study of a mere stretch of ground. To adapt it to the older children, however, no great trouble or expense is required, for many are the playthings which may be had to-day which are particularly intended for use in the open.

First of all, a low fence should encircle the children's domain, so that it may neither encroach upon nor be encroached upon, by the yard proper. Such a fence should be low and above all strong since climbing upon it will probably afford the children one of their chief joys. For this same reason the pickets should not be pointed, and the gate should be heavily hinged so that it may be swung upon without mischance. Care in dealing with things of this nature is foreign to the mind of the average child, not through desire to destroy but merely because of a lack of appreciation of the need of care; and the playtime of the little ones should not be broken in upon by constant warnings to beware lest this or that be harmed, as must perforce be the case in dealing with the rooms within the house. It would be better to dispense with the playground altogether than to make a place so artistic that constant watchfulness must be the price paid for it by its little owners.

Within the fenced domain many amusements may be (continued on page 206)
May. 1929

What makes the livable room?

Try variety in furnishings;
forget the too strict
"period" boundaries

JANE TEN BROECK

So MANY of us, when we are faced with the problem of furnishing a new home, find that our furniture consists of a motley collection of chairs and tables and beds and cabinets which have gradually accumulated around us with the years. In the old house they seemed to "fit." There were comfortable corners long appreciated because of a deep chair, the good lamp and a footstool which stood there. There were spots here and there in the old house where comfort and convenience emanated because the furniture had been long accustomed to them in certain groupings and arrangements. Now, confronted with the bare walls, and staring windows of a new house or apartment (or even when re-decorating the old house) these old pieces suddenly loom up for what they are—an assortment of chairs in several styles and colorings, an assemblage of other pieces distantly related to each other only through a general shabbiness.

But in place of despairing, it pays in more than one way to equip ourselves with a broader understanding of the virtues of these pieces. The upholstered chairs or couch may be slipcovered or reupholstered in any of several ways; the scarred and marred and broken furniture may be repaired, refinished, painted another color or stained another tone, even cut down or reshaped if necessary. Old fabrics may be redyed or combined with new textiles. Old rugs may be cleaned and brightened, redyed or made over into a new rug by the professionals who specialize in such work. Then in place of spending the savings and going in debt for enough furniture to completely furnish the new home, we may start out in quest of a few pieces which will tone up these rooms and at the same time will not be so snobbish as to make the old pieces look out of place and unwelcome.

This very variety of the new mingled with the old usually produces that desired achievement of all home makers, the livable room. But we must manage our purse adroitly, plan carefully, use discretion and a dash of daring and have a good reserve fund of the knowledge of color and general suitability.

These pictures show such a house which has been furnished with the old and the new to good effect. In the living room we find a one-tone chenille carpet covering the center of the floor area while a few modern hooked rugs are used here and there on top of this carpet. One rug lies in front of the simple mantelpiece. Over the mantel shelf hangs a round mirror and a simple vase filled with pussy willows flanks the mirror at either side to make an

Where the old and the new in furniture and furnishings have been combined with a charming result. No one period style is dominant.

The dining room of the same house, where variety and interest in mingled styles is again shown. (Photograph by Mattie Edwards Hewitt)

(continued on page 204)
Making the most of your dining room

Let in light, flowers, and the little personal touch that makes a room your own

THE first impression of many modern dining rooms is like a tasty hors d'oeuvre before the meal. One is conscious of this without being quite able to discover why and it is interesting, once in a while, to analyze those beautiful rooms. They may be exquisitely rich in wood carving, fine fabrics, priceless works of art; or they may represent next to nothing in the scale of dollars and cents. But we discover a number of elements which they have in common.

One is sunlight, probably the flooding warmth of the morning sun, for there is nothing we like better than to look out from the breakfast table on to a bright and cheerful world. If your plans are still in the making it might be worth while to consider the matter of eastern exposures. And by all means have plenty of large windows in the dining room, possibly French windows that open to the garden, or if the garden is still a dream, at least there can be window boxes or flower arrangements of some kind.

A dining room needs a touch of garden atmosphere even if it is only a painted panel, or one of those charming wallpapers in bird and flower designs.

If the matter of windows and exposures happens to have been settled in your house a hundred years (more or less) ago, there are other ways to bring charm to the dining room. If you cannot have sun with your breakfast, at least you can dine in the warm glow of artificial light which has been brought to the room through modern material. Dining room lights should be restful and flattering, and they easily may be for the use of light has become one of our fine arts.

Innumerable touches of color, of intimate appeal, of historic suggestion may be brought into the dining room and they give it a personality. The old pewter and china in the Colonial corner cabinet, the family portraits presiding over the side table, seem to link the present with a delightful and tranquil past. There may be a fine old clock ticking on the wall or a bowl of ripe fruit on the side table to bring color and life.

To return to the subject of light, the candlesticks and wall fixtures offer a chance to bring in original designs which harmonize with the room. Always, in the dining rooms which one wishes to consider and analyze, there are things which are not just “furniture” and which are not absolutely necessary, having nothing whatever to do with the prosaic process of eating three meals a day.

The keynote of these rooms, perhaps, is simplicity. There is never too much of anything in them. We have discovered the importance of that quality to-day and we wonder at the rooms in which the past generation dined and feasted, the clumsy, ornate woodwork and restless papers, the lumbering chimney pieces and tiny fireplaces, the over-elaborate effects in

(continued on page 240)
Furnishing a one-room apartment

Built-in furniture and clever tricks in furnishing
can make of one room a charming home

AT SOME distant date, when the roll call of twentieth century inventions is made, the one-room apartment will come in for its share of praise. Of course people have lived in a single room since time immemorial, but the one-room apartment of today is something altogether different. Formerly a single room indicated poverty, or, at best, financial embarrassment. It marked the period when struggling genius labored far into the night by the light of a flickering candle. To-day, successful genius with laurels on its brow is very apt to select a one-room home for its abode.

This change in the status of the single room is due to two things in particular. First, it may be attributed to the fact that apartment house builders have put a much wider interpretation on the one-room apartment than ever before. It now inevitably includes a bathroom, and is likely to include a kitchenette. Its closet space is luxurious, and its proportions are usually quite adequate. The second reason for the popularity of "condensed living" is the number of pieces of furniture which are being manufactured to serve a double purpose in a charming and unobtrusive manner. Of course, there are innumerable other reasons, such as the rush and scramble of life in a big city which leaves little time or inclination for the care of "waste space" (continued on page 224).

The living room section of a one-room apartment, in which color plays an important part. (Photographs by Richard Averill Smith)
How to make the new window blinds

More hints for the home carpenter on making attractive trim for his house

Paul Glenn Holt

Finishing nails and brads should always be set below the surface of the wood and the holes puttied between paint coats. Screws may be galvanized iron or, preferably, brass. Any metal work around window blinds is sure to receive the maximum corrosive effects of the weather. For this reason a very good plan is to paint all the inner joints of the lumber as it is being assembled. This assists the later paint in defense against the entrance of moisture and ultimate decay of the wood.

There is something about solid blinds which gives a satisfying air of solidity to a house. They are of ancient origin, used long before slats or Venetian blinds were dreamed of. In the earliest times they were needed for defense, to close light giving openings which also admitted air and storms, long before glass was invented. They stopped the flight of arrows and, when guns came into use, blinds of heavy oak rather interfered with the passage of musket balls.

To-day shutters or blinds are more necessary as ornamentation than for actual use to keep out cold in winter or heat in summer. A house without them, unless it be of a very foreign type, is apt to appear as lacking in character as a human face without eyebrows. We are used to them. They lend variety of color and texture, breaking up great blank spaces in the walls of our houses.

The single or double panel blind has been much in vogue in the last year. Now there is a strong tendency toward the batten type, built up of two, three, or four strips. Due to the honesty, the virility associated with batten doors and blinds they have become very popular.

It is easier to cut the insert (continued on page 220)
A SIX ROOM HOUSE THAT COSTS $10,000
ARCHITECTS' SMALL HOUSE SERVICE BUREAU

Of cement stucco on galvanized iron lath, relieved with the minimum introduction of brick veneer to give it color and variety, this $10,000 house is most attractive. The plan is arranged with a general feeling of informality and livability in mind, and includes an attached garage, one bath, and six rooms. The house would fit comfortably on a 50 foot lot.
The exterior finish from the porch up to and including the bedroom on the front elevation may be of local stone and broken bluestone flagging in irregular sections. The balance of the house may be of stucco with the exception of the gable over the porch which is to be siding, rough edge, 10 inches to the weather.

SEVEN ROOMS FOR $13,000

OTTO PREIS, Architect

The modest price of $13,000 also includes steam heat and tiled bath. The interior finish is of good quality but not elaborate. Study of the second floor plan shows that although only a lavatory is shown, by adding another dormer a bathroom can be added beneath the gable.
Excellent use is made of the floor space in the English type house above—a delightful little dwelling designed to cost about $17,000. The half timber work is most interesting. The stucco is a warm gray, and the strips are of weathered oak. The typically English roof is of rugged slate and fits well into the general scheme.
Specially designed for The American Home is this distinctive little log cabin which may be built from $3,500 to $5,000, depending upon the interior finish.

AN UNUSUAL LOG CABIN

M. WARREN SCHULTZ & L. ROBERT WARRINER, Architects

The cabin is built of rough hewn logs, and presents a delightfully "woodsy" exterior to the world. Inside it is rather more conventional, as the ceilings are finished—a rare feature in cabins built for this modest sum.
How we built our log cabin

The complete construction, step by step, of a summer cabin in the West

W. BEN HUNT

ABOUT five years ago, when we had the opportunity to add half an acre of picturesque hawthorn-covered ground to our homestead, we decided at once to satisfy our longings for a log cabin by building one the following spring. This, we felt, would be our very own and we could use it the year around.

The most difficult part of the building of a log cabin in urban or even suburban surroundings is to get the logs. The one we built was constructed of 8 and 10 inch tamarack logs with the bark left on. Tamarack is a wonderful wood to work when it is green; but, unfortunately, it does not grow in all localities. However, any straight logs measuring from 6 to 12 inches in diameter may be used. My father-in-law, who by the way showed us how to build our cabin, used good American walnut logs when he was a young man. Nowadays, walnut logs are so rare that a log cabin built of them would be worth a fortune. But if logs cannot be obtained in the neighborhood where the cabin is to be erected, there is always a place where one can buy tele-

phone poles. To my way of thinking, nothing can compare with them for making a real log house.

Having decided to build a log house, select for its location a place which has a slight slope to allow for drainage of surface water. This is essential when no basement is dug.

The first thing to do is to set the piers. These must be set at the corners, and at about 6 feet centers all around. Our piers are constructed of field stone laid in cement. They measure about 1½ feet square. Upon them the sill logs are supported (Fig. 1). After the piers had been placed, we took a few days of well-earned rest while some masons put up the fireplace and chimney. Putting up the piers taught us the advisability of calling the masons for the chimney and the fireplace, because we had discovered that the splitting and setting of field stones is a trade in itself. The masons did not disappoint us, for their finished product was what we wanted and as rough as we wanted it. The chimney was thus built, as you will note, before the cabin.

We then hewed the sill logs flat, wherever they were to rest on the piers. They were likewise flattened where the door openings were to come. The style of notch ing which we adopted was used by the pioneers who first erected their log huts in this portion of Wisconsin. The reason for choosing this particular type of notch ing was to prevent any moisture finding its way in between the logs, thus locating pockets in which it could start its nefarious work of rotting the logs.

The illustration (Fig. 2) shows how this notching is done. Another advantage in favor of this particular notch is that it is quite a bit easier to make than is the round notch commonly used. This work was accomplished with a small hand axe and an adz. As a matter of fact, the two tools just mentioned, and a one-man crosscut saw, were the only tools which we used on the entire job.

The logs near the chimney were just roughly butted up against it. A board was then nailed against them until the time came for (continued on page 23).
A COLLECTION OF DESK FURNISHINGS

Every writing table to-day must have some of these attractive fittings. Upper row: adjustable desk lamp of pewter, $11.68; globe mounted on tripod, $10.89; modern waste basket, papier mache, $9.94. Middle row: book-ends of Italian tooled leather, $7.50; pewter pipe holder, $10; wooden clock, $6.64; pewter elephant penholder, $5.50; set of address and memo book, $8.50; fountain pen in stand, with ashtray, $16.50. Bottom row: colored portable typewriter in green, red or blue, $60; scissors and paper cutter in leather case, $6.75; magnifying glass, $9.50; blotter pad portfolio, $9; tooled leather engagement book, $5; Funk & Wagnalls dictionary, jade inset in leather cover, $10. (Photographs by courtesy of Loetitia Tomassini, Rena Rosenthal, Mark Cross, L. C. Smith, R. H. Macy & Co.)
The evolution of a Tennessee farmhouse

A stately home in the South that grew from
an abandoned old stone house

REBA L. OFFINGER

JUST a year ago we purchased an old farm of forty acres, two miles from Johnson City, Tennessee. The land, neglected for twenty years, was covered with weeds, briars and poison ivy; and the house, a hundred and fifty years or more old, was a ruin!

As we fought our way to it through the briars we found that it had been so well built of native limestone rock with walls two feet thick, that the neglect and storms of twenty years had not harmed it. The house still held straight and true.

Located on a hill with encircling mountains about it, the setting was so unusually beautiful that we decided to buy it and restore it to its oldtime gracious dignity. Windows were out, the roof leaking, plaster falling, but the doors swung free and true, no cracks appeared in the walls, the wainscoting had neither warped nor split—the integrity of the old house had withstood the attacks of time—and so we went to work.

First we replaced all the windows and put on a new roof with a wider eave. At one side of the house a wooden kitchen had been added at some time in its history—a sheer afront to its dignity. This we removed, and a new addition of native rock to serve as a kitchen and breakfast room was built. The house began to grow in stately beauty. It was as if an unfortunate old aristocrat had been snatched from his impoverished condition and given his one-time position and setting.

Across the front of the house we built a Colonial porch, a porch that varies the roof line and with slender white pillars two stories high. We were then ready to begin on the interior which consisted of two rooms and a hall downstairs and two sleeping rooms upstairs. With the new kitchen, which was to be filled with all modern home making devices, made cheerful, colorful, and convenient, we decided that we could turn these two other downstairs rooms and hall into one big comfortable living room. To do this all the partitions had to be removed. With floors above supported by heavy hand hewn timbers this could be safely done, and when we finished in lieu of the one time cut-up spaces we had a combination living and dining room 21 x 31 feet. Outside on the mountain side of the house we made an open terrace.

With such sturdy construction to work with, we had no worry as to the wisdom of tearing out inner walls; and so with the first floor finished we attacked the

Old Rocke House, the dwelling of Mr. and Mrs. E. C. Offinger, which has been achieved at a total cost of $12,000
A corner of the combination living and dining room. 21 x 31 feet

second. More walls out and a reapportionment of space gave us one large bedroom, 12 x 21 feet, a hall bedroom not so large, and a fully equipped modern bathroom. In the large bedroom we had treasures: a quaint old fireplace and mantel. The beams overhead were all hand hewn and about the walls was a chair rail, everything lending an air of quaintness to this delightful room with its windows looking out over the mountains and winding valley. With the lower rooms floored in walnut and the upper ones in gum, the old house truly was “putting on airs!”

In the original rooms downstairs the fireplaces, stone mantels, wainscoting and doors had been so well placed that we carefully restored them all and put them back in their original positions. The woodwork of old pine was not in condition to use without paint, so it was refinished in an old ivory tint that harmonized well with the walls newly plastered in a rough stucco. To get the tone we wished in these walls, they were first washed in with a dark tan and high-lighted with buff.

In the old house in one corner of the living room there had been a winding old closed stairway. This we opened up and furnished with a banister and spindles of ivory and walnut.

By this time we were ready to attack the land around the house and to provide a proper setting for this home of gracious dignity. The land was cleared of debris, ploughed and planted to grass and clover. Two acres around the house were sown in lawn grass with excellent results and flower beds laid out. We avoided any formal planting but put in a profusion of colorful garden flowers.

Unfortunately, there was no way to reach our new home except through an abandoned back road and so, not content with house building, we took up road building, and constructed a road one half-mile long, which opened on the main highway. To do this we had to buy twenty additional acres in order to get a right of way.

Our next step was to put in a connecting line with the electric line a mile away and have city water brought to us. This was done, the water being pumped half a mile to our door.

The roadway that we built was graded and rocked and continues from the main road straight up the hill to the house and around it. We bordered it with roses and violets so that it is fast becoming one of our beauty spots. And last autumn we began an old-fashioned garden at the kitchen end of the house. Peonies, Delphiniums, Phlox, Hollyhocks, and Shasta Daisies are our beloved perennials, with annuals planted each summer for bouquets. Within the naturally beautiful setting it is indeed a lovely spot. And the cost? $4,700 for the old house and land, with $7,500 additional for improvements—a total of $12,200 for a stately old home.
May, 1929

Festive awnings for any color fancy

Tested materials to withstand weather and sun—original patterns and how to use them

GWENDOLYN MACLEOD

The awning fabric manufacturers have, to a large degree, solved all our awning problems for us. A very few years ago awnings answered a merely utilitarian purpose. There was practically no variety of design, and one had very little choice beyond the uniform striped materials; an awning was an awning, protection from the sun, nothing more. To-day we have a wide variety of designs, with an almost limitless range of colors from which to choose. And the possibilities do not end there, for one may keep the general garden scheme in mind and obtain some delightfully original results by having at least a speaking acquaintance between the two. These awnings and lawn decorations that used to get little more than casual thought should as definitely express the individuality of the specific home as the lamps, the draperies or the furniture.

So much time and money must be given to the construction of a house that the fine points of exterior finishing touches are too often sorely neglected. By giving even a modicum of thought to our awning and lawn decorations, one can often achieve a charming effect with a house that otherwise might leave something to be desired.

In choosing our awnings the question of price is a factor. We can have a choice of woven or printed materials. Naturally the woven materials are the more expensive and in most cases will outwear the printed. However, the newest printed fabrics have decidedly durable qualities, and one can find a delightful array of patterns with an unlimited number of all sorts of figured designs. In woven materials, until recently, there was little choice of anything except stripes, but now one will find fascinating figured designs in double faced fabrics, identical on both sides. This year styles range all the way from the conventional Navajo to the art moderne. Too, there are effective block patterns which run along the outer edge of each side, (continued on page 214)
New colors and fabrics in window shades

A variety of window materials that put your rooms in their very best light

ANNE BOGART

In buying window shades for the home, just to purchase a full quota of uniform specifications, to fit the sizes and shapes of the windows, is not enough. The purpose of each room, the way it is equipped, the color scheme—all these must be taken into consideration before the window shades are ordered. In some rooms, such as the solarium, you may not want the ordinary roller shade at all, but may find it effective to substitute one of bamboo or wooden slats, or to use the Venetian blinds that are desirable in certain climates and fit so well into certain types of decoration. There must be exterior uniformity of a sort, of course, so the house will present an harmonious picture to the world.

There are, fortunately, various ways and means of meeting this difficulty. It may be entirely solved by careful study of possible window shade colors and textures to find a single type that will be a happy compromise and place all parts of the house in their best possible light.

For most of the house plain shades are given the preference. For sun porches, bathrooms, dressing rooms and the living or bedrooms in more or less informal residences, decorative shades are the alluring alternative. Even in the more formal city homes and large country houses, window shades of decorative fabrics are often suitable.

One kind of decorative shade that suits a formal house is that of book-muslin, hand printed from antique blocks, an importation from Italy. This muslin is treated in such a fashion as to make it translucent, then illuminated with panel designs, richly colored floral or scenic patterns against white, cream or delicately tinted backgrounds. Such shades are so richly decorative in themselves that the other furnishings of the room must be fairly simple. When such shades are chosen for a room, they will be used drawn down for the most part, so they should not be (continued on page 210)

Colorful, patterned shades take the place of curtains in this pleasant dining room at the home of Col. Franklin d'Olier, Wynnewood, Pa.
Serving breakfast without a maid

Silver, dishes and cheerful decorations to give the day a good beginning

SERVING a meal, whether for family or company, may be done with no confusion and also correctly if a few rules are followed, and the meal is kept to informal lines.

Breakfast is so important a meal that it should be given due attention and consideration. The man who goes out from his home well fed on appetizing and nourishing food, well pleased with the appointments of his table, is much more likely to have a successful day than he who makes his own hasty cup of coffee, or grabs a bite somewhere on his way down town.

Homemaking women ought not to look upon getting breakfast as an obligation hard to fulfill, or to consider themselves abused if this duty is expected of them.

A duty, surely, it may be considered even in this day of rapidly disappearing obligations, but might it not also be looked upon as a pleasure? Morning is a pleasant time of day, once you get acquainted with it, and the accoutrements of a breakfast table are delightful things to manipulate. Sending a man off to his day’s work in a satisfied and contented frame of mind, or a youngster off to school with a warmed and sheltered feeling for his home is no mean accomplishment for the best of women.

It takes brains, too, to feed a family intelligently, and still to present food in a pleasing form. The woman with creative energy to be burned can find room and opportunity for any amount of it in this one phase of homemaking alone.

The breakfast menu suggested by the illustrations is as follows:

- Cantaloupe—iced
- Waffles — Butter — Maple Syrup
- Small Sausages
- Coffee

A simple enough breakfast, yet entirely satisfactory for either family or informal company. Especially desirable is it for a Sunday morning with a couple of intimate friends invited to share it.

On the table shown with this, the cloth is a colored linen, blue and white, with napkins to match. Such cloths are inexpensive and give a note of gayety to the table that is most desirable. Flagging spirits often need to be stimulated in early morning, and even a churlish temper is likely to give way before a colorful table and an...
If you live beyond the gas main

Cooking and refrigeration facilities for the kitchen that is not on the gas line

ONE of the problems in the suburban "gasless" home is the selection of a substitute for gas. Such a substitute that closely resembles city gas is a so-called "bottled" gas, a compressed gas (not a liquid) derived from natural gas. This bottled gas is used like city gas, although its heating value, it is claimed, is much greater. It burns like city gas and can be used with any standard gas range or other gas-burning appliances, so that the home owner can select equipment from standard products of various sizes and prices.

This gas comes in tanks and, connected to the gas range, is used exactly as city gas is used. An illustration accompanying this article shows the up-to-date range that may be used in homes far from the city gas mains. The tanks are placed in an enameled steel cabinet, the cabinet being set on a small concrete foundation in some inconspicuous location, usually against the rear wall of the house. Two tanks are always on hand so that when one is empty there will be another to replace it while a full tank is being delivered. This fuel is satisfactory and dependable. Its cost is a little higher than that of the average city gas although not greater than that of the manufactured gas supplied in many small towns. An installation of this "bottled" gas is about $150 up, exclusive of gas, but including the range. This price depending upon the range selected and the cost of installation.

FLORENCE LA FON

"Bottled gas" is fuel for this modern range which is equipped with temperature control. (Pyrofax Division, Carbide and Carbon Chemicals Corp.)

The new oil ranges rank in appearance and performance with the other new ranges. (Perfection Stove Co.)

Liquid fuel is not confined to cooking use only; at right is an oil refrigerator—a newcomer on the market. (Perfection Stove Co.) (continued on page 218)
Camping equipment for your vacation

The complete outfit for a trip into the country—everything from sleeping bags to cooking utensils

Perhaps, if more women knew about the great number and variety of delightful things planned just to make camp life or even a brief walking-tour easy as well as interesting and comfortable, they would overcome their innate dislike of roughing it and would enter as heartily as do their husbands and sons into the preparation for a camp summer, and enjoy it as much.

There are several kinds of camping, to suit all tastes, the permanent camp and the traveling camp. Equipment for the traveling or nomadic type of camp depends largely upon the method of travel, whether by foot, by pack horse, canoe, or automobile. Even those nomads who travel afoot may choose two greatly varied methods, road tramping and forest cruising, and will need quite different outfits.

Walking tours are increasingly popular, perhaps because the automobile has revolutionized country roads, spreading miles and miles of concrete or smooth macadam through the loveliest country everywhere. The hiker usually carries only a few articles of clothing, toilet articles, and a thin waterproof coat, packed compactly into a neat rucksack which he carries on his back. He plans to buy his food and lodging as he needs it, wherever he happens to be. Road hiking for one who is not easily fatigued, is really a pleasant and healthful way of taking a vacation, but not nearly so adventurous as forest cruising—that is, getting away from roads, venturing into the wild, and shifting for oneself in the matter of food and shelter.

Weight is, of course, the chief thing to consider in selecting equipment for forest cruising. How to carry along enough articles to sustain life and insure rest seems rather baffling to the woman who does dote upon all the comforts of home; yet the makers of sporting and camping equipment have apparently thought of every emergency and met every need with some easily portable equipment.

Can you imagine walking all day with a folded tent strapped on your back? On the market there is a splendid little shelter tent, 3½ feet wide and 6½ feet deep, 5 feet high, that weighs, complete with waterproof groundcloth, only 3½ pounds. The same type of tent, planned to shelter two persons, weighs but 6 pounds complete.

Other hikers prefer sleeping bags, though these weigh more—from five to fifteen pounds—so they are more practicable for those who travel by pack horse, canoe, or automobile than under their own foot power. Sleeping bags are really quite comfortable, some of them being designed with a little canopy at the head that can easily be held up by a stick, so that wind and rain need not trouble the sleeper.

Cooking utensils and provisions must of necessity be very light for the walker. Even though he can depend upon game for part of his food supply, he will want some beverage, some vegetables and fruits, besides bread and butter. But there are obtainable the very lightest and completest cooking outfits that weigh only a few pounds; indeed, the Boy Scout cooking outfit, consisting of frying pan, stew pan, cooking pot, fork and spoon, all in a neat case, weighs only ½ pounds. Another neat little collection, called the Pocket Kook Kit, contains a folding broiler, a pair of frying pans that can be fitted tightly together to form an airtight roasting pan, two cups, and a coffee pot; these, which all fold compactly and nest together, with detachable handles, weigh 3½ ounces.

Photographs by H. Victor Keppel

A collection of camp furnishings and utensils. (Photographs on this page by courtesy of Abercrombie & Fitch, R. H. Macy & Co., Hammacher, Schlemmer & Co.)
**Knifing the Rhododendron**

**Bud pruning to keep the Rhododendron alive—how and when to do it**

G. G. NEARING

An overvigorous plant may even commit suicide by overproduction of flowers, unless controlled by disbudding.

The flower clusters unlike chickens may be counted eight or nine months before they are hatched. By the end of August you can tell just how many trusses to expect in May or June. Each growing tip prepares for winter by fattening a main bud or two, around which smaller buds are partly developed. If the principal bud is no broader than the business end of a lead pencil, blossoms will not grace that tip the following spring. But when a bud swells to the dimensions of a small onion, that tip has declared intentions which are nearly always carried out.

There is no rule as to the number of flower heads a Rhododendron can support without injury. Some varieties and species will bear more than others. Much depends on the health of the individual plant.

A majority of the older hybrids, such as Roseum Elegans, Everestianum, Mrs. C. S. Sargent, or President Lincoln, have gained popularity by flowering heavily year after year without harm. The native Rhododendron catawbiense usually follows a season of profuse bloom by putting out only one or two clusters the next year. (continued on page 264)
Planting the garden close to the house

Color schemes for the intimate garden from early spring through autumn

LILIAN C. ALDERSON

A garden leading out from the house is always intimate and personal. Its influence is constantly felt, even when one is least aware of it. There are moments when we turn eagerly to it, as a respite from the fret and friction of everyday life.

To bring about an illusion of distance, the flowers must be just far enough away to compose into a picture, where parts are easily recognizable, but where the inevitable reminders of change and decay are softened by distance.

The flower borders shown in the photographs actually measure only 56 feet long by 15 feet wide, including the flagged walk, but the garden is made to seem much larger by reason of its background and disposition.

The sole axis between the house and the garden consists of the view from the porch down the garden path, with the rustic rose arch and gateway as a focusing point.

The porch is raised above the level of the grass and so, too, is the garden, gradually in terraces, with here and there a step or two.

The first terrace is formed by a retaining wall of field stone, all of it blasted from the rocky hillside behind the house. Between this wall and the flower border runs a Hemlock hedge, some 5 feet high and 2 feet thick, sheared so that it looks like a wall of feathery green. This hedge is a joy at all seasons, from the time that the first new growth puts forth its tender green. Its fragrance fills the air in midsommer with a delicate woody odor, and it is ever green and most beautiful and fairy-like when the winter flings over it its white mantle of snow.

On the other side a second retaining wall supports an upper terrace, wide enough to accommodate a toolhouse and small storehouse. In front of them stretches a long grass panel, leading to a grape arbor, flagged underneath and furnished as an outdoor living room, with serviceable iron chairs and table.

From here the garden is seen from above. Looking down the steps in the wall, through clumps of white and blue Siberian Iris, a feast of color is spread out to gladden our eyes, Canterbury-bells, Sweet-williams, Lupins, Columbines, with tall spikes of Foxgloves rising above the wall.

The borders were planned for spring and early summer, looking forward to a holiday in August, and a home-coming early in September. This explains the preponderance of biennials and annuals, not usually met with in a perennial border. This would mean a good deal of expense, were the plants bought ready made, but actually nearly every one that was added to the perennials last summer was raised from seed by the owners of the garden. (Continued on page 292)
Does your child need a garden?

Give him a little plot and let him sow, cultivate and reap

I. GEORGE QUINT

Have the garden started indoors, teach the youngster how to thin out his seedlings, how to transplant them and how to care for the outdoor garden. And when planting-out time comes, get him some overalls and let him crawl in the dirt. It will not do him any harm, and soap and water will get him clean again in a jiffy. Get him some tools, and let him have the happiest summer of his gay young life.

Planning is essential, as parents often make the mistake of selecting for their children flowers or vegetables that are not easy to grow. Remember, Junior is a beginner, and to keep him interested he must see results. Select, therefore, seeds which will grow easily and flourish in spite of a good deal of mishandling.

Of course, the amount of space to be allotted and the age of the child will determine in a large degree the varieties of flowers and vegetables to be grown. For the first garden, however, none but annuals and fast-growing vegetables should be sown.

There is a valuable lesson to be learned by watching the development of seeds. They are embryo plants and, like very young infants, must be nursed tenderly. They are alive. They require food and sunshine. A baby without sunshine develops rickets, a seedling without sunshine soon dies. A baby must have room to creep, plants must have room to breathe and flourish. Infants are protected by many blankets. As they grow older they are exposed more and more to the elements. Seeds are the blankets for tiny plants, and as the plants develop the covering unwrap the plant begins to climb.

The parents who will make their children see the relationship between plants and infants will do much toward making of those little folk kind, useful citizens.

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The father undoubtedly can get a few cigar boxes to start the garden indoors. The cover should be removed, and three or four small holes bored in the bottom. These will permit water to run off while the plants are growing. An irregular chunk of porcelain, or glass should be placed above every hole, to prevent earth from going through the holes and yet not close it up enough to prevent water from escaping. (continued on page 302)
Succession of bloom in a shaded garden

Bulbs, annuals, and perennials to keep color and interest in the small garden with a big tree

WHILE every plot calls for individual treatment, there are certain general principles for all small shaded places. This account of the flowers that were chosen and induced to bloom in such a Montreal garden will possibly illuminate the way for many who have found intense shade their great garden enemy.

The pictures show a small area of 29 x 28 feet, Mrs. J. K. L. Ross's garden treated in a semi-informal manner. It is overlooked from two important rooms and is bounded by the house wall on one side, the conservatory on another, and, on the other two, by a well designed trellis. Naturally, in such an area there is little sun and no circulation of air. Adding to the shade is a large Maple tree whose roots also take most of the nourishment from the soil.

The problem of a succession of bloom, if indeed any bloom at all, was most difficult especially as a massed color effect was desired—a bold effect rather than the beauty of individual flowers, for the garden is considered from the dining room windows more than from the garden itself. As the house is closed until Darwin Tulip time there is no one to enjoy an early spring garden, one of those fascinating things of wild and cultivated flowers, such as Hepaticas, Trilliums and Scillas, Daffodils with all their golden beauty, and the early flowering Tulips, to mention only a few of the possibilities.

Our garden, therefore, commences with the Tulips; the Maple tree in rosy bud and tiny feathery leaf add to the beauty of a setting for the Darwin Tulips, without shading them and marring their exquisite beauty of form and coloring. I feel that spring coloring should be clear and tender, so I chose the lovely pink of Clara Butt—there is none among the newer varieties to surpass it in this respect. Add to it the strong lavender of Rev. Ewbank and the sunshine color of Inglescombe Yellow to complete the charming trio. A few Tulipe Noir were scattered through and are strong points of contrast. Under all is a mat of Phlox divaricata spreading lovely (continued on page 312).
The seasons in a Southern garden

The year-round garden in the South—some pointers
for the newcomer from the North

Perhaps the average Southerner has rather overdone his boasting about the wonders of the climate and the soil of his section. Even the garden magazines seem to take it for granted that no particular plan of cultivation or time of planting is necessary, for there are numerous articles about the planting and care of Northern gardens, and rarely a mention of the year-round garden of the South.

Of course, we have emphasized that idea of the ease of cultivation ourselves, putting our best foot forward and forgetting the old gardening shoes that are caked with mud. The gardens themselves have an unstudied beauty that seems due to nature rather than to careful gardening, and, away from home, the man who is most zealous with pruners and sprays may give the impression that in the rich soil of his state and with the sun shining most of the year, all that is done to produce flowers is to plant seeds or stick slips in the ground.

And with a great number of plants this is really true. Roses, Hibiscus, Poinsettias, any of the plants that grow from cuttings, will take root almost without fail from November until April. But that doesn’t mean that the summer is without scale, or that no fertilization is necessary for the best results.

The newcomer arrives from the North, and learns at his own expense and trouble that the Peonies and Lilies-of-the-valley that he planted in the fashion of his former home bloom one year only, for the bulbs must be frozen. He learns too late that Hyacinths and Tulips and Freesias are seldom successful in the far South, and that while he may have the seed from plants of his old garden, bulbs are best left alone. Marigolds, Pansies, Calendulas and Verbena bloom through all months, and while an occasional frost may blight the buds of the Nasturtiums and Sweet-peas, the new shoots are out again in a short time.

The first essential of the successful year-round garden is a background of permanent green. Colors are lovely, but there are times of heavy rains and shivery days, when the petals are beaten from the Roses, and the smaller plants are blossomless and forlorn. A background of plants that are perpetually green means beauty the whole year, and rest for the gardener. The South offers endless variety of plants and vines that can be planted for all time, and whether one chooses the widely favored Pittosporum, Ligustrum, Japanese Yew and Euonymus for background, or the flowering and fernlike plants, the boundary wall of green is the first requisite for our garden. (continued on page 308)
Common sense about watering

The richer the soil the greater the need of artificial supplies of the only food carrier

T. A. WESTON

EVERY gardener is aware that plants, like every other form of life, cannot exist without water. Both by way of the roots and through the foliage, plants absorb their food in liquid or gaseous form. The amount of moisture a plant absorbs is, of course, dependent upon its size and material character; soft stemmed annuals require proportionately more moisture for their well-being than hard wooded subjects, and if the soil is rich in fertilizing elements, growth is naturally more vigorous, which in turn results in a still greater call for moisture. If moisture is lacking, that portion of the soil is of no particular moment, inasmuch as without water, plants cannot manufacture the sap which supports growth.

In the open ground it may be thought that plants do not require water during the winter. Yet, as a general rule, it is during the winter that a large proportion of natural moisture descends, either in the form of rain or snow. It is true that deciduous trees are inactive, but that fact remains that if the soil were dust dry in winter, great numbers of trees and shrubs, especially evergreens, would die, which tends to prove that the sap in plants is always circulating. This circulation of sap is hastened as the temperature rises and in the spring, when foliage has developed, the call for moisture is increased, because by the action of sun and wind evaporation or transpiration goes on which necessarily means that the roots must have access to water sufficient not only to carry the needful food but also to offset what is evaporated. If sufficient moisture is not available at such a time, growth will be checked and if steps are not taken to make up the deficiency it will stop altogether.

Thorough cultivation of the soil is one means of assuring plenty of underground moisture. Even those soils that are deeply trenched will retain more moisture than those that are only lightly dug. The more moisture available in the soil, providing it is not flooded or waterlogged, the more active is the growth of one’s plants. And since evaporation occurs direct from the soil as well as through the leaves of the plants, it follows that one must supply water artificially, especially to shallow rooting subjects. Trees which send their roots deep down into the earth are not affected by ordinary spells of dry weather but many of the smaller plants we grow, both vegetables and flowers, soon show signs of distress.

It may be here mentioned that frequent cultivation by means of the hoe or other cultivating tools, so that the surface of the soil is always loose, goes a long way toward conserving moisture in the soil, inasmuch as it prevents rapid evaporative losses that one must supply water artificially, especially to shallow rooting subjects. Trees which send their roots deep down into the earth are not affected by ordinary spells of dry weather but many of the smaller plants we grow, both vegetables and flowers, soon show signs of distress.

May, 1929

(continued on page 310)
The late spring garden activities

Separating weeding and seedlings—watch the watering and transplanting

ELLEN EDDY SHAW
Brooklyn Botanic Garden

The garden has been fertilized, spaded, raked fine; the seeds have been planted; and now young seedlings can be seen above the ground. Now comes that interesting period in garden work when weeding and seedlings are separated, the one from the other. Even if the weeds appear first, it is well not to attempt any weeding at all until well-defined rows of seedlings appear above the ground. One of the best things about this period is that it holds moisture in the soil at the root system area. If the vegetable garden is carefully cultivated and constantly cultivated throughout the season, no watering will be required unless there is a long dry spell. One cannot run a flower garden on this principle, however. More water is required there. But some one begins saying, “What are you going to do when you put out your Tomatoes, Eggplants, Peppers, and Celery in early June, after some dry weather? Are you going to put these plants right into the soil without any extra water?” No; of course not. Dig some water into the hole, put some water into the hole, puddle it, so that a nice soft mud bed is there, and lower into this nice resting place whatever plants are to be transplanted. In setting out plants, place them lower in their new position than they were formerly. This is rather a good rule to go by, although it cannot always be used. Place the plant in its new position up to its first leaves. In this way you get underground practically all that part from which roots are given off and allowing for settlement of the soil. The feeding area, that is, the root system, of a plant is increased and growth comes on with greater speed.

CARE IN TRANSPLANTING

There are other times when one must consider this proposition of watering, times similar to those mentioned above, for one has to transplant, and in thinning out rows of plants too closely planted, sometimes water must be used. But in such cases be sure to water new positions and freshly opened drills, rather than watering the surface of the soil. In thinning out plants, one may follow directions often given in detail in last month’s article in this magazine. For flowers, any good seed catalog will give distances. For instance, suppose one has planted Zinnias rather closely togethe:

Let air into the soil

Cultivating after a number of hours, letting the night ensue when less of evaporation goes on anyway, is pleasant and easy, and the garden soil is left in splendid fine condition with moisture held beneath the surface of the soil and the top area in fine condition. Just these little points and you may make a vast difference in the health of our garden, for garden soil must be kept in good condition with plenty of air worked in from constant cultivation, and moisture held at the proper place.

I have not experimented with all the sprinklers to find out how long it takes for the soil to become thoroughly wet, but with one form having rotating arms it takes about three hours for a spot to become so thoroughly wet that the sprinkling does any good. A great many people put a sprinkler on their lawn, run out and leave it in one spot for half an hour, and go through this nervous dodging performance every little while. This is almost a useless thing to do because no spot becomes thoroughly soaked. The idea is to get the water really into the ground.
A striking
MARITIME PRINT
FROM FRANCE

with a wealth
of delightful incident

A Mediterranean port—an 18th Century man-of-war lies at anchor off the rugged coast. Fluttering sails and intricate rigging etch a vigorous pattern against cliffs and sky and terraced villas. Around this surges the restless life of the harbor—robust fishermen in picturesque hats, turbaned merchants, busy housewives, all eagerly bargaining for the morning catch—

Such is one of the animated scenes on this striking print, done in the manner of a steel engraving. Its unusual dramatic quality and splendid drawing, together with the appeal of ship scenes, make it particularly delightful for hangings or panels in the man's room, in the country home or country club.

This charming fabric once more illustrates the stimulating variety and distinction of design to be found in Schumacher collections. There you will find exceptional fabrics of every type and for every purpose.

Your decorator, upholsterer, or the decorating service of your department store will be glad to obtain samples appropriate for your purpose.

"Fabrics—the Key to Successful Decoration"... This helpful booklet will be sent to you without charge upon request. It is planned to help the woman who wishes her home to be successfully decorated, but has not the time or the inclination to make a deep study of interior decoration. F. Schumacher & Co., Dept. D-5, 60 W. 40th St., New York. Importers, Manufacturers and Distributors to the trade only of decorative drapery and upholstery fabrics. Offices also in Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, and Detroit.
A New Style in Interior Decoration

A new style at all... this renewed use of decorative wood mouldings for cornices, wall panels, chair rails, door heads, etc. Rather it is a restoration of a lovely fashion which became impractical, except in the wealthiest homes, as the cost of hand carving became prohibitive. But with the development of Driwood Period Mouldings in Ornamented Wood, the use of decorative wood mouldings is restored for the small cottage, the large home, apartments, etc. Everywhere architects are showing a renewed interest in this restored style. Interior decorators, too, quick to sense opportunities for distinctive interior effects, have been quick to adopt it. And the home owner has welcomed this fashion for its rich beauty, its intrinsic charm, its refreshing distinction.

Driwood Mouldings reproduce...and reproduce in wood—the depth and beauty of hand carving at a price which even the small home owner can afford. Driwood Mouldings are not plaster. They are not composition. They are wood—ornamented wood. For this reason they will neither chip nor crack. So that they rival hand carved mouldings for durability as well as for beauty.

Any carpenter can install Driwood Mouldings. If you are building, re-building or re-decorating, your architect, decorator or building material dealer can help you choose from the 119 individual Driwood Mouldings. Mail coupon for free copy of "Fashionable Walls," illustrating how Driwood Mouldings can enrich your home.

HENRY KLEIN & CO., Inc.
General Sales Office, Dept. L, 11 East 35th St., New York
Branch Offices in Boston, Chicago, Detroit, Philadelphia and Pittsburgh

DRIWOOD TRADE MARK REG

PERIOD MOULDINGS
in ornamented wood

HENRY KLEIN & CO., Inc.
Dept. L, 11 East 35th St., N.Y.
Please send a free copy of "Fashionable Walls" to...

What makes the livable room?

Continued from page 179

interesting though simple arrangement. The essential fireplace tools stand nearby; and for decorative effect a handsome old copper warming pan is also hung there. A small davenport at one side of the fireplace is a simple upholstered chair and small table to make a practical and comfortable arrangement around this center of interest of the room.

Such arrangement creates in one corner a secluded nook for a desk and chair while in the other a screen masks an entrance to another room. A different style of arm chair covered with another kind of upholstery stands just beyond a small table, while in the opposite end of the room an equally delightful arrangement is achieved. In this latter are two upholstered chairs, one covered to match the davenport, the second covered to match the draperies and the high-back armchair near the fireplace. This end of the room has been filled with simple open-face bookshelves. Centered in front of them stands a reading table. There are lamps for floor and table, small smoking tables, some delightful pictures and flower arrangements here and there in the room, all helping to create the home atmosphere... livability. Yet no one period style is dominant. There are American Colonial pieces, English and Dutch tables, drapery materials which might be English or early Colonial American in pattern and small smoking accessories and lamp shades which are Oriental. The draperies are held back at either side of the windows where ruffled voile curtains are also looped back in graceful drappings.

On the dining room was lavished the bulk of the spending, for we find all matching pieces in this room although they are simple and except in the rooms are consistently arranged for comfortable living yet the groupings are also made for good balance and harmonious relationship to each other. Here the new mingles with the old sympathetically variety of style contributing to rather than detracting from, the satisfaction of the whole.

A spray for evergreens and shade trees

Red spiders on conifers make rusty summer foliage. Examine the leaves to make sure that the red spider is there causing the damage. If so, spray with a suitable spraying oil, diluting it one part to one hundred parts of water.

Those white scales on Pines, Spruces and Eucalyptus, also the woolly aphids on Pines are easily controlled at any time during the growing season by spraying with such an oil (like sunoco) one part in thirty-three parts of water.

Bagworms and tussock moths are defoliating shade trees. Arsenate of lead, one ounce of the powdered form in two gallons of water, will kill them. Add two ounces of laundry soap or resin fish oil soap, or eight teaspoonsful of spray oil to the two gallons as a sticker and spreader.
For, though solid silver—sterling—is of the same purity the world over, design is the variable quality. Design it is that makes one pattern more sought after than another.

And it is in that variable quality—design—that Minuet excels. The sheer beauty of its proportions, the chaste, quiet grace of its curves make it easily the best-known, the most popular sterling pattern of this decade.

Today's leading artists, decorators, hostesses have paid it the highest tribute it is possible to pay a design...they have chosen it for their own.

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

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

With it will come the MINUET booklet, giving MINUET'S charming history. Send 30c—a fraction of their actual cost—for both.
"I fell in Love with That House on Sight!"

COLOR has just as much to do with the charm of a house as design. The new and exclusive Cabot Collopaaking Process enables the colors to penetrate the wood, with the oil, instead of lying flat on the surface like ordinary stain or paint.

The result is a soft, glowing, permanent color scheme. It is the joy of every good architect to recommend Cabot’s Creosote Shingle Stains—he can secure luminous, lasting color effects that cause people to fall in love with his houses on sight.

Send for new booklet today. You will have an interesting hour reading it, and there is no obligation.

Try the outdoor nursery this summer

Continued from page 178

planned. Of course the most obvious of these is the playhouse, but unless one is fortunate enough to have some out-building which is located in just the spot required, it is apt to be a rather expensive luxury. It will afford the children great pleasure, however, and various are the delightful little houses of this kind which may be had to-day, both portable and otherwise. A variation of these, which would be lower in cost than the ready built playhouse, is one made on the order of a folding screen, composed of clapedboard walls fitted with windows and a door. This is set up to form three sides of the house and is easy to move about, though of course furniture and other perishable articles cannot be left within its enclosure at night, since it does not boast the protecting presence of a roof. It affords much pleasure in the daytime, however, and is hailed by the children as an excellent make-believe in spite of its architectural deficiencies in this particular respect.

In winter a "house" of this kind may even be set up in the nursery, thus proving itself more practical for round-the-year use than the actually built house outside.

If the children have already an attractive set of chairs, table, and other furniture, these may easily be rendered suitable for the playground. There is a new waterproof paint in the line of the rain-shine which is made for porch and garden furniture and which does not whiten or streak if exposed to storms as may be the case with ordinary paint. What is so practical for outdoor use if the children’s furniture needed additional grown-up pieces are the new longue cushions which come in such gay colors and which are so practical for outdoor use.

If the children’s furniture needed additions, grown-up pieces are the new longue cushions which come in such gay colors and which is so practical for outdoor use. If the children’s furniture needed additional grown-up pieces are the new longue cushions which come in such gay colors and which is so practical for outdoor use.

Of almost as much importance as the swing and its variants is the seesaw, and this may be made or may be bought support and all. The inclined plane approached by steps which lead to its highest point whence one may slide breathlessly to the ground is another joy to the younger generation, and both these playthings may be made without much difficulty by a father who combines a little ingenuity in carpentry with the

A little playhouse in the open for the younger child, as well as for his older brothers and sisters. (Courtesy of Lewis & Conger)
PYROFAX GAS SERVICE BRINGS REAL GAS TO COUNTRY KITCHENS

"The only fault I have to find with Pyrofax Gas is that it is so good my wife wants to cook with it all the time"

—Mr. T—, Massachusetts

"OTHERWISE it is wonderful," adds the gentleman who writes us the above comment on the Pyrofax Gas installation in his country home. When a woman has had to tolerate slow, odorous, troublesome fuels, she is apt to want to cook all the time when she has Pyrofax Gas Service and a genuine modern gas range in her kitchen.

Pyrofax is real gas, ready to serve every country and suburban home, in a genuine gas range. It is delivered in steel cylinders, is used exactly like city gas and it brings every modern cooking convenience to your own kitchen, no matter where you live. There are no delays, no adjustments, no inconveniences, no odors, no overheated kitchens where Pyrofax is used. Cool to use in summer. Odorless in winter. Never marks a pot or pan. It is not a liquid fuel. Not an imitation of gas. It is the real thing—real gas that cooks and bakes perfectly, without waits, or delays, or fuss, or bother.

And for use with Pyrofax there are some of the handsomest modern gas ranges you have ever seen—ranges enameled in color, or in spotless white, trimmed in nickel. Ranges that will make your friends envious, so fine-looking and so well equipped are they.

You can have Pyrofax, the faultless fuel, and one of these genuine gas ranges in your home right away with very little expense. A small initial payment—as little as $37.50—is sufficient for the installation. Pay the balance in easy installments over a year if you like. Pyrofax equipment, including the gas range of your choice and complete installation, is surprisingly low priced.

Let us send you some interesting literature on Pyrofax and the name of the nearest dealer who will be glad to demonstrate this modern fuel for you.
ROBRAS 20-20 RADIATORS

In the Wall — Out of Sight — Out of the Way

Each side of these brass fins is a heating surface throwing off heat at higher temperatures than could the old-fashioned radiators. The fine form of these, which greatly accelerate the flow of air, brings added comfort and increased speed.

Meet the Demand for
Modern HIDDEN Radiators

The best part of each room, that is in front of the windows, no longer need be cluttered up with old-fashioned radiators. Nor need interior decoration or the style of window draperies be marred. Curtains may hang straight from valance to floor. With ROBRAS 20-20's in-the-wall, out-of-the-way, dust will not be thrown up to soil curtains or mar the walls.

ROBRAS 20-20 Radiators can be installed in the space between inner and outer walls in recesses from eighteen to seventy inches in length. They can be used with steam, hot water or vacuum systems.

Send the coupon below for our fully illustrated Brochure "Proof of the Pudding."

ROME BRASS RADIATOR CORPORATION
1 EAST 42ND STREET
NEW YORK

Where the family may gather at tea time. This group, like all garden furniture, has been chosen for its durability as well as its comfort and beauty.

The garden living room

Continued from page 174

experience with another kind! Church pews may have been good for concentration in the days of pioneer Puritans but they are not so good for relaxation in a garden.

The budget permitting, a bit of ornamental stone work or a terrace cotta jug will add a finishing touch to our out-of-doors living room. A bird bath, a sun dial, an ornamental fountain head, these give the suggestion of permanency to garden beauty. We must feel that winter cannot utterly obliterate this charming spot; that there will be a land-mark whence we shall lay out our garden once more.

Successful arrangement of garden furniture is based on the same principle as the arrangement of the indoor living room. A large family circle was once the mode. Each person was offered a favorable view of a semi-circle of feet and everybody tried to talk at once, with the result that nobody said anything of consequence. Now-a-days living rooms are furnished on the group plan. There are two or three chairs, a table and a lamp in one corner. In another group is the Winthrop desk and a chair or two. In another, a tea table and some more chairs. Having broken up the circle we now segregate so that there is a chance to talk and to listen.

This same idea may be used with great success in the out-of-doors living room. Except for the occasional neighborly garden party, this living room is not to be distinguished by a label of voices, nor human voices at least, but rather shall it be a place to listen to nature's voices.

Try the outdoor nursery this summer

Continued from page 206

same amount of leisure. There is also (though this must necessarily be a somewhat expensive innovation) a delightful little merry-go-round equipped with an awning, on the little horses of which the children may twirl around to their hearts' content in the hottest weather by merely touching their toe-tips to the ground from time to time.

The sandbox is almost a playground essential, and may be variously obtained. The simplest and cheapest expedient is to enclose a pile of clean sand in a solid box or fence of wood, which latter must of course be securely embedded in the ground to prevent the sand from working out beneath it. More elaborate are the sand enclosures equipped with a brightly painted awning so that the children may play there even when the sun shines in that particular corner of the playground, and some of these are further elaborated by the alphabet and numerals painted along their sides so that instruction and play may presumably be combined. Another type of sandpile is a box rather than a pile, and consists of a table shaded by another brightly painted umbrella and equipped with four dear little iron chairs, also gaily dressed, which in form suggest those iron ones seen outside Parisian cafés. In the center of this table is a compartment which may be filled either with sand or water, thus enabling the use of boats or of toy ducks and fish where the pleasure of playing with sand falls. For the very tiny child is a kiddie-koope of novel design which has an ingenious set in its opposite side.

While some of these aids to play are high in price none which have been mentioned are prohibitively so and many may easily be made by home talent. The latter may be less fine in appearance but they will not be less enjoyed by their owners, for after all it is not a fine appearance the child craves as much as suitability for his own use. Which two qualities are often entirely distinct in his mind—much more so than they often appear to be to the adult.

Many, too, are the variations of these ideas which may be worked out by an ingenious parent, either in play things or in furniture. A father or mother handy with the jigsaw may cut out the ends of a very pretty bench for the children's outdoor use, and one especially quaint model was inspired by the odd outline of the pergola headboards are picturesque and useful, and these may be scattered about by diving stools and mallets and these there in the playground and nailing inverted chopping bowls firmly upon them.
Reproductions from the most picturesque period in American home life.

The early 17th century in America was marked by little display of wealth. A few families, the Hancocks, Faneuils, Cuylers, Carters, Beverlys, and the Morrises maintained elaborate establishments with furnishings bearing the European influence. However, the great majority of people lived in simple, rugged cabin homes made picturesque with home-made furniture. It is to the reproduction of these types that Stickley shops are dedicated.

Each Stickley piece reproduces in the exact woods and identical finish an Early American forebear. A special process of wood aging further replicates these rare and original masterpieces now obtainable for the modern home.

On display by the better dealers

Tourists welcome at factory showrooms 5 miles east of Syracuse on main highway — Route 5.

Also displayed by Lake Placid Club, Adirondacks

Write L. & J. G. Stickley, Fayetteville, N. Y., for your copy of the attractive Stickley booklet F, mentioning the magazine in which you saw this ad.
is no freakish material; no passing fad or fancy. More and more it is being used in fine bathrooms and kitchens, because it is distinctly superior to any alternative product.

Beautiful—SANI ONYX brings a world of new colors and color combinations. Practical—it does not crack, chip, check or discolor; easy to clean and keep clean; requires no outlay for repairs or re-decoration. Ideal for walls, ceiling, wainscoting, window sills, table tops, dresser tops, lavatory tops.

Send now for a beautiful free book, picturing SANI ONYX installations in full color.

MARIETTA MANUFACTURING COMPANY
230 Brookside - Indianapolis, Indiana

New colors and fabrics in window shades

Continued from page 192

A doll of embroidered wool yarn makes an attractive shade pull for a child’s room. For more sophisticated rooms, laser, glass rings or carved bone in white or color are effective. (Courtesy B. Altman & Co.)

A plain shade requires the greatest amount of study. Like so many subjects it is found not to be so simple as the homely word "plain" might imply. Plain shades are full of all sorts of pleasant possibilities. Window shade cloths have been developed scientifically to do all that window shade service requires and to do it extremely well. Roughly, they fall into two classes, holland, or cambres. More and more it is being used in fancy. More and more it is being used in fine bathrooms and kitchens, because it is distinctly superior to any alternative product.

SANI-ONYX
is no freakish material; no passing fad or fancy. More and more it is being used in fine bathrooms and kitchens, because it is distinctly superior to any alternative product.

Beautiful—SANI ONYX brings a world of new colors and color combinations. Practical—it does not crack, chip, check or discolor; easy to clean and keep clean; requires no outlay for repairs or re-decoration. Ideal for walls, ceiling, wainscoting, window sills, table tops, dresser tops, lavatory tops.

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Even in springtime there is trouble in the Cold Family Robinson household. Mother has been reading the vacation ads. "Bald Eagle in the Worcestershires—let's go there this summer to keep cool," she impulsively suggests to Father, who is buried in a pile of bills. But this is like throwing a match into a gas tank.

"Don't talk to me about keeping cool," he begins, jumping up and pacing the floor. "I want to get warm for once. We were cold all winter. And look at what we've got to pay for coal," he adds, eying the invoices. "Look at these bills for gas and electricity on account of running the oven and the toaster and the waffle iron to try to get warm."

Junior, keeping a safe distance, warily suggests, "We might have brought in some animals. The physiology book talks about animal heat and . . . ." Father's glare warns Junior that he has said enough.

But Maybelle, dressing for a date, is happy at last. Once more she'll be popular. Thanks to the heat of the sun, her boy friends won't be driven away by a cold parlor. The Cold Family Robinson could have had plenty of heat last winter, with less cost for fuel.

If they had only had their heating system installed according to the International Plan!

The International Plan, by cooperation of the International Heater Company and selected dealers, absolutely guarantees adequate and economical heat for every room in any kind of weather.

This Plan gives infallible assurance of efficient, economical service because it covers both the heater and the work of installation. Up to 72° in all kinds of weather for every room is guaranteed with efficiency (not peak) loads.

The use of the International Plan of Complete Heating Systems Guaranteed adds immeasurably to the values of property, whether non-residential or residential buildings. Write for booklet fully describing this Plan.
New colors and fabrics in window shades

Continued from page 210

cloth treated with pyrocyanine. Scrubbed on a flat surface with a brush, soap, and water, they will come out fresh and new and are most decorative and desirable, with unusual light absorbing qualities.

Painted cloths, on the whole, have less translucency than do holland, though in the lighter tones the cambres allow enough light to filter through to be very charming. The amount of light one wants to have penetrate must therefore be taken into consideration when the texture of the shade is decided upon. There are also actually opaque cloths, through which no light sifts. These are more expensive but considered well worth the price if a light colored shade is wanted together with the total exclusion of light without recourse to a double-faced shade with one dark and one light side or the use of a second separate dark shade.

When two-tone shades are employed, it is more for decorative purposes than for light exclusion. Two shades are also frequently used, the second shade to be rolled up close and tight except when in use to darken the room. This gives a chance for the main shade to be as much a feature of the room’s decoration as of its utility. Two-tone shades are found frequently developed in two light colors, one to conform to the color used throughout the outside of the house, the other to give a note that reflects the feeling of the individual room.

Plain shades, in whatever color they are chosen, may have their own small touch of decoration, in the pull used with them. Fancy shade pulls have been returning to fashion for some time, after a period of neglect. They may be charming or amusing, according to the mood of the room. Little wood dolls or figures made from painted leather, for example, are juvenile and serve as an extra toy in the nursery or child’s room. For grown-ups, there are the conservative tassels and pulls that end in all-crochet acorns. The ring pull, whether plain crochet or colored glass, is practical as well as pretty. Sometimes such ring-pulls are of crocheted cord, some introduce color into the crochet by means of colored beads. Mirror-ball balls, silver or iridescent in color, or pieces of carved ivory or bone are other possibilities for the more elaborate room, at the end of window shade cords.

Less interesting but no less important are some of the technical details of window shade hanging. A good economy, though it adds somewhat to the initial cost, is to have the window shade cut from nine to twelve inches longer than the window frame itself. Then, when the lower part of the shade becomes irretrievably soiled, it may in time, the hem can be cut off, the shade reversed and reattached to its roller and slat. By this single investment in extra length, the life of the shade will be practically doubled. The extra length will also prevent the shade from being pulled off its roller, in the effort to pull it down to cover the window entirely. Thus is avoided domestic tragedy.

Festive awnings for any color fancy

Continued from page 191

leaving a solid color in the center of the awning. For some types of architecture such as Colonial and Early American this is particularly attractive.

Because of the constant demand for durability you will find department stores and awning material manufacturers making interesting experiments which protect the consumer from the ever present danger of fading materials. We find that a large New York department store has developed a laboratory where awning materials are subjected to tests of an ultra violet ray machine which is played upon the fabric over a period of time, to determine how much sun the various colors will stand without appreciably fading. Naturally the rays of light to which the material is exposed are concentrated and equivalent to long exposure to the sun. As it is an established fact that the presence of moisture accelerates the fading, artificial moisture has been created under this powerful lamp. One can see readily that all this experimental and research work tends to eliminate the “buying blind” factor which existed for so long a time.

The natural sequence, because of such a constructive sequence, is the protection of the ultimate consumer and the fact that one can buy the (continued on page 215).
Unless You Have An Iron Stag

Leading architects and landscape artists are using the mellow beauty of Pardee tiles to give both gardens and fountains a rich distinction, instead of the drab gravel walks which go with the days of the old iron stag on the lawn.

Just visualize for a moment the warm mellow colors in your garden walks of Pardee tiles—with colors from autumn hydrangea to a lapis lazuli, and a fountain with the silver spray splashing and dancing over the sapphire blue and emerald green tiles, intensified by the shimmering water.

And remember, Pardee faience tiles will be as beautiful in years to come as they are today. For their soft gleam is unaffected by snow, ice, sleet and frost.

The high temperature burning process of Pardee tiles make them scratchless, stainless, everlasting. Ideal for bathrooms, kitchens, hallways, sun-porches, etc.
Adventurous... modern... intriguing... are these creations of Roseville craftsmen. In them you see expressed through fascinating form the appreciation of beauty.

An interesting and new note is that this Venetian sail cloth, in solid colors has been adopted for awnings and lawn umbrellas all along the Mediterranean, as well as being definitely accepted here by numbers of suburban home owners. In many instances one will find the entire exterior color scheme built around one vivid solid color. The predominant note displayed by the followers of this Venetian sail cloth, in solid colors will often find because of the color of the house, or the combination of color and background, that the effect remains cold, whereas with the contrast of warmth in the color of the awnings and general outside dressing, a very beautiful effect is produced.

In choosing your awnings it would be very worth while to take advantage of the experience of people who have made it a specialty of these things, and to consult with your awning manufacturers or a line dropped to any of the outstanding awning manufacturers of one of the many leading department stores will bring very genuine assistance. In most cases they are willing to put the resources of their research departments at your disposal.

We will gladly send you a free copy of the beautifully illustrated booklet, "Pottery". Write for it.

THE ROSEVILLE POTTERY CO., Zanesville, Ohio

ROSEVILLE POTTERY

Festive awnings for any color fancy

Continued from page 214

vivid colors one desires without the fear of their becoming an entirely different tone after exposure to the elements. Working along parallel lines, come the manufacturers of dye stuffs providing a wide range of permanent colors for out-of-door materials. To-day, one no longer need select neutral and seemingly durable colors, but can safely indulge on one’s taste for a colorful dressing of bright oranges, brilliant reds, sparkling blues, or practically any color that will blend with the particular background.

Every traveler is impressed with the unusual effects of colorful awnings and large decorative sunshades along the Mediterranean and Adriatic coasts. Even the Italian and French fishermen have discovered that the sails of their boats are more attractive if they dye them some beautiful soft color. To-day one will find the Mediterranean dotted with sails of light hennas, copper and Venetian reds and golden yellows.

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This chart may be helpful in the choice of color combinations, as one will often find because of the color of the house, or the combination of color and background, that the effect remains cold, whereas with the contrast of warmth in the color of the awnings and general outside dressing, a very beautiful effect is produced.

The warmth complements the other. The natural inspiration (Courtesy Swanfeldt Tent and Awnings Co.)

Full of design and color is the awning for the house of Mediterranean inspiration (Courtesy Swanfeldt Tent and Awnings Co.)
No silverware pattern in history ever scored the instantaneous success that has greeted LEGACY... In the six months since its debut it has broken all sales records.

The reason is delightfully self-evident in the pattern itself. It is the first truly modern pattern in silverware... the first to embody the crisp, straightaway lines of modern art.

New as the latest issue of Vogue or Harper's Bazar in its modernity. But with four generations of 1847 ROGERS BROS. Silverplate artistry back of it. Lucky is the bride who is starting her silver service with LEGACY.
If you live beyond the gas main

Continued from page 194

An installation of this kind, like practically everything else now for sale, is sold on time payment plan, if desired. This gas, as mentioned above, can be used for lighting and for gas-operated appliances now available.

Still another and very old standby is the oil stove. The new oil stoves must not be confused with those of a few years back, for so many improvements have been incorporated in the new models that they are practically equal in performance and appearance to any other type of stove you may employ. These new oil ranges come in all-white enamel, in colors (also in black) and are very attractive to look upon. They have ovens, with temperature indicators and regulators, just like the gas stoves, they are dependable in performance and you can cook in them anything you can cook in a gas or electric range. If you buy a good oil stove you will not be troubled with smoke, soot, or odor. Of course, a cheap range is a cheap range, no matter what type of fuel you employ.

New oil ranges have reversible reservoir, of glass, in which the oil level is always visible, and which can be easily reversed for refueling without soiling the hands and without stopping the burners.

Another new oil range has automatic wickless burner construction and needle valves. There are also models with long chimney wick, in two, three and four burner types. An outstanding feature of these new models is the extra row of cooking holes, doubling the capacity of the stove without increasing the fuel cost. Cooking is started on the front holes, directly over the burners and continued on the fireless cooking holes with the front holes tightly covered.

For instance, a four-burner stove has eight holes, the front ones for quick cooking and the back ones for long-time cooking, where not much heat is required or desired.

Still another manufacturer advertises a stove with a safety feature, making impossible the floating of the oil in the stove. The range is equipped with safety control and even if the generator or burner valves are closed, the fuel supply valve will not operate until the generator is sufficiently heated. If the generator flame is accidentally extinguished, the fuel supply is automatically cut off.

Nor is liquid fuel confined to cooking use only. There are water heaters, a new oil-operated, automatic refrigerator, self-heating irons, radiant heaters, instant-lighting lamps and lanterns, etc. Water heaters may be had for use with standard 30-gal. tanks, using two burners. Another model combines a heater and a 30-gal. storage tank with a thermostatic shut-off, in one complete unit.

Mechanical refrigeration is not necessarily a city convenience only, for in addition to the electric refrigerators available for the gas-less homes, there is also an oil refrigerator, a new product on the market. It is made by one of the largest manufacturers of oil stoves, and is getting a very cordial welcome in the homes of the country.

This refrigerator is powered by heat from ordinary kerosene. It operates on the absorption principle, as differentiated from the motor-driven, compression systems employed in practically all of the domestic type electric refrigerators on the market. This oil refrigerator can be used anywhere, as it is entirely independent of gas or electricity. The only outside connection needed is with the cold water supply line of the water system. It gets its power from heat—from the same heat given in the kerosene burning cook stove. The burners are in a compartment entirely separate from the air-tight food compartment and are concealed from view. All that is necessary for its operation is that once a day the small heating-out door be opened, the burners slid out, and the glass fuel reservoir filled. This reservoir holds about a pint of kerosene. The two burners are lighted and slid back into the cabinet. The burners have asbestos linings and when the fuel, which last about 90 minutes, is entirely consumed, the generation process is completed and the burners go out. “Only once a day,” the manufacturer explains, “you ‘light it and leave it.’” This refrigerator defrosts itself. During the generating process the food compartment maintains its low temperature but the condensing unit defrosts itself.

The food compartment of this new oil refrigerator is of one-piece porcelain enameled steel, with tracks for racks or shelves pressed into it, lining—no screw holes, seams or joints. Because of its rounded corners it is easy to keep clean. The outside of the cabinet is of sheet steel, finished in a gray lacquer, with the condenser or cooling tank in satin-black lacquer. The first model of this refrigerator is made in two sizes for the appearance on the market has a food storage capacity of 5 cu. ft. It is 34 in. wide, 25 in. deep and 41 in. high overall. This refrigerator is made to sell for about $280, f. o. b. factory.

While on the subject of refrigerators, you might be interested in one that may be used anywhere—as the manufacturer expresses it, “in the city home, on the farm, in the summer cottage or in the wilds of Africa” for every incoming water is not required for its operation. It is truly a self-contained appliance, simple in operation. It operates on a non-mechanical principle that is as easy to handle as a tea-kettle. The “refrigerating unit” consists of two large “balls”—“cold ball” and a “hot ball.” (One end of this unit—the “hot ball” is heated once a day on any type of stove. For those who wish it, a special kerosene burner is available. This small stove retails for about $9; with tub stand, about $10.25. The “hot ball” is placed over the burner or on the stove and heated until a whistle blows (after the manner of the familiar steam pressure cooker). It is then removed by its teakettle-like handle and submerged in soft cold water to start the refrigerating process. The unit is then placed in the cabinet and refrigerator starts. In one “ball,” of course, is the refrigerator, tightly sealed. These simple operations take about eight minutes a day and furnish refrigeration for 24 hours or longer. With this type of refrigerator, (continued on page 254)
Study this
CHARMING DINING ROOM ARRANGED BY MARSHALL FIELD & COMPANY

AND FEATURING THE NEW KNICKERBOCKER SUITE ON DISPLAY
DURING MAY BY LEADING FURNITURE STORES EVERYWHERE

The dining room illustrated above was created by the Decorative staff of Marshall Field & Company to illustrate what can be achieved, at very moderate cost, if care and taste are used in the selection and arrangement of your furniture and furnishings.

The Knickerbocker suite, by Berkey & Gay, for which the room was designed, will be on special display during May in leading furniture stores throughout America.

This charming suite is an authentic modern interpretation of the famous Duncan Phyfe style, so highly popular today, as in years gone by, for its graceful simplicity of line and Colonial refinement of detail.

The beauty and value of the Knickerbocker are further heightened by the harmonious contrasting of hand-matched woods and the many commodious drawers and compartments for linen, silver, china and glassware.

Typical, indeed, is the Knickerbocker suite of Berkey & Gay craftsmanship. Inspect it, together with many other advanced Berkey & Gay creations, at your leading furniture dealer's—during MAY. And watch his newspaper advertising for further announcements.

DETAELS OF THE MARSHALL FIELD ROOM

For the Knickerbocker suite, Marshall Field & Company have designed this exquisitely simple and appropriate setting, with woodwork, panelled walls and ceiling in old white; oak finished floor in medium brown; and rug copied from a sixteenth century palace carpet. The glass curtains are extra marquise, with over-curtains of glazed chiffon in a floral pattern of rose and soft green on an ecru background, hung from gilded wood poles with pineapple-shaped ends and held back by mirror glass holders with coont and fluffy tassels. On the sideboard is a Wedgewood Queensware bowl, embossed in Wedgewood blue on deep ivory, with two crystal candelabra and ivory candles. Over the sideboard an eighteenth century flower oil painting, with antique gold frame to blend with the rich colors of the flowers. For the table a beautiful Pointe Venice scarf with sterling silver bowl, hand-chased. Chandelier in dull gold with silk shades to match and chair coverings in green and gold frizee.

For a host of similar hints on interior decoration and furniture arrangement—including a fascinating new chapter on Moderne Furniture—consult the new 1929 edition of the Berkey & Gay "Furniture Style Book," endorsed by the country's leading decorators. Send fifty cents in stamps or coin for your copy.

BERKEY & GAY SUITES ARE PRICED FROM $200 TO $6000

Berkey & Gay Furniture
BERKEY & GAY FURNITURE COMPANY, GRAND RAPIDS, MICHIGAN: FOUNDED 1853
NEW YORK WHOLESALE SHOWROOM, 115 WEST 40TH STREET
Mettowee Stone

in variegated natural colors is now readily procurable from your local building material dealer. If perchance he has none in stock, write us and we will give you the name of the nearest one who does.

Your garden will take on a decidedly “dressed up” appearance this spring with a winding walk of these beautifully colored stones, just as Nature made them. Even when laid as a floor in the conservatory or other rooms the warmth and spirit of summer days is brought into your home and dwells with you the year around.

Send for our illustrated literature "S"

How to make the new window blinds

Continued from page 182

patterns in the batten type than in the panel, for one may saw directly on edges which are to be joined by the cleats. An ordinary compass saw is very useful in cutting out the curves. No great ability is required in its use. Short, quick strokes, with the saw held vertical to the work, enable one to follow curved lines with ease. A coping saw, similar to the familiar jig saw except that it is operated by hand, is a useful tool in cutting lighter panels.

Auger holes permit the starting of the saw within the pattern form if it cannot be started from the edge of a plank. Sharp corners in the design must be obtained by cutting in two directions toward them, rather than in attempting to twist the saw blade past them.

Designs for ornamental motives in blinds are limited only by one’s imagination. The most used patterns are moons, fleur-de-lis, hearts, crescents, ships, trees, candlesticks, or family initials. Individual designs which suggest a character or special interest of the family which dwells within the house, seem appropriate. However, one should avoid the far-fetched or bizarre.

One of the most original ideas on the subject of peep holes in blinds came to light recently in the form of colored glass applied within the openings. When, for any reason, the shutters are closed in front of the windows, the light coming through the peep hole is thus colored as desired, just as with the larger areas of a church window.

To appear conventionally correct, the blinds should be built with accurate, square ends and be lined up exactly with the top of the upper sash and the bottom of the lower sash. Practically speaking, whether they will close accurately and snugly is not so very important, because blinds are no longer used for protection in moderate climates. I have seen them made out of line on purpose to give a “free hand” effect to the house design, indeed so out of line that there was no need to test them to see if they would fit. Even a child could see they would not fit. Nevertheless, the desired effect was obtained.

There are certain very beautiful green paints for shutters, verging on willow or live hues. Chrome colors are (continued on page 224)
Not new . . . Just MODERNIZED!

Lumber, now grade and trade marked for your protection, transforms old-fashioned houses into beautiful, up-to-date homes.

WHAT a contrast! What a startling change . . . all through the use of lumber.

The modernizing of this home was really very simple . . . and surprisingly economical.

Just a few roof line changes. New doorways. New floors, paneled walls, book shelves, kitchen cabinets . . . all of wood. And you have a beautiful house that looks entirely new!

Thousands of old homes, once considered obsolete . . . out of date . . . are now being modernized . . . Houses are given new charm . . . new character. Sales values are remarkably increased, thanks to the adaptability of lumber.

You simply consult your local builder, lumber dealer, or architect. Tell him that you would like to modernize your home.

He will give you ideas . . . work with you . . . help you in every possible way.

Know the lumber you use. "American Standard Lumber from America's Best Mills" is now obtainable both grade marked and trade marked.

If you want ready assurance of standard quality—lumber plainly stamped with the mark of the expert grader—look for the grade mark on each board.

When the "National Tree" symbol, shown below, is also stamped on the board, it is the guarantee of the National Association that the grade mark is correct.

This guaranteed lumber can now be had in every species. Inquire for it of your local dealer when you buy lumber. If he cannot supply you, write us and give his name.

Remember that there's an abundant supply of lumber, relatively low in cost and of better quality than ever.

The lumber industry is becoming a great forest-growing industry. Its raw material—timber—is perpetually renewable. Liberal use of wood is the stimulus to commercial forestry.

Write for further information about these new lumber services. Booklets will be sent you free, entitled "Taking the Mystery out of Lumber Buying." "Transformations of Old Houses," and "Modern Home Interiors." These booklets are full of interesting and valuable information that will be a great help to you when you use lumber.

NATIONAL LUMBER MANUFACTURERS ASSOCIATION

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Offered in New York, Atlanta, Pittsburgh, Boston, Chicago, Indianapolis, Dallas, Memphis, San Francisco, Portland, Ore., Kansas City, Minneapolis, Los Angeles.

THESE 17 great associations affiliated with the National Association maintain particular information and service organizations that coordinate with the general services of the National staff.

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*White Pine, Norway Pine
*Long Leaf and Short Leaf Southern Yellow Pine
*Cypress and Tupelo
*Pondosa Pine, Idaho White Pine, Larch
*Hickory Golf Shaft Manufacturers Association, Memphis, Tenn.
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*Maple Flooring Manufacturers Association, Chicago, Ill.
*British Columbia Loggers Association, Vancouver, B. C.
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*Hickory Golf Shaft Manufacturers Association, Memphis, Tenn.
*American Wood Preservers' Association, Chicago, Ill.

American Standard Lumber from America's Best Mills is now obtainable both grade marked and trade marked.

Grade and trade marked lumber available in these species.

Trade marked lumber available in these species.
in the home. The growing popularity of the country is another excuse for the very small apartment, which may serve as a shelter in town while weekend and summer days are spent in closer proximity to fields and trees.

Business women and bachelors are the staunchest champions of the one-room apartment. They sleep, eat, and entertain within its four walls, and it serves each purpose in turn as though it were created simply and solely for that particular use. Large buildings tower skyward, house-combed with these friendly single cells. The occupants are not evading the responsibility of homes. They have merely learned to evolve a "home" within a smaller compass than their forbears would have believed possible.

Recently, I visited a young woman who lives in one of these great buildings, close by a broad river with window glimpses of cobweb bridges, blurred by the haze of distance. Another outlook revealed a delightful formal garden, an oasis of green in the city's canyons. The inviting living room in this apartment gave no indication that it served as sleeping quarters as well. The casement windows, flung wide to the sunlight, might well have belonged to a country house and the chintz hangings fostered this pleasant illusion.

The room had been painted an unusual tone of blue-green, with a great deal of depth in its coloring. The background of the draperies was the same shade, and the floral pattern was printed in tangerine and apricot with touches of mulberry. Apricot gauze curtains hung at the glass. The simplicity of the hangings (which were made without valances on rods which extended only across the sides of the windows) was most effective.

The carpet, covering the entire floor space of 11 x 22 feet, was black and white. Excellent foil for the vivid tones in the room. Two casement windows faced the river, and the pair on the other side of the room looked out on the street. The rushes that this end was enclosed and used as a window-seat. A small couch on the adjacent wall wore a slip cover of green made with a pleated flounce. Behind it hung a Nundah rug with a beige background on which a pattern was developed in tawny orange, green, and yellow. On either side of the rug was a small hanging book-shelf, one conventional in form, the other rather modernistic. The latter was lacquered an interesting shade of red, tempered with orange which related it to the draperies, and to the piece of resistance of the room, a large club chair, unusually deep and roomy, upholstered in glazed chintz of a tangerine tone, and bound in the blue-green of the walls.

I asked my hostess where she slept, and she opened a closet door and let down a pair of built-in beds whose existence I had never suspected, even from the grouping in the room. Then the owner proceeded to "explain" the other pieces of furniture. There was an interesting old Jacobean piece developed in carved oak. This had once been a child's cradle but had been subsequently mounted on four legs and a stretcher base and covered with a hinged top, making it an excellent receptacle for sleeping apparel. A console table with several drawers was placed close beside a full-length mirror, set in a closet door. The table was used to hold lingerie, while the two small lamps which flanked it made it a delightful living room group.

The desk, also painted blue-green, stood beneath the windows which afforded a magnificent view of the river, and was one piece of furniture which did not lead a double life. Several occasional chairs with rush seats were painted black with a small flower design picked out in gay colors with a touch of gold. A gateleg table was used for impromptu meals, and a smaller edition of the same type, with two drop-leaves, fitted in the space next to the beds and held a lamp, a vanity-box, and a few books.

The room is lighted only by lamps which are the most simple pottery or glass affairs that depend for their effectiveness on color and shape. The grouping of the furniture was so arranged that one room is divided naturally into a living room and bedroom section, although this is not apparent until the finish of the various pieces of furniture have been explained. (The continued on page 220)
Few Guest Comforts are as Important as provision for Telephone Convenience

"A car...guest card at the club...theater tickets...a telephone right here in the room"

Of the many thoughtful things it is a pleasure to provide for guests, few yield as much comfort and convenience as the personal telephone in the guest room. This thoughtfulness for guests has hastened the idea of telephone convenience for every member of the family.

Leading architects are incorporating it in their plans and specifications for new and remodeled homes. Builders, grasping the popularity of the new convenience, are constructing conduits in walls to provide telephone outlets in nearly every room. Owners may then have instruments placed wherever needed. They may also secure such added facilities as push buttons and switches for intercommunicating systems, portable telephones, special bells and lights.

Each new home has its individual requirements and complete telephone convenience can also be added to any house or apartment already built. The Business Office of your local Bell company will be glad to determine which special arrangement is best suited to your own residence. Just telephone them today.
DEVICES FOR AMERICAN HOMES

Conducted By

Shirley Paine

Readers are cordially invited to order any of these devices. Just mail a check payable to Shirley Paine, % Doubleday, Doran & Company, 244 Madison Avenue, New York, and they will be ordered from shop or manufacturer. No stock is carried here and unless otherwise specified transportation charges are collect.

Certainly one of the most practical bathroom accessories. Combines three purposes; saves in screw holes, brackets, etc. Kiln baked china; lasts forever; cleans with damp cloth. A sound value at the price. Holds a tooth-brush, soap, tumbler. In white glaze, $5.75; Nile green, lemon yellow, orchid, light blue, $5.75, including 2 glazed screw head caps and envelope plaster Paris; p'paid, east Miss.

Expelle—vapor in crystal form—penetrates tiniest crevices, permeates all fabrics; harmless to clothing or furs. In cans containing 8 handy bags for use in chests, or trunks; also in perforated cans to hang on wall. Either style $1.10 postpaid. The U.S. Dept. of Agriculture tested it on hundreds of healthy moth worms, all were killed promptly.

A REAL DEATH SENTENCE TO DISH-WASHING (Left)

The very thing for family suppers with theater an hour away. Tray is heavy tin finished in black and gold bird design. Refills are spotless white sanitary paperboard. Room for all the food—a place for butter. Resists grease, meat, and fruit juices, even the cutting edge of a knife. Tray lasts indefinitely. Gift box of 4 trays and 20 refills, $1.50. Extra refills 10 for 25 cents, 25 for 60 cents.

This new grater effectively prevents injuring the knuckles or fingers when grating hard cheese or bread crumbs. If you have ever tried to do a hasty grating job on hard Italian cheese for macaroni you will know exactly what I mean. Merely place a fair sized lump in holder, replace the wooden knob and force down against the cutting edge of the knife. Tray last indefinitely. Gift box of 4 trays and 20 refills, $1.50. Extra refills 10 for 25 cents, 25 for 60 cents.

Left: When shelling eggs for salad a second's pressure on two handles makes an even crack so shells slip off in a jiffy. $1.15. Center and Lower View: Combination wall opener and corkscrew, chromium plated. Works like a charm, never lost. Towel hook below! $1.40. Fiz-Ette corks (right) button and out it comes under pressure. $1.15—all postpaid.

Expelle—vapor in crystal form—penetrates tiniest crevices, permeates all fabrics; harmless to clothing or furs. In cans containing 8 handy bags for use in chests, or trunks; also in perforated cans to hang on wall. Either style $1.10 postpaid. The U.S. Dept. of Agriculture tested it on hundreds of healthy moth worms, all were killed promptly.

Anyone can have a healthy green lawn anywhere. The Fex method is an enamelled brass cylinder 12" long, 3" diam. Into this slips a cartridge of Lawn-Vex, most concentrated fertilizer known, enough for a plot 40 x 60. Equal plant food to 100 pound sack ordinary fertilizer. No odor, no muss; Cylinder, $7.50; Cartridge, $2. Folder.
The sword of Damocles, suspended by a single hair over the head of the luckless banqueter, is a fitting symbol of the uncertainty of pipe that gives only partial protection to your home. For such pipe may fail at any time, ruining walls and furniture with a deluge of water.

“Five Point” Pipe—Reading Genuine Puddled Wrought Iron— is completely dependable. This means that it resists all five of the forces that cause ordinary pipe to fail—corrosion, breakage, leaky joints, “weak spots” and peeled-off coatings. Generations of actual use have proved that Reading Genuine Puddled Wrought Iron will outlast your house!

Untried substitutes, offered at lower prices, are on the market today. Insist on getting Genuine Puddled Wrought Iron—made by the time-tested puddling process which coats every inmost fiber of the pure metal with rust-resisting silicious slag. To prevent error, we place the Reading name, date of manufacture, and our cut-in spiral knurl mark on every length of Reading Genuine Puddled Wrought Iron Pipe. Look for this identification—then you will know you are getting complete pipe protection.
Imagine!--
a Lifetime of Service

The Torrid Automatic Iron gives you exactly the heat you want, at any time, and at all times... Think of it!—low heat for dainty fabrics—medium for ordinary cords... A cool, comfortable handle in Cherry Red, Delft Blue, Woodland Green, or Canary Yellow blends charmingly with bright kitchen color schemes... Yet, with all its remarkable features, this almost human iron is surprisingly low in cost—only $4.95 complete with safety type cooling stand, and bakelite plug... Most dealers carry Torrid Automatic Irons. Other Torrid irons range from $2.50 to $3.60. Send coupon today for free booklet listing twelve exceptional electric appliance values. The Beardsley & Wolcott Manufacturing Company, Waterbury, Connecticut.

$4.95 in an iron that maintains exactly the heat you want

Here's a unique new invention that's going to take a tremendous lot of inconvenience out of ironing day—at the turn of a small red dial, the Torrid Automatic Iron gives you exactly the heat you want, at any time, and at all times... Think of it!—low heat for dainty fabrics—medium for ordinary cords... Any desired heat for heavy homespuns—or any desired heat in between. And, better still, this sturdy iron maintains precisely the right heat for as long a time as you desire... Guaranteed, too. The heating element in the Torrid Automatic is guaranteed not for one year, or two years, but a lifetime! And the special insulated cord will outwear ten ordinary cords... A cool, comfortable handle in Cherry Red, Delft Blue, Woodland Green, or Canary Yellow blends charmingly with bright kitchen color schemes... Yet, with all its remarkable features, this almost human iron is surprisingly low in cost—only $4.95 complete with safety type cooling stand, and bakelite plug... Most dealers carry Torrid Automatic Irons. Other Torrid irons range from $2.50 to $3.60. Send coupon today for free booklet listing twelve exceptional electric appliance values. The Beardsley & Wolcott Manufacturing Company, Waterbury, Connecticut.

Furnishing a one-room apartment

Continued from page 224

arrangement makes for a unified effect, in spite of the triple service which the room renders its owner.

The kitchenette is a large cupboard in the tiny hall which widens into the living room. As its whole interior is visible when in use, its owner has taken particular pains to make it a decorative feature of the apartment. When the doors are flung wide, one sees that the panels on the inside have been lined with a blue and green marine paper in a modernistic pattern of fish, seaweed, etc. The moulding around the panel has been painted the same red as the hanging book-shelf. The older cloth is red, to be changed in time according to the design of the zodiac, printed in gold.

The bathroom is complementary to the living room in color, as the apricot and tangerine shades which have been used for accents in the one are the chief colors in the other. The walls and ceiling are tinted this shade above the white tiling, and little gold stars have been applied to the ceiling. The bathroom accessories combine apricot and green, while a small dressing table in one corner is painted the same blue-green as the living room. Many rooms require a good deal of study before they can be made to perform all their functions as adequately and attractively as this has the room. The first step in the right direction is a list of your requirements. Do you want a folding bed or do you prefer a davenport, if your apartment is not supplied with a built-in bed? Would you rather have a day bed? Is your closet a potential dressing-room or is your bathroom large enough to serve this purpose? If neither of these arrangements is possible, what pieces of furniture would you select which are suitable to a living room and might also contain your personal belongings and your toilet articles?

Your personal belongings must determine most of these questions, but there are certain general rules for one-room apartments that will help you out of the drop in the hat. Whether you choose colors but select schemes that would be suitable to a living room. For instance, pink and white are nice cool colors, but pink and hyacinth and yellow are a combination that is attractive, and deep ivory with orange and brown has been used with great success. Folly curtains, lace spreads, and draped dressing tables are banned in a room of this type. Lamps should not have frilly shades, and all dressing table paraphernalia must be carefully concealed.

If you intend to use your closet as a wardrobe and bureau, the closets are being a wide variety of attractive contraptions that help to utilize every inch of space. Small chests of drawers covered drawers will serve for lingerie and for miscellaneous articles of apparel. A rack on your closet may hold all your shoes, thus leaving your shelves free for decorative sets of matching boxes which contain hats, gloves, stockings and ties. Your bathroom may have sufficient space for a dressing table or a small vanity. In any case, your toilet articles can be kept there, in a medicine cabinet or on hanging shelves. If you have no private bath, attractive large boxes, which have a mirror inside the lid and are often ornamented with old prints, may occupy table space in your room without adding the fact that they contain comb, brush, powder, and other necessaries.

You may have your choice of a bed which turns into a desk, a davenport which opens out to do adequate night service, or a day bed which requires little juggling when you are very tired and anxious to retire with all speed. If you use a day bed, place it against a wall and see that it is covered in a suitable living room fashion and not arranged in organdie or lace. Bolsters and cushions along the wall chairs help to conceal its true purpose. I have seen velveteen and cotton damask employed to good effect as covers. Since your davenport serves as both, during the day, the material selected should be durable as well as attractive.

A secretary which you have a varnished, lacquered, or painted finish is a clever piece of furniture for the one-room apartment. The upper section may contain books, the desk can be used for writing, and the drawers, which are apt to be commodious, may hold wearing apparel. A stencilled chest is another good selection for the living room-bedroom. It should, of course, be topped by a pair of lamps, candlesticks, or vases, so that its true function is not too apparent. The regulation bureau or chest of drawers which hold toilet articles will serve as a bookshelf, and your daybed serves as a couch during the day, the material selected should be suited to the living room aspect of your quarters.

You may have two comfortable upholstered chairs, covered in fabrics that show due regard for your window draperies. Are necessary. A few straight chairs are always useful, but the number of these will be determined by the size of your room and the figure of your body. A folding variety is an excellent choice for a room of this type. By this, I mean a French, French bed that opens out completely for a bed. These do well for occasional informal parties and do not occupy space when no meals are being served in the apartment.

Speaking of food, the room that has no kitchenette may acquire a very marvelous little table that is porcelain-lined and equipped with such conveniences as percolator and toaster. When it is shut, it appears to be an ordinary living room piece of furniture, but opens out completely for cooking and serving, and even contains small drawers for the limited quantity of silver and linen.

A clever substitute for a dressing table is a French provincial or a painted "vanity," which is a decorative small table when closed but conceals a large mirror in its lid and has the appearance of the small apartment. There are other ingenious devices on the market which fit under beds or into odd corners, and are designed to hold the overflow from bulging closets without marring the appearance of the small apartment. It is being exerted in all directions to make our room do the work of the three effectually and attractively.
A FUEL BILL TO BE ENVIED

"You may be gratified to know that I am much pleased with my Spencer Heater. The cost of my coal during the past year was $80. 'You have a fine product and you ought to be proud of it.'

—Harvey C. Bickel, 110 E. Lexington Ave., Baltimore, Md.

THE UNNECESSARY PART OF YOUR PRESENT FUEL BILL

"...would buy you a SPENCER

Suppose that you could stand all day, and all night too, before the heater in your basement. Suppose that you could know each exact moment that the fire needed another ounce of fuel, and you should toss it on. It would catch fire at once with no smoldering and smoking. Then do that over and over again, feeding one small bit of fuel at a time, and you would approximate the efficient way in which fuel is fed by its own weight from the Spencer storage magazine.

Yet even that would not show why the Spencer can save as much as half your annual fuel bill. Until the Spencer was invented, man knew no better way to make heat than by burning large size fuels on flat grates. Your flat grates won't burn small size fuels efficiently. The Spencer sloping Gable-Grate will. It allows fire to burn up-hill, the natural way. The self-feeding feature of the storage magazine keeps the fire bed always uniformly thin. That gives a better, more efficient fire with small size fuels than flat grates can with the large domestic sizes.

The simple reason why a Spencer can save as much as half your annual fuel bill is because it burns these small size fuels. For example, No. 1 Buckwheat anthracite costs an average of half the price of egg, stove and nut sizes. Yet you are not restricted to any special fuel. In Spencer Heaters you can burn No. 1 Buckwheat anthracite, coke or graded bituminous coal.

You have thirty-two years of successful use in thousands of installations as the practical experience back of the Spencer Heater of today. Even at first when sales were limited and costs high, property owners demanded the Spencer for its proved savings. As sales grew, costs came down. Today, with tremendous factory facilities and large production, even the Spencer first cost is little higher than that of ordinary heaters.

For any home or building, from bungalow to skyscraper, a cast-iron sectional or steel tubular Spencer will quickly pay for itself in fuel savings. After that it keeps on earning, by saving as much as half your annual fuel bill year after year.

SPENCER HEATER COMPANY

Division of Lycoming Manufacturing Company
Williamsport, Pa.

★ The Spencer scientific principle

Once a day, fuel is put into the magazine (A). It fills the storage space to the level of the magazine mouth (B). As the surface of the fire bed (C) 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. Write for the Spencer Book, "The Fire That Burns Up-hill." It explains the Spencer scientific principle in detail.
For new roofs or reroofing consider lasting Leadclad

Give your home permanent protection against decay and costly upkeep with a Leadclad roof. Leadclad is copper bearing steel on which is fused PURE LEAD, the most lasting of metals. Leadclad is strong, light and lasting. It makes a fireproof, lightning proof roof. It is formed in Spanish tile, shingles, flat and corrugated sheets, roll roofing, V crimp, standing seam as well as gutters, conductor pipe and a complete line of roofing accessories. For any style of roofing there is a Leadclad product. When you build your new home or reroof your present one, buy Leadclad—it’s a safe investment.

Leadclad copper has a base of pure copper which is jacketed with a coating of PURE LEAD. It is the most lasting roofing material you can buy. Weather to a beautiful stonelike gray. Impervious to smoky, acid atmosphere. Rustproof.

A few dollars more now will save you many dollars in upkeep costs

It only costs one half of one per cent more to equip your home with Leadclad copper gutters and conductor pipe. For this small amount you get the permanent protection of Leadclad Copper—an insurance against frequent repair bills and rapid deterioration.

WHEELING METAL & MFG. CO.
WHEELING
W. VA.

A COMPLETE LINE OF GENUINE LEADCLAD AND APEX GALVANIZED ROOFING MATERIALS

WHEELING METAL & MFG. CO.,

Gentlemen: Please forward a copy of “Defying Age and Time” and facts about Leadclad. Yours very truly,

Name
Street
City State
"...Home, the spot
of earth supremely
blest,
A dearer, sweeter
spot than all the
rest"

THE CASTLE of CONTENTMENT in the PRINCIPALITY of LOVE!
The sweet visions of this happy Wedding Day hold the dearest dream of all...the age-old dream of youth and love!...The Dream of Home!...trysting place of hearts and hopes united...that Castle of Contentment which a man protects...that Principality of Love in which a woman rules...but even married couples must be practical...winter months follow the Wedding March...home must be made secure against the rigors of storm and cold...cheeks that glowed with health in June must not languish for warmth in January...suffering must not dim those eyes that now sparkle with love...give your home, however simple or however fine, the blessings of radiator heating...Marriage is the promise of Perpetual Happiness...American Radiator Heating is a Wedding Gift of Perpetual Summer!

If you will sign your name to this page and send it to the American Radiator Company, 40 West 40th Street, New York, N. Y., we will send you particulars of our convenient plan by which you may have your home heated by an American Radiator Heating Unit at less than $75 a room! • You can own the home of your dreams. Consult your local Building and Loan Association; let them show you how. There is no obligation whatever.
How we built our log cabin

Continued from page 250

wood price. Before plastering we scraped the rougher bark off the logs with a hardwood stick.

Our next problem was the plastering and this was not so easily solved. After asking many questions and after numerous visits to dealers of building materials, we finally decided to use regular wood pulp plaster for the inside, and stucco cement for the outside. The plastering materials which we chose were put up in sacks. All we had to do was to mix them with water to the proper consistency.

As was mentioned before, we had left about an inch space between the logs. This we roughly chinked with long strips of wood obtained from what was left from our logs. To keep the chinking in place, we drove nails on each side (Fig. 6). This method worked very well, for it gave a better hold to the plaster than the round logs would have done. We mixed the plaster thin enough so that it could be forced in through the openings and around the nails. After having filled every crack and crevice from both sides, and after having plastered up the opening where the logs butted up against the chimney, we chinked and plastered up the space where the roof and the walls meet. We learned later that cabins in some localities are chinked with moss. This, however, is not a good method, as the job has to be gone over every year because the birds and mice use the moss for their nests.

Our plastering job has stood the test of time. It has not given us any trouble for five years and seems to be good for many more. We found the plastering to be much more fun than chopping and lifting logs.

Laying the floor was also a problem. This was solved only after a lot of figuring and arguing. We laid a square timber down through the center of the cabin for the joists to rest upon, allowing, of course, for the height of the joists which were 2 x 6 inches.

The square timber was set upon corner posts, which were placed about 2 feet into the ground. Then we spiked together four sections, as shown in Fig. 5. One end of each of these was spiked against the sill logs, while the other end was placed on the center timber. No doubt better ways of supporting the floor could be figured out, but we have a fine solid floor which answers all purposes. We used matched 3-inch yellow pine for flooring. This was given a coat of stain and was then waxed. We made the stain by mixing wood ash into linseed oil.

The doors were made of matched porch flooring, each board having first been chamfered. We wanted to use planks at first, but were afraid that the doors would become too heavy.

Our cabin is divided into two rooms, the room with the fireplace being the living room, and the other being our artcraft shop.

Furnishing a cabin is lots more fun than building one, although I must say that I was a bit perturbed with indigestion the year we built our cabin, and I enjoyed every minute of the time I put in on the job.

If you live beyond the gas main

Continued from page 218

This solid fuel is ideal for use while traveling, especially in motor travel, as a cup of tea can be made easily in some lovely woodland spot along the way, or baby's bottle can be warmed. For instance, the top of the stove provides a warming shelf and always a problem when away from home and city conveniences. It is also of great service in summer travel, especially in motor travel, as a cup of tea can be made easily in some lovely woodland spot along the way, or baby's bottle can be warmed.

Several utensils are offered for use with this fuel, among them being a folding 4-footed stand which serves as a hot plate for heating liquids and foods. It is made to hold a small saucepan. There is a small Florian with detachable handle, a very useful traveling companion) also a cup for heating water, a special cooker for eggs and tea, a baby bottle warmer, also a candle for sealing, fine soldering work, etc. The fuel is sold in packets of fifty tablets.

This is the kerosene, gasoline, and alcohol stoves, in small size, for convenient transportation to the summer camp. One of these little stoves is so designed that it will do what often requires a two-burner stove. For instance, the top of the stove provides a warming shelf and the oven provides a hot surface that will operate a percolator while baking. The oven provides a hot surface that will operate a percolator while baking.
VIEwed as a national shrine, the home of George Washington inspires deep reverence.

Regarded simply as a distinguished country estate, Mount Vernon delights the eye with the dignified beauty of its buildings, the serenity of its natural setting.

Today the proud task of perpetuating this national monument—the high privilege of maintaining and enhancing its classic charm—is shared by a distinctive painting finish, Outside Barreled Sunlight. Garbed now in this whitest of all whites—glowing with a luster unmatched for soft richness—Mount Vernon fairly sings out with new beauty.

In the past twelve months, homes of distinction the country over have been painted with the new Outside Barreled Sunlight. Their owners are delighted—painters enthusiastic—neighbors admiring and frankly curious. All declare that Outside Barreled Sunlight is whiter than any paint in their experience.

It is the crowning achievement of twenty years' specialization on white paint exclusively. The gratifying result of our fixed determination to produce the very finest exterior white paint that we could make.

Outside Barreled Sunlight costs a few cents more per gallon, but in addition to greater beauty it has extreme durability. So even-wearing, it is in good condition when repainting becomes desirable.

Mail the coupon for free booklet, "The Whitest White House in Town."

U. S. Gutta Percha Paint Co., 7-B Dudley Street, Providence, R. I.


The twin products for cleaner, more beautiful homes—inside and out

Outside Barreled Sunlight is made by an adaptation of the exclusive Rice Process which perfected Interior Barreled Sunlight, the satin-smooth, dirt-resisting paint enamel used on walls and woodwork in thousands of fine homes. The new product is in every way a worthy companion of the old.

Both forms of Barreled Sunlight are sold in cans of all sizes, 5-gallon buckets, and large drums. Extremely easy to tint with oil colors. Quantities of 5 gallons or over tinted to order at the factory without extra charge.

OUTSIDE

Barreled Sunlight

About FUEL — you will agree

For every system—warm air, steam, safety. There is NO Substitute for SAFeTv.

The Electric Furnace-Man

AFTER ALL, it's the fuel that's the most important. Investigate! Make certain that you install no automatic home-heating system until you are convinced that the fuel it uses is absolutely safe.

About ANTHRACITE you don't need to have the slightest concern. Everybody knows it is safe. But we do ask you to thoroughly investigate MODERN AUTOMATIC ANTHRACITE which is completely solving the heating problem of the home owner.

Here is a scientific development that is worthy of your fullest confidence. Time-tested—no uncertainty about it. Its EFFICIENCY and RELIABILITY—proved beyond all doubt by thousands of installation records—will give you a new conception of heating comfort.

AUTOMATIC ANTHRACITE is not the name of a product merely. It is more than this. It stands for a principle—a modern heating SERVICE above reproach and beyond comparison. It is not only the latest, but the ultimate, method for providing uniform heat with efficiency, cleanliness and safety.

For every system—warm air, steam, vapor and hot water

The name of the device which makes ANTHRACITE the MODERN AUTOMATIC FUEL is the ELECTRIC FURNACE-MAN. It burns Buckwheat or Rice sizes—feeds it as required to the firepot—consumes the distilled gases as the coal is forced UPWARD—converts all the fuel into useful UNIFORM HEAT—and, finally, removes the ash into a dust-tight container outside the furnace. There is no waste—no smoke, smudge or odor. It is clean, simple in operation, and dependable. Can be installed in a few hours. Begin now to enjoy this modern heating comfort while there is still need to keep your furnace going.

Deferred payments if you prefer.

Patented Product of DOMESTIC STOKER COMPANY

Gillespie Bldg. Seven Dey Street, New York

[Mail coupon to above address]

Camping equipment for your vacation

Continued from page 195

The forest cruiser would be wise to supply himself with a supply of dehydrated vegetables, dried fruits, beet cubes, malted milk tablets, powdered milk, powdered coffee, and tabloid tea before he ventures into the wilderness. For nourishing and appetizing food is a necessity if his trapping is to be a pleasure and not a punishment. Yet nobody wants to walk with a heavy load of groceries slung on his shoulders. Too many nomad campers carry along bacon, which is quite heavy, and canned foods. The dehydrated vegetables are quite as palatable and wholesome as canned ones, yet they weigh almost nothing; the camper must soak them well before cooking; powdered coffee and tabloid tea are much lighter to carry than regular tea and coffee, yet yield beverages every bit as stimulating and appetizing.

The automobile camper has an easier time all around, and can take along more comforts, even some amusements, for there are several kinds of compact portable radios, phonographs, and games.

In the first place, if he means to avoid the regular camps where thousands of many types strike on his shoulders. Too many nomad campers carry along bacon, which is quite heavy, and canned foods. The dehydrated vegetables are quite as palatable and wholesome as canned ones, yet they weigh almost nothing; the camper must soak them well before cooking; powdered coffee and tabloid tea are much lighter to carry than regular tea and coffee, yet yield beverages every bit as stimulating and appetizing.

Deferred payments if you prefer.

Patented Product of DOMESTIC STOKER COMPANY

Gillespie Bldg. Seven Dey Street, New York

[Sell demonstration in our show room. Fill in and mail coupon for unusually interesting book]

[Mail coupon to above address]
WITH WINDOWS STRETCHED WIDE TO DRINK IN THE SPRING DAYS

This year, thousands of new homeowners who have built during the fall and winter are enjoying the spring charm and the conveniences of steel casements for the first time. By May, the whistling winds and the swift showers have gone. New leaves whisper on branches. Even the houses stir to new life. From their snug walls, casement windows open like hungry little mouths to drink in the fragrant airs of spring.

These modern windows are most adaptable to the changing seasons. During the warm-weather days, they collect the elusive breezes, and send them scampering through the house. Against the assaults of an impetuous summer storm, they remain water-tight. They are equally effective against the penetrating cold and damp of winter.

In the Lupton Residence Casement, the steel window finds its highest development. Both in their design and in their improvements, Lupton Casements are the product of 58 years of leadership in the steel window business. Slender steel lines divide the panes of glass, and give an effect of exquisite daintiness. Yet frames are solidly welded, and as strong as only steel can be. The new Lupton friction-hinge makes operation smooth and soundless. Lupton Casements will not warp, stick, or chatter in a high wind. They can be cleaned on both sides from within the room.

By the manufacture of a variety of standardized sizes, Lupton has been able to bring the price of the steel window within reach of even the small home. We have published an interesting booklet, "Better Windows for Your Home," which is packed with practical suggestions on designing and decorating the window in the modern home. May we send you a free copy? David Lupton's Sons Co., 2267 E. Allegheny Avenue, Philadelphia, Pa.

Lupton steel casement doors bring light and comfort to this dainty boudoir.
Camping equipment for your vacation

Continued from page 236

Cooking utensils that come in sets or separate pieces are the ones that are most practical on a vacation, especially a short one. Compacters are far better than pots and pans, skillets and coffee pots. Coffee pots are the most essential item. One coffee pot and a coffee maker are all that is needed.

The permanent camp, if quite primitive, may be equipped with the simple and compacting articles already described. suitability of the campsite is simplified if the equipment is somewhat elaborated. It's really not easy to pack for several persons over one or two tiny burners or a too-small grate, and since campers always seem to have ravenous appetites, one should be prepared to keep the campers well fed. This is especially important where the water is not available or the water supply is limited.

Toys are essential. A small refrigerator is very helpful, especially when the children are going to be in the camp for a long time. A small personal refrigerator is available, and it can be used for keeping milk and other perishable items fresh. The American Home, August 1923.
A Safe, Attractive Roof Adds Value To Your Home

Whether you’re planning to build or modernize your home, there’s always the possibility that you may want to sell it in the future. You may want a larger house, or circumstances may force you to put it on the market.

Whatever the reason, you need a salable house—and only a house built of the best and most enduring materials—particularly the roof—can be sure to bring a good price in after years.

Then, too, during the years you hope to enjoy that home, you need the greatest protection, beauty and economy possible. You get all these qualities in a roof of AMBLER ASBESTOS SHINGLES.

Put them on your roof when you build and they will serve you well as long as the house stands. They are safe, for asbestos cannot burn; they will endure, for their base is cement, which hardens with the years; they are attractive, either in color blends chosen from the many hues available, or in solid colors. Any combination may be chosen to suit your taste.

If your home is protected with AMBLER ASBESTOS SHINGLES it will never need another roof. Neither will you have to worry about repairs or paint on this material. Isn’t that argument enough to convince you that here is the ideal roof?

Tear off the bottom of this page and send to us to obtain an attractive leaflet describing three types and seven colors of AMBLER ASBESTOS SHINGLES.
Serving breakfast without a maid

Continued from page 193

With a Wickwire Spencer Chain Link Fence protecting your grounds, a gentlemanly request for lost baseballs is tendered via the gate. Your property is no longer a pre-empted ball park; your flowers and shrubs may grow untrampled.

Wickwire Spencer Fences are sold either as material to be erected by your men or as completely erected fences set by our own experienced workmen. These fences while inexpensive are sightly, strong and permanent.

We have a representative near you. Write the home office for details.

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

Making the most of your dining room

Continued from page 180

Without host or hostess once getting up from the table.

When the fruit course is finished at breakfast the bowls and their saucers are removed from the table to serving table or tea wagon. They may be passed from one person to another as to where there are children, they may be taught to serve.

Now then is a service plate before each person, and there should be a pile of warmed plates on the serving table or tea wagon at the hand of the one who is to make and serve the next course.

The hostess (supposing the host is going through the whole business) takes a warmed plate from the pile and places it before her, removing the service plate to the wagon or serving table. When one waffle is done she will lift it onto the plate ready for it (the square one in the picture) and pour more batter on the griddle. She will then divide the waffle into quarters, and place one quarter on the warmed plate before it, with a sausage or two, and pass it to the neighbor. The service plate which is exchanged for this will be placed with the first and the serving plates. Plates may be sent back to the hostess for replenishing.

The coffee, service, sugar and creamer, cups and saucers, are placed, when the table is laid, at the right of the one who is to pour. Spoons are placed in the saucers, not on the cloth. The pot or percolator is brought on when the family sits down.

The coffee is preferably "trimmed" as it is poured, cream and sugar in the cup, before the coffee is poured, and each to individual liking. It is then passed from hand to hand.

Having service plates is a pleasant little form that adds a note of formality and correctness to any table. A "cover" empty of plate, and bounded only by cutlery gives an unfinished look to the table. The service plates need not necessarily be like the set of dishes used. Any fancy or pretty plates will do.

Passing plates or cups down the table, or back to host or hostess for replenishment is not a formal way of serving meal but it is a perfectly correct way, and is infinitely better than to have the hostess jumping up and down to her own unrest and the embarrassment of her guests.

Every detail. The Victorian age must have produced a stronger nervous system than ours.

Of course, if the dining room is waiting to be furnished and one must be practical, there are other things to think about before the flowers and the pewter. A table and six chairs and a buffet do not make a dining room, but one must certainly have them among other things. Moreover, the style of the furniture must decide many details of the decoration. With the present vogue for English and Colonial architecture there is a demand for our early American furniture which now is reproduced for us with faithfulness of materials, design and craftsman-
"Comfort costs less with a Newport! Our Architect was right"

WHEN we began to build our home," said the vivacious young matron, "Fred thought the Architect's fee a needless burden. But now he swears by our Architect because, among many other things, he specified our Newport Boiler. It keeps the house cozy all winter without much care and Fred delights in telling our neighbors that he pays $6.00 less per ton for the fuel we use."

Architects, veteran heating contractors, and thousands of home-owners recommend the Newport, the residence heater which in the past 15 years has become the accepted standard for the most modern, easiest and cheapest way of heating.

The Newport gives you better-than-ordinary service because of its better-than-ordinary design. Its magazine feed ensures healthful, even heating with negligible boiler attendance. In average winter weather you need fill the magazine but two or three times a week. (See diagram at right.)

Even more vital to the family man with many financial obligations is Newport economy. Utilizing No. 1 Buckwheat and adaptable to several other cheap fuels, a Newport will positively reduce the annual fuel bill 30 to 50%. The Newport truly gives you real comfort at lowest cost!

When you come to equipping the new home you're building or making improvements in your old house, be absolutely sure you have all the available heating facts before you buy a heater. Recognized authorities advise you to select a Newport. Send for our latest booklet. (Coupon at right for your convenience) and judge for yourself.

NEWPORT BOILER COMPANY
Division, Hart-Parr Company
529 So. Franklin St., Chicago.

A size for every need, Bungalows, Homes, Apartments and other buildings, Steam, Vapor or Hot Water systems.

MAGAZINE FEED

THIS diagram shows the unique magazine-feed principle of the Newport Boiler. You fill the magazine never more than once a day... usually two or three times a week, as the weather requires. As the fuel burns away at the bottom gravity feeds more coal from above. An even fire-bed is maintained.

Successful heating for 15 years. Thousands of satisfactory installations have proven the soundness of Newport magazine-feed-heating.

Your own heating man makes the installation.
NEW YORK --565 Fifth Avenue

A Heater in Winter

Do not order any heating equipment until you have investigated the Kelsey Warm Air Generator. It is the heaviest and, we believe, the most efficient and economical heater on the market.

Its heat is comfortable and healthful because it delivers such a volume of warm (not hot) air into every room and keeps it constantly circulating. The air is never dry because the automatic humidifier adds exactly the right amount of moisture to prevent irritation of the throat and nostrils.

But did you know that the same device which keeps you warm in winter will also keep you cool in summer, without any additional equipment whatever? You simply set the thermostat and out of every register comes a current of fresh, clean, cool air which effectually banishes forever the dreaded stifling days and nights of unpleasant memory.

For solid comfort all the year round you need a Kelsey.

Our booklet: "Kelsey Health Heat" will tell you all about it.

A Cool Air System in Summer

also be found to-day, of those exquisite stoves praised by the famous English cabinet-makers of the 18th Century. If the sum allowed for dining room furniture is under five hundred dollars, it will pay to look at some of the modern maple pieces, for there is no more warm and cheerful wood tone than this and the simple forms and solid construction of Colonial times are being repeated. One shop shows a set of table, side chairs, serving table and a spacious chest of drawers which would be charming for small dining room or dining alcove, in finely finished maple, all for $400.

The same things in mahogany are considerably more expensive, although mahogany-stained pine is sometimes made in good designs. A very lovely little table (and a butterfly table at that) may be had in maple for about $28 while pleasing copies of old tables in walnut cost but a little more.

If the home owner happens to be a craftsman, and knows how to handle his paints, he will surely be interested in the unpainted furniture which is made to-day, with the controlled lines and careful construction of many finely finished pieces.

When the furniture has been selected, it is then easy to decide about the walls. For a number of years it seemed that plain plaster was the accepted background for everything. It is no wonder that the public finally rebelled against the papers offered them a couple of decades ago. For years those appalling, turbulent walls got by somehow, as one of the inevitable facts of life. Then someone discovered that plaster was more pleasant to look at. Plain plaster walls today contrasted by a number of interesting surface textures and subtle tints but the fad for them has given way to some extent with the advent of beautiful and inexpensive wallpapers.

A manufacturer recently claimed that he had lovely flowered papers for only 12 cents a roll, could paper a room for a dollar! Investigation showed that this was indeed a fact. The 12 cent papers were in pleasing pattern, quite different from those at the same price—years ago, when brilliance and fussiness were supposed to make up for whatever else might be lacking in design.

Scenic panel papers with their pleasant effects have found a way into the average homes of to-day for some of the modern reproductions and original designs are very reasonably priced. Among the modern designs, one of the most interesting is a colorful undersea impression by Hoffman. This type of wall decoration is especially adapted to the dining room, for a well chosen landscape will do much to increase the apparent size of a small room, or a bird and flower motif will bring in that out-of-door atmosphere.

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But a suggestion of their beauty has appeared even in the least costly of the modern product. Scenic panel papers with their pleasant effects have found a way into the average homes of to-day for some of the modern reproductions and original designs are very reasonably priced. Among the modern designs, one of the most interesting is a colorful undersea impression by Hoffman. This type of wall decoration is especially adapted to the dining room, for a well chosen landscape will do much to increase the apparent size of a small room, or a bird and flower motif will bring in that out-of-door atmosphere.

The subject of dining room floors is one on which several pages might easily be written. Composition floor-ings have been developed to a point where they offer an attractive alternative to hard woods in many styles of rooms. Linoleums, cork composition and rubber tiles, are made in beautiful designs, plain colors and marbleized effects, some of them scarcely distinguishable from tile or marble, all most pleasant under foot. Floors of this type are particularly practical in the dining room, for they may be used without rugs to solve problems both of expense and sanitation.

Remember the new lighting fixtures that for a small sum can transform this room. Try the effect of a corner cupboard filled with colorful glassware, china or pewter. An old plaster over the side table, or a mirror can change the tone of a whole room as can also a few pots of trailing ivy beside the windows.

The American Home

A Heated dining room is a source of constant comfort to the family.
To keep fit—reach for a Lucky.

From actual experience with American Veterans in the Expeditionary Force, I found that cigarette smoking quieted the nerves and that Lucky Strikes were as necessary as food for the soldiers in the battle zone. Physical fitness is as essential in public life and business as it is in football or in the Army. To keep fit, reach for a Lucky instead of a sweet.

HAMILTON FISH, JR.
National Legislator and Public Official

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."

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 confirms in no uncertain terms 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."
Perhaps you have heard them, the tales of ancient Sardinia ... sparkling with the audacity of her brigands ... glowing with the brilliance of her religious festivals ... all tinged with a gorgeousness of color—the rich, vibrant color that is her true personality ... they have been famous for centuries. Today these same captivating colors are found in the newest Orinoka drapery fabric—"Carnival Chenille." It makes draperies that are gay with the radiance of Italian sunshine. Upon a linen-colored ground, chenille threads in perfect Sardinian colors are woven into a smart, square design.

THE ORINOKA MILLS, 215 Fourth Avenue, New York
Please send me, without charge, the new 24-page Orinoka booklet, "Color, the Secret of Well-Furnished Homes."

Name. Street. City. State. 1416

Guarantee: These goods are guaranteed absolutely fadeless. If color changes from exposure to sunlight or from washing, the merchant is hereby authorized to replace the goods or refund the purchase price.

This fabric is especially effective in a sun-room, for light brings out the splendor of it. And then, because it is sun and toldfast, neither the brightest sun nor washing will fade it. The colors are so nicely varied and the design so simple, that they blend, perfectly with other furnishings. The texture is fine and sturdy.

Ask to see Orinoka Guaranteed Sunfast Carnival Chenille, No. 2886. If you will mail the coupon below, we shall be pleased to send you a copy of the Orinoka booklet. It is full of practical suggestions for draping windows, and illustrates room interiors and new fabrics in full color. It is free.

The Colors of Carnival Days in Romantic Sardinia are guaranteed fast in this new Orinoka Drapery Fabric of Variegated Chenille.

How we built our house
Part 5—making the plans

As told to ROGER B. WHITMAN

S E V E R A L things were settled before we turned to the plans. We needed three bedrooms and a main hall; we wanted an entrance hall and good hall space upstairs, big closets, a pantry, and with the view where it was, the living room, the sun porch and the main bedroom should face it. We were not able to draw plans that would show the exact location of everything, and if we had tried we would probably have left out the stairs or made some other bad break. As it was, I made a rough sketch and the contractor worked out the details. We talked things over with him, of course, and in the end he gave us exactly what we wanted.

In style the house was English, with tan stucco walls, an unevenly laid slate roof, and very little exterior woodwork, stained dark. In shape it was square; somewhere or other I had heard that that shape was the cheapest to build, and while an oblong or a rambling house might possibly be better looking, we were so short on that that we could not go the higher cost.

The front entrance led into a vestibule and that into the stair hall, which had a door to the kitchen and an arch to the living room. That room was 13' 6" by 18' with a stone fireplace in the center of one side and a group of casement windows 8' wide in the end overlooking the valley. The corner of the first floor was a sun porch 10' square, with a casement into the living room and double French doors opening from the dining room.

The pantry was across the end of the dining room; it was 4½' wide, with a broom closet at one end and the rest mostly china closets. The kitchen took up the rest of the first floor—it was 7' by 11' 6"—and faced south, and every inch under a group of casement windows 5' wide. If we could have afforded it, we would probably have tiled the kitchen, but it is remembered for the cleanliness of it; but the best that we could do was to put a tile floor under the range two feet wider on the front and sides and to tile the wall behind.

On the second floor there was a hall 17' long and over 6' wide at the head of the stairs, with a window at one end. People used to tell us that it was a mistake to have so much waste space and that larger beds should have been better; but we didn't think so. We liked the effect and airiness of it, and used the wide part of the hall for an upstairs sitting room. At that, the three bed rooms were not so small; one was 13' by 14', and the others 12' by 15' and 9' by 13'. For economy we had only one family bath room, opening off the hall; but there was another much to the side of the maid's room in the attic and a lavatory downstairs, which was all of the plumbing that to a showroom where we found large oblong tiles with rough surfaces and in shadings of green. These were laid on the walls 4' high, with the towel rods, soap holders and other fittings built in.
The critical hostess may choose Watson Sterling, purest solid silver tableware, with utmost certainty that its beauty and charm are authentic and smartly correct. The exquisite designs shown here were approved and judged supreme by thousands of women voting from every state and abroad. Like many other modern hostesses and brides-to-be, you may wish to purchase out of income. We shall be pleased to assist you, making all arrangements through your favorite jeweler. Please fill out the form below and mail it to us.

**To the Watson Company, Attleboro, Mass.**

**My name is**

**My address is**

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**My favorite jeweler is**

**I would like to have**

- ( ) particulars of your convenient payment plan whereby I may obtain a service of Watson Sterling (solid silver 925/1000 fine) for ( ) $65
- ( ) $150
- ( ) $295
- ( ) $750
- ( ) A specimen spoon in the design to examine at home.
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(.... dispose of sanitary pads truly as easily as tissue.... wonderful new toilet.... Improved Madera.... designed for needs so different today.... sanitary pads won't stop it up.... specially large trapway.... very powerful siphon-jet flushing.... quiet.... never hear it beyond the bathroom door.... made of the most beautiful china called Durock.... just wiping with a cloth keeps it spotless.... long bowl and long, comfortable seat.... stays amazingly clean.... water covers every bit of surface under the seat opening.... very latest thing.... any good plumber.... only $85)

(.... Madbrook.... also of Durock.... long bowl and seat.... large water surface.... but normal sized trapway.... for homes in which the sanitary pad is not a problem.... $50)

(.... coupon to Mrs. Holloway at Maddock's.... information about sanitary pad disposal and improved Madera.... or Madbrook.... and if you enclose 10 cents she will send the irresistible little Durock Duck with a pencil in his head for your desk or bridge table.... shows exquisite material all Maddock toilets, washstands and bidets are made of, in white or Blentone colors)

Mrs. Marion Holloway, THOMAS MADDOCK'S SONS CO.
Perry and Ewing Sts., Trenton, N. J.
Please send me the things I have checked below:
[ ] Information about the Improved Madera and sanitary pad disposal.
[ ] Information about the Madbrook toilet.
[ ] The Durock Duck (I enclose 10 cents).

Name ____________________________________________
Address ___________________________________________

The National Garden Association
To promote the Annual Observance of National Garden Week

Getting a flower show going

ROMAINE B. WARE

Imagine, if you can, a village of 2500 population staging a flower show in which there were 70 entries and more than 1200 people in attendance. That is the record Proctor, Vermont, made last year and it is truly an achievement in community flower shows. All over the country interest in flower shows of every description grows tremendously. Not only have their numbers increased but their quality has improved.

A show to-day must, simply must, be artistically successful. The day of the show consisting of long tables covered with white paper, displaying flowers in milk bottles is gone forever. It is not however that the classes of single blooms or three or six blooms should be discarded because the fancier (whether his hobby is Roses, Dahlias, Peonies or Iris) is more interested in the single blooms than in groups. He studies them as a connoisseur, comparing the varieties with each other. A good flower show must provide for both artistic and novel displays and single bloom classes.

Recent developments have been along lines that will teach the visitor to make better and more artistic use of flowers in and around the home. The displays feature flower arrangements artistically treated and include accessories to make the picture complete. Tea tables, breakfast table, invalids trays, arrangements for the sun room, living room and boudoir are interesting and instructive. Charming effects result from the harmony of vase and flower.

The garden club at Wayland, Massachusetts, in their show last fall staged some delightful arrangements. There was one, a window setting with soft yellow draperies and a table upon which stood an amber colored glass vase containing yellow autumn (continued on page 250)
Note, in the homes you visit, how attractive fixtures change ordinary "lights" into harmonious, glowing beauty, just as exquisite settings enhance the brilliance of the jewel.

The fixtures shown on this page were selected at random from the infinite variety of artistic creations which awaits your inspection at the studio of your Moe-Bridges dealer.

Every piece, every set, is authentic in design, faultless in material, and perfect in workmanship.

Let us help you visualize your personal tastes. Our department of interior decoration will be glad to advise you. Send the coupon for our booklet on lighting fixtures.

MOE-BRIDGES COMPANY
236 BROADWAY
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MOE-BRIDGES
ARTISTIC LIGHTING EQUIPMENT
Every man is his own quick-change artist in the matter of transforming his home basement from dull gloom to gleaming brightness.

IT'S a simple matter. A few pounds of Medusa Portland Cement Paint, a large brush and a few hours spare time are all you require to make over your basement.

Clean, white walls light up the dark corners, making a safe playground for the children on rainy days. If you are in the habit of using your basement you’ll appreciate the great difference Medusa Portland Cement Paint will make. If you’re not using it now, you will after it is painted.

Get all of the information on this different paint before buying a similar product.

MEDUSA PORTLAND CEMENT CO., 1002 Engineers’ Bldg., Cleveland, Ohio

Manufacturers of Medusa Portland Cement Paint; Medusa White Portland Cement (plain and waterproofed); Medusa Gray Portland Cement (plain and waterproofed); and Medusa Integral Waterproofing.

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IT’S PATENTED

MEDUSA PORTLAND CEMENT CO. 1002 Engineers’ Bldg., Cleveland, O. Send me complete information on Medusa Portland Cement Paint.

Name ____________________________ State ____________________________

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Dealer ____________________________ Size of Basement ____________________________

Getting a flower show going

Continued from page 248

The success of any flower show depends upon the committee back of it. This committee may be large or small depending upon the importance of the show. Care in selecting the general chairman is most important. That official must be able to see the whole thing in a broad way in relation to the community. The general chairman must appoint committee men to work as a general committee, each chairman to have his own committee. There should be committees upon finances, schedules, prizes, publicity and arrangements. Large shows will need even more committees. These committees should get together and outline the plans as far in advance as possible. Several months ahead is not too soon for a large show.

As soon as the general plans for the show are made it is possible to roughly estimate the costs, the finance committee should raise the necessary funds. This is easy if the right start is gotten back of it. Banks, business houses and merchants are always willing to help if approached properly.

The committee responsible for the “Schedule of Prizes” should prepare it as early as possible. I recall one flower show where I was president of a garden club, for which the schedule was published in March, the show to be held in August. This allows the prospective exhibitor to plan in advance for his display. Good shows are the result of the combined thought, ideas and effort of many people. They don’t just happen. The schedule committee does much to make the show a success by drawing up a thoroughly practical manner. It must be so carefully worded that it may not be misunderstood. It will aid the judges greatly if the prize schedule is so carefully worded that it can not (continued on page 250)
These Screens...designed to enhance the charm of your home

Screens that are designed to blend beautifully with the lines of every window, door and porch, adding to the charm and character of your home - this is what Higgin now offers you, through a nation-wide organization of screening experts.

Rolling Screens, Hinged Screens, Sliding Screens... all built to give years upon years of perfect service. So trim and smart in appearance. So easy and convenient to operate! The narrow all-metal frames never twist, warp or break. The semi-invisible mesh is scarcely seen... sunlight and fresh air flood your rooms!

The Higgin representative in your locality is a trained specialist, always ready to serve you. He will gladly discuss your screening problem with you and give you an estimate, free of charge.

More than a third of a century's experience in solving screening problems is back of this service.

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KANSAS CITY, MO.  TORONTO, CANADA

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ALL METAL
SCREENS
be misunderstood or misinterpreted. Many times a class is so carefully described that neither the judges nor the exhibitors can tell what is meant. A show to interest amateurs must give the greatest number of people an opportunity to win prizes. In many classes it is not too many to have 1st, 2nd, 3rd, 4th, and 5th prizes. They need not be high in value but the honor of winning and having the ribbon to show means a great deal. By all means have ribbons, and if possible have them printed. They will be kept and cherished long after other prizes are forgotten. As for prizes there are many ways to obtain them. Local merchants are usually willing to provide some reward to attract attention to the class while you complete the balance no matter where located—that is what it would mean. Think of the added protection for your investment—and all for only $70 it would mean. Think of the added publicity committee can do wonders for the show. The chairman of the committee should have some one in close touch with the local paper. The judging of the show is most important. The judging should be done carefully and without any faddish ideas. An innovation in judging was carried out at the South Jersey Gladidus show at Vineland last year. A winner week it may be about some extra fine flowers or shrubs in some local home, there is an adequate supply of water, and a good, large, open space with flowers or other arrangements made. A fine "ensemble" in fitments and landscape arrangements should be set up. An exhibition of the kind is likely to be attended to the day before the show. The hall or location where the show is to be held should be accessible to the public, or at least where they are in the habit of going. An out-of-the-way place will seldom draw a crowd and it is desired that as many as possible not only visit the show, but exhibit as well. The most desirable place is a hall or building where natural daylight is good, especially if it can be north light without direct sunlight. I know of one place where the largest auto show room in town was turned over to the garden club three days each year, every car being exhibited. The publicity of the paid ads many times over in the long run. The committee on publicity has most of its work to do before the time of the show. Last December I was visiting in a small but very much alive community in California. The local garden club was even at that early date working through their newspaper urging that preparations be made for the flower show to be held in May. That's publicity and it is that kind of publicity that makes a show a success. Each week the publicity committee should provide the local paper with carefully written copy playing up the coming show. The paper will be willing to run it if you will make it interesting. Don't wait for them to come to you and don't just offer it in the form of an announcement. See to it that it is news. One week it may be a short interesting article about a local garden show at Vineland last year. A winner week it may be about some extra fine flowers or shrubs in some local home, it is planning to exhibit, another news. One week it may be an interesting article about a local garden show at Vineland last year. A winner week it may be about some extra fine flowers or shrubs in some local home, it is planning to exhibit, another news. One week it may be an interesting article about a local garden show at Vineland last year. A winner week it may be about some extra fine flowers or shrubs in some local home, it is planning to exhibit, another news. One week it may be an interesting article about a local garden show at Vineland last year. A winner week it may be about some extra fine flowers or shrubs in some local home, it is planning to exhibit, another
Flowers beautiful in any vase are doubly beautiful in the right vase—such as the full richness of red roses in a Weller Pottery bowl of Coppertone. Here the bowl in its shape and texture resembles a piece of ancient copper that centuries have mottled with green... Other Weller bowls and vases have an unusual freshness of lustre—or are overglazed or underglazed, with any colors in living fire!... Besides Weller flower holders, observe massive old candlesticks, fruit platters, lamp bases, jars for plants—and some thick fruit-patterned cups and plates as in the days of monasteries. Prices for any of this pottery are doubtlessly less than you believe. Write for descriptive folders. The Department of Decorative Arts, The Weller Pottery, Zanesville, Ohio—Potters since 1872.
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(Continued on page 259)

Sleepless Nights Ahead ...
If those screens are still torn

WHY spend long, waked
nights needlessly? When all
the doors and windows of your
home are screened with a fin-
meshed wire cloth it means real
protection for the young ones
as well as for yourself.

Strength of the wire, evenness of
the weave, and weather-resisting
properties of the whole screen, are
qualities you should insist upon
attaining. Beauty, too, is impor-
tant. All of these things are nota-
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OPAL is a heavily zinc coated wire
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It has a beautiful rich gold color.

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it practically invissible.

The Beaton & Cadwell Mfg. Co.
Established 1894
New Britain, Conn.

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By the
342 MADISON AVENUE NEW YORK

Your hardware dealer has New York Wire Cloth
See him now
Look for the
Minute Man Trade Mark
"The Sure Defense"
Manufactured by the
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342 MADISON AVENUE NEW YORK
There is one door
in every home that no
woman need ever open

It is the door to the cellar—the door thru which tens of thousands of women pass daily to tend coal-burning furnaces.

This slavish attendance on a furnace is so unnecessary from any point of view—economy—health—decent living—that it is incomprehensible why so many women continue to practise it.

The same furnace or boiler in which you now burn coal can be so equipped that you can burn oil. All that is necessary is to have a Quiet May Automatic Oil Burner installed. Then, you need never again pass thru the cellar door to attend to the furnace.

There is absolutely nothing to do to the furnace when you have a Quiet May. You don't have to start it or stop it or do anything at all to it. It is automatic. It regulates itself. It keeps a uniform temperature within your house all winter long.

When the Quiet May is installed you decide to what degree you want your house heated. Then you forget about it. There is nothing more for you to do. The Quiet May keeps your house heated to the degree you designate regardless of how frequently or rapidly the weather changes, and regardless of what the temperature is out-of-doors.

A complete explanation of how the Quiet May works is contained in a book that you can have free. Just send us your name and address together with the coupon shown below and the booklet will be mailed to you.

In four or five short months cold weather will return. Will you again go thru that coal-heaving, ash-hauling experience, or will you have a Quiet May Automatic Oil Burner installed and let a simple mechanical device do your manual labor for you. Send for this booklet and then decide.

QUIET MAY
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Please send me a copy of your free booklet that shows in picture form how the Quiet May Automatic Oil Burner looks and works.

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Continued from page 256
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Make sure that the listing of booklets from which you choose is that of the latest issue of the magazine so The American Home cannot guarantee the delivery of booklets not listed in its current issue.

HEARTHSTONE EDITOR, THE AMERICAN HOME, GARDEN CITY, N. Y.
Please send (at no expense to me) the following booklets.

(Insert numbers from list)

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

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State ...........................................

MAY
Ever try to relight a Cigar through the Ash?

... or to heat a house with a boiler muffled in Soot?

*CLEAN OUT*

says the legend on the boiler door. Good advice — if you want economical heating.

As soon as your fire is out, give your boiler a spring cleaning.

Flaky soot in the boiler passages forms an insulating blanket, often responsible for more than a 25 percent loss in efficiency of the Fire Surface. Clean it out for the same reason you knock the ash off a cigar before relighting. Give the Fire Surface a chance.

But more important still, be sure your boiler has enough Fire Surface. If the cigar is cracked above the ash, you will not be very successful in relighting it even with the ash knocked off.

Even with the soot cleaned out, a boiler with too little Fire Surface is the most wasteful thing you own. It loses up the chimney a large percent of the heat generated. It often lets your house go cold and uncomfortable. It lets your fuel bills climb sky-high.

The only remedy is to replace it with a new boiler. One that has enough Fire Surface to absorb all the heat your house needs and pass it on economically to every room of your house.

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

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

They make a definite contribution to the subject of heating comfort, and to the subject of heating costs and how to reduce them. They tell you why an H. B. Smith Boiler properly installed will give you economically all the heat you normally want, and be able to supply additional heat in extra cold weather or when there is sickness in the house. Simply use the coupon below, sending it today to The H. B. Smith Company, Dept. L.3, Westfield, Mass.
Knifing the Rhododendron

Continued from page 196

Of the newer Chinese species, most of which are still in the experimental stage in Eastern United States, some are said to kill themselves unless partly disbudded, notably augustini, campylocarpum, fargesii and yunnanense.

Any Rhododendron transplanted in spring will usually form too many flower buds that season. After transplanting formed seventy buds while only seventeen inches high, demands attention, as each bud if permitted would open more than half a dozen blossoms. Such a yield is beyond the strength of any Rhododendron at this age. Early in May ten or twelve of the buds will be removed.

The six-foot hybrid which a year after transplanting shows over 120 buds must give up 70 of them in April. Perhaps it will be treated even more severely. Twenty-five or thirty flower clusters ought to make a gorgeous showing, and will leave the bush in a better state of health.

In fact, too great profusion of bloom, while striking, may afford less true beauty than a moderate amount. Flowers should not hide the leaves, for otherwise the picture lacks contrast both of line and of color.

To disbud, cut out the flower bud only, using a sharp knife. Be careful to cut no lower than necessary, or you will remove the small buds just below, from which new stem and leaf growth must come.

Immediately after the blossoms fade, most Rhododendrons put out several buds of new growth, branch- ing from the tips that have not flowered, and a little later around the flower clusters themselves. Disbud-

ing usually increases the number of new tips, giving you a denser and fuller shrub.

Rhododendron maximum and a few others put out their new growth before the flowers, which do not open till July. The new leaves hide the bloom in healthy plants. Hence maximum, though large and hardy, is not one of theJs

Except where you want to ripen seed, the faded flower heads should always be trimmed away. Seeding ex- hauits the Reproducible on almost as much as blossoming.

WHEN BLOOM FAILS

If your Rhododendrons do not bloom, ask yourself the following questions: Did they bloom too heavily last year? Were they planted with a generous supply of granulated peat moss in a light loam? Are they only well rotted manure, and plenty of that? Have you kept them permanently and heavily mulched? Have you planted them where water does not stand on the roots in winter? Do you keep them well watered in dry weather? Are they too much exposed to wind, sun, or shade?

All these questions are important if you wish to grow the most magnificent of evergreen shrubs.

If planted in heavy clay or in soil containing lime, bone meal, or plaster, dig them up thoroughly and heavily mulch the roots. You may give some, but not too much shade. Most of the hybrids will stand full sun, but grow better where some shade is likely to be well shaded, catawbiense moderately, while rhododendron paniculatum does well with little shade or none at all.

No Rhododendron should ever be permitted to dry out at the root. If you observe these rules your Rhododendrons will usually yield more than their share of flowers without complaint.

Do not prune Rhododendrons in the early fall. At any other time of year cut judiciously as much as seems needful, but the end of August and the month of September are dangerous because they are partly hardened and are likely to start before winter. In this case it may not harden enough to resist the frost.
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In Your Bathroom Today
Look ahead! Note the trend in housewifery— the "Ugly Decking" of your home, followed in beauty by that of your bathroom.

Is the uncovered toilet—the "Ugly Duckling" of your home still conspicuous in your bathroom?

Why not conceal it beneath a

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Designs and colors to match any decoration scheme, installed in a few minutes on old or new plumbing. Ask your plumber or write for booklet of beautiful designs.

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White $5.00
Other Styles $6.00 to $7.50
All prices F. O. B. Factory

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If she has used Bartons Trimmings, she knows that whatever she makes will be smarter if it is finished with one of these charming trims. And she will want to see the new styles and new colors...samples of which we will send her. If she has never used Bartons Trimmings, and doesn't know how lovely they are...in what smart colors they come...and how easily she may apply them, she, too, will want to see our samples.

**BARTON'S TRIMMINGS**

Barton Fabrics Co., 77-D Madison Avenue, New York, N. Y.

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**Touch of Tomorrow**

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1108 Commonwealth Ave., Boston, Mass.
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**May, 1929**

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Barton Fabrics Co., 77-D Madison Avenue, New York, N. Y.

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**KILZEN, INC.**
200 Tribune Tower, Chicago, Ill.

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Hand-made English bench-table, solid oak, all joints hand-pegged, rich dull rubbed finish. Size 12x18x18" ht. $15. A big new catalogue ready in a few weeks.

Famous Solitaire Table; one leg takes no space, light as 10 lbs. Fits any chair in jiffy for reading, writing, drawing. Duco finish in colors. $12.50 Mahogany, $18.50.

Ideal for May—stunning hand-made wrought iron table with single Spanish tile in realistic fruit design in lovely colors. Fine for house, garden, sun room, or porch. You have choice of this or flower design at the same price, $7 FOB shipping point. Ht. 20". Catalogue of larger designs.

An accurate and interesting 11" sun dial postpaid in U. S. A. for $5.50! Cast solid iron enameled gray, numerals raised in gold. There is a nice motto. Special mottoes can also be cast at slight extra charge. Makes a nice gift. The only dial of its type at any where near this price.

A reputable Boston studio has copied a rare old fire screen for a library, summer cottage, foyer, or on either side of a mirror. Backplate 12x15". Price $2.50 is low enough to permit wiring by your local electrician and still keep below the usual rate for such an item. Large catalogue of iron things.

These are my ivy stand "Specials" for May. Both hand-wrought; Pompeian green enamelled weatherproof. Ht. 36 inches; handy carrying crook; 3 legs prevent rocking. Either stand $3.50 ea., bright tin pots with fashion prints or dots (any color) $2.50 ea., Italian pots glazed in lovely colors $2 ea.

The famous Virginia "Shuck Bottom Stool", walnut or maple; 12x12x10½" ht.; $5. Good for any Colonial room, porches, fireplaces. Keep feet from drafts. $5. Catalogue.

Clever tray stand folds flat, or opens to solid tray table. Ht. 25½". Unfinished, $10; mahogany, $12.50; color $13.50. FOB N.Y. Express p'aid during June.

A simple and charming wrought iron candle holder for a library, summer cottage, foyer, or on either side of a mirror. Backplate 7½x3½. Price $2.50 is low enough to permit wiring by your local electrician and still keep below the usual rate for such an item. Large catalogue of iron things.

Another find—a nice bridge or reading lamp of wrought iron for $10 complete. Brass oil fount, finial, and ring at top of legs. Parchment shade with coat of arms. Lamp may be adjusted to any height. Decorators and gift shops should write for this N. Y. Studio's catalogue.
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Staybrite Tissues are extra strong, yet velvety surfaced to guard against scratching. Ask your stationer or department store to order Staybrite Silver Wrapping Tissues.

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Footsure Safety Bath Tub Mat gives a firm but safe footing when stepping in or out the bath tub or shower, or on the polished floor. Many use 2 mats, one on the bottom of the tub, the other on the polished floor. The Footsure Mat is made of high-grade white, odorless rubber, with patented vacuum clips moulded in the bottom, making it cling tenaciously to a smooth, polished surface. Placed it on the bottom of the tub or in the floor of the shower, it cannot slide, thus giving positive, sure footing. Children can play amply and splash in the tub, footsure and carefree. Not only a convenience and safeguard, but an ornament in the bathroom.

Price, $2.95 at department and hardware stores or direct from us.

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You’ll Never Know where the hole or crack was when you fill it with Rutland Patching Plaster. You will be getting self-safety. Makes perfect patch and lasts as long as the wall itself. So easy, too! Just mix with water and use. Anyone can do it. At all paint, wall-paper and hardware stores. Rutland Fire Clay Co., Rutland, Vermont.

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"2 Copper Wires in the Selvage"

In a well-screened house there is more health than in many a doctor's visit. Protect your home and the health of your treasures against germ-carrying insects night and day.

Specify PEARL WIRE CLOTH for porch screening. Due to its metallic coating, Pearl Gray Color and even mesh, Pearl is the most beautiful wire. It offers little or no obstruction to the vision and you enjoy the advantages of out-door living with in-door comforts.

Pearl is also, because of this special process coating, the most durable—therefore the most economical—screen wire cloth.

Beautify your home with PEARL.

"Out-wears Galvanized Cloth Several Times"

We have a dealer in your town. See him or write us if you are interested in permanently screening doors, windows or porches. Samples and literature free.

Address Department "G"

Herrick Water Cooling Refrigerator gives ice-cold water at the turn of a faucet. Can be connected directly with city water pipes or used with mineral or spring water. No bother, no chipping or wasting of ice. Herrick Outside Icing permits icing of refrigerator without bother to the housewife.

Free Folders

Each one will help solve some refrigeration problem, or tell how you may enjoy the best service from your refrigerator.

CHECK YOUR CHOICE

☐ Conquering Food Spoilage
☐ How to Place Foods Properly in a Refrigerator
☐ Refrigerator Recipes

Indicate by check-mark the free printed matter you wish, enclose with your address and send to Herrick Refrigerator Company, 205 River Street, Waterloo, Iowa.
All this goes to show that the real study of gardening is a study of plants and their habits and then casting around to find conditions to correspond with them as fairly as possible. The plant habit has been pretty well fixed in its descent (or ascent) of thousands and thousands of generations and the best gardener is the one who can best interpret the plants' own sign language. Let us all keep ourselves keyed up to grasp the unusual and start on the quest of the wherefore.

Planting Schedule by Mr. Quint

<table>
<thead>
<tr>
<th>Flower</th>
<th>Earliest bloom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Myosotis</td>
<td>May 27</td>
</tr>
<tr>
<td>Pansy</td>
<td>May 24</td>
</tr>
<tr>
<td>Poppy</td>
<td>June 1</td>
</tr>
<tr>
<td>Wallflower</td>
<td>June 6</td>
</tr>
<tr>
<td>Aquilegia</td>
<td>June 5</td>
</tr>
<tr>
<td>Perennial Poppy</td>
<td>June 3</td>
</tr>
<tr>
<td>Delphinium</td>
<td>May 30</td>
</tr>
<tr>
<td>Pyrethrum</td>
<td>May 29</td>
</tr>
<tr>
<td>Myrtle</td>
<td>May 1</td>
</tr>
</tbody>
</table>

Under date of May 1, I record upon several occasions quantities of syringa, lily-of-the-valley, forget-me-nots, violas, aquilegias, etc., for may-baskets; and under date of May 10 I read: "Such wealth of flowers in my garden: 5 kinds of llacs, 5 kinds of Tartarian Honeysuckle, Iris, Myrtle, Ramoeculus, Pyrethrum, and many others."—(Mrs.) Ruth G. Plowhead, Caldwell, Idaho, 422 Cleveland.

And now, in rebuttal, by Mr. Quint:

Mrs. Plowhead's letter is indeed interesting and illuminating. Not only that, but it proves that nothing may be set down as a hard and fast rule, for something is always likely to come up and upset the best laid plans of the lawmakers.

In gardening especially, what may be set down as a guide for one case may not work out in the next. As was stated at the outset of my sowing chart, the tables were prepared on the basis of climatic conditions over a period of years. The dates, as may well be understood, are approximate, and in every case given for the sake of safety—that is, after danger of late frost has passed.

The chart was compiled after very careful research, which included a thorough study of United States Department of Agriculture maps and reports over a period of twenty years, averaging figures, etc.

In my research was included communication with more than one hundred and fifty garden clubs, commercial florists, seedsmen, experiment stations and amateur gardeners in every section of the country.

It is quite possible, of course, to start seeds in coldframes or hotbeds long before it is safe to set them outdoors, and as was pointed out in my article on coldframes and hotbeds, published in the February issue of the magazine, the flowers may be had several weeks in advance of those started from seeds sown outdoors.

Mrs. Plowhead has set forth the very earliest date of blooming of certain flowers. It is quite possible that those were in extremely warm springs. Again, Caldwell, (continued on page 296)
New Roses

Do you know that real rose "fans" literally vie with each other in the matter of having in their gardens the fullest and most outstanding of the Novelties? For your information here is a list of the truly delightful new kinds.


All these above we furnish while they last at $1.50 each except the 1st 100 in June which are $2.50 and $2.00 respectively. (Making $12.50 in all).

If you'll like to try out the entire 7 just send $10.00 and ask for the "Fan set".

Simply Stunning

We've had the immense satisfaction over a 10 year period of seeing America's enthusiasm for good roses spread in popularity till it became the most popular climber throughout England, Scotland and as far south as the Riviera on the Continent of Europe, before it was really fully appreciated here. Now we're headed for another realization of "beauty broadsided" in the marvelous new and different type of Climber, Miss Greigie Steckelchin.

It was awarded the Gold Medal at the Botanical Gardens, Paris, June 11, 1937. This was the first Gold Medal to be given to a climbing Rose at the world-famous test-gardens for Roses at H. T. Baccrauw, Paris (France), Later, another Gold Medal was awarded to it at Savenon (Alace).

Mrs. Gregorie Steckelchin has aristocratic parents ( Frau Karl Druschi and Chateau de Chos Vougeot), and has inherited the best traits of both. The long pointed buds are crimson at first as the sepals divide, then the firm outer petals show splashes of carmine as the flower opens, with an iridescent pearl-pink inside. It is richly perfumed and when full blown has a pleasant citronelle fragrance.

Tests in our trial garden show it grows 12 feet or more high and has heavy disease-resistant foliage. The main stems shoot upright and all along will grow, the follow in a wide, side branches 13 to 14 inches long, with exquisite, full, fragrant blooms at the tips. These blooms come in June the second year after planting, and last over a long period, as they come in succession, and each bloom is long lasting. It was awarded to a climbing Rose at the world famous test-gardens for Roses at H. T. Baccrauw, Paris (France).

"Come Into the Garden, Maud"

The favorite old song by Tsunyng, which has been revived and is heard over the radio so often of late days, will remind one to step into the garden and take a deep breath. It will becompensated by the time you spend with them.

What is it to the nightingale, if there his darling rose is not? In vain the valley's smiling throng worship him as he moves along; He heeds them not—one smile of hers is worth a world of worshipers; they but the star's adorers are, to him the lights the star! (Lalla Rookh—Moore)


close

Roses for graduation

When June comes along and your daughter or your neighbor's daughter graduates from school in her dainty white dress or cap and gown, what fit into the picture better than an arful of home-grown roses—fragrant and sweet as the best Girl Graduate herself? You can find out from your local school what color your favorite flowers will wear. The red and white and yellow and blue and scarlet and orange pink. The "Star" rose gardens are easy to grow; and we guarantee them to bloom. Price, while they last, $5.00.

The label stays on

One of our customers wrote us about her little son who thought it would be a good deed to collect all the pretty white stars that his mother had evidently forgotten to collect. The "Star" label off the roses and brought them to his mother in great glee. But no strange are the ways of grown-ups whom things I didn't know about the care of roses. It's very handy to have all this information collected into one little book.

"Mrs. C. D. Cincinnati, Ohio

(Send for "Success With Roses"); cost only 25 cents.

A personal invitation to you

Are you planning a motor trip for this summer? We can tell you of some country that we know you'll be delighted to see. It's the beautiful country around West Grove—interesting scenically and historically. You'll be welcomed down this way—we'll be glad to see you, and our roses will give you the most fragrant beautiful reception you've ever had.

We're proud of our rose gardens and our "Star" Rose Growers. It's very handy to have all this information collected into one little book.

Simply Stunning

We've had the immense satisfaction over a 10 year period of seeing American enthusiasm for good roses spread in popularity till it became the most popular climber throughout England, Scotland and as far south as the Riviera on the Continent of Europe, before it was really fully appreciated here. Now we're headed for another realization of "beauty broadsided" in the marvelous new and different type of Climber, Miss Greigie Steckelchin.

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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).

**NORTH**

**The Flower Garden** Sow tender annuals. There still is time to sow seeds of hardy annuals. Sweet-peas should be ready for staking. Summer bulbs should go into the ground the end of this month. Set out bedding plants about the 25th. Disbud Peonies. Use liquid manure. Perennials getting tall? Stake them. Better transplant some of them and get them into their permanent places. Spring bulbs will be through blooming. Let the leaves ripen before you dig up the bulbs. Give Rose bushes another application of bordeaux mixture. Give them a treatment of lead arsenate this month, too. Continue sowings of Sweet Alyssum. Protection may come completely from Rose bushes late this month. Get after those weeds. The Vegetable Garden Begin sowings of tender vegetables. Don’t let insects get the better of Cabbage, Cauliflower and Sprouts. Thin out your hardy vegetables. Continue semi-monthly sowing of Peas. Plant Potatoes. Apply nitrate of soda to Lettuce, Cabbage, in fact, any leaf vegetable. Use your cultivator freely. Make another sowing of Lettuce, Radishes and Carrots. Set out early Tomatoes in the open, besides the coldframe-grown ones.

**The Coldframe** Protect seedlings during cold weather. Harden off annuals. Transplant seedlings as soon as they are ready for it.

**Miscellaneous** Some of your shrubs have finished blossoming. Prune them. Keep mulch available for late frost. Now is the time for all good gardeners to use their sprays. Last call on planting small fruits. Mulch Strawberries with clean straw. Take cuttings of house plants and Chrysanthemums. Be careful in pruning Maples. Do it while the buds are bursting. Plant Beech, Birch, etc. Application of bonemeal will work wonders with shrubs. Evergreens transplanted last month should be kept well watered.

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

**SOUTH**

**The Flower Garden** Fertilize Rose beds. Don’t let insects clutter the bushes. For good blossoms keep Dahlia, Heliotrope, Chrysanthemum and Klondyke Cosmos terminal buds pinched back. Next month will be time enough to let them develop. Sow perennial seeds for setting out in September. They should be put in a special bed, so that they may be protected. Spring flowers are fading fast. Plan for fall.

It isn’t too late to plant vines. DON’T FAIL to get late annuals into their places where they are to grow. Replace Alyssum, Sweet-peas and other early flowers. Hardy Phlox will blossom this year, if you get it planted at once. Dahlia tubers all in? Why not try planting German Iris seed? Sow about the 25th.

**The Vegetable Garden** Start Celery. Give plenty of water and keep bed shaded. Sow Lettuce in a box. Keep it wet and away from strong sun. Sow Melons, summer Radishes, Pumpkins, Squash and Cucumbers. Put in another crop of early Corn to take the place of the crop now ready and being picked.

Make another planting of Beans for later use. Stake Tomatoes. **Miscellaneous** Keep sprays at hand. Keep busy with plow and cultivator to get rid of weeds. Remove superfluous growth from trees as it appears. Don’t let knob-grass bother the Strawberries. Watch for borers.

**THE WEST COAST**

Summer and fall perennials must be set out early this month or it will be too late. Last call to plant Dahlias. No time to lose in getting out young Pansy plants. Have you taken Chrysanthemum cuttings yet? Take them from the new shoots of last year’s plants. Red spider will get your Sweet-peas if you don’t watch out. Dig up Hyacinth bulbs. Divide Violets and plant in newly fertilized beds. Sow Hunnemania in permanent location. Set out Primrose, etc., for late fall and early spring. Thin out annuals. Old Smilax growth can well be cut away.
Motor Lawn Mowers that re-emphasize Coldwell Leadership

NEVER has Coldwell leadership been more strikingly exemplified than in the new Coldwell Motor Lawn Mowers and Rollers, equipped with two-cylinder motors. Created by engineers famous for their contributions to lawn mower design, these new machines are being acclaimed everywhere as setting new standards of dependability and efficiency. A host of vital improvements—exclusive with Coldwell—insure superlative performance, trouble-free service and economical operation throughout the years.

A wide selection of styles and sizes in Coldwell Lawn Mowers is now on display at your dealer's. An expert will help you choose exactly the right machine for your lawn—and the best value for the amount of money you have in mind. Literature describing the entire Coldwell line will be sent on request. Will gladly arrange demonstration on your own lawn.

HAND 
HORSE

COLDWELL
DEPENDABLE LAWN MOWERS

COLDWELL LAWN MOWER COMPANY, NEWBURGH, N. Y., U. S. A.
Dreer's Timely Garden Topics

We like you to look upon The Dreer Establishment as one of the foremost clearing houses in the horticultural field. The entire world contributes to our stocks. Specialists everywhere supply the best their skill creates. That, in turn, has developed specialists within our own organization. One of them wants us to say something this month about

DREER'S TEN GREAT DAHLIAS

Avalon

Thirteen pages in The Dreer Garden Book are devoted to Dahlias, offering hundreds of meritorious varieties in many classes. From among these we have selected those described below as being an ideal combination for either garden show or cutting purposes.

Ambassador. (Cactus). Soft yellow, center with salmon, amber and pink shadings. $1.00 each.
Avalon. Clear yellow Decorative as illustrated above. $1.00 each.
Cigarette. (Hybrid Cactus). Creamy white, heavily edged bright red. Really charming. 75 cents each.
Ellinor Vanderveer. (Decorative). Glowing satiny pink. An early bloomer. $2.00 each.
Insulinde. (Decorative). Superb golden yellow with salmon-red suffusion. 75 cents each.
Special Offer: One each of above ten outstanding leaders among Dahlias for $7.50.

The Dreer Garden Book continues to serve the nation in its capacity as conscientious adviser on the best in Dahlias, the choicest Roses, old and new, the World’s Best in Flower Seeds, and all other materials desirable in the making of most any kind of garden. Free, of course, and mention The American Home.

HENRY A. DREER

Planting the garden close to the house

Continued from page 197

Each side is divided into two parts, leaving 4 feet at the back for the taller subjects, and a strip 18 inches wide on either side of the path for lower growing annuals, that kept the garden gay from May to November.

Bunches of Pansies, Forget-me-nots and English Daisies alternate with Sweet-William, with here and there a perennial of contrasting foliage such as Pinka, Coral-bells or Baby’s-breath with the cloudly blue Polemonium and Veronica.

Amongst the perennials we recognize many of our old time favorites tall blue and white Campanulas, fragrant orange and yellow Day-lilies.

Purple (continued on page 296)
Your New Hose!

For your garden's sake—and your pocket-book's—let your new hose be Bull Dog Cord! It is hose that will stand more punishment without weakening than any hose you ever saw! You can tie it in knots and it still keeps its round, free waterway—it never kinks! It's a moulded hose—built like a cord tire—

alternate layers of live rubber and tightly twisted and braided cotton cords vulcanized into one inseparable wall—strong yet astonishingly flexible.

The better garden implement dealers carry Bull Dog Cord. If your dealer is not stocked, send us his name and address—and yours—on a postcard. We will send you a Free Illustrated Booklet describing Bull Dog Cord, and tell you where you may secure this hose quickly.

BULL DOG CORD
Garden Hose

Built Like a Cord Tire
Dormant Trees and Plants from the North

MID-APRIL and Spring just beginning up here in Vermont. Mezieron and Shadbush in bloom and some wild flowers like Hepatica and Arbutus are calling one to the leafless woods. But the trees and shrubs are still dormant and for another month we will be sending them to our friends farther south where growth has started to such an extent that transplanting may not be advisable.

Of course, we want you to have our catalog which lists nearly a thousand varieties of trees and plants, among them our finest native ferns and flowers. Just to give you an idea as to what you will find listed, here are a few varieties which we offer.

**Japanese Weeping Cherry:** (Prunus subhirtella pendula) The wonderful pink flowered weeping cherry of Japan, as illustrated above. 4-5 feet tree $5.50 each.

**Carolina Rhododendron:** Beautiful two-foot nursery-grown plants of this light pink, early flowering Rhododendron at $3.50 each.

**Daphne Cneorum:** A most charming low growing evergreen shrub bearing throughout the season intensely fragrant pink flowers. 75c. each, $7.00 per 10.

**Korean Spirea:** (Spiraea tricocarpa) A new spirea similar to Van Houtte but much later in blooming. 2-3 ft. plants $1.00 each.

**Viburnum Carlesii:** Mayflower Viburnum. A viburnum with flowers of Arbutus-like form and fragrance. 12-18 in. plants $2.00 each.

**Japanese Anemones:** These wonderful late blooming Anemones must be planted in the spring and our strong field grown plants in red, white or pink varieties are only 30c. each, $2.50 a dozen.

**Lupines:** Pink, blue or white. Field grown plants at only $2.00 a dozen. Lupines seem to be scarce but we have a good lot.

**Latham Raspberry:** A very large attractive variety, perfectly hardy but succeeding farther south than many kinds. $1.00 per 12, $5.50 per 100.

And besides the above we would like to tell you about our Flowering trees, Evergreens, Phlox, Ferns and ever so many other plants. We can do this through our catalog. Send for it now.

George D. Aiken, Box V, Putney, Vermont

"Grown in Vermont, It’s Hardy"

---

**Planting the garden close to the house**

Cone-flowers and Spiked Veronica; and the faithful standby of every garden, phlox, in lavender, white, and pink, contrasted with the deep velvety reds and purples.

In the far corner, where the overhanging boughs of Elm and Cherry trees cast their shade over the garden, the scheme is varied by the introduction of certain plants tolerant of shade, including the early English Polyanthus, or many flowered Primula, and some of the newer Spireas.

Several varieties of bulbs are brought in here, the golden umbel of the Crown Imperial followed by the brilliant orange sprays of Montbretia, and the dear old fashioned Tiger Lily. A group of tall white Snakeroot from the woods is most effective against the dark background of Hemlock.

Scattered everywhere are Forsleys and Canterbury-bells, their lovely pastel shades of blue, white and pink, and soft creamy buff, added to the deeper pinks and crimsons of the Sweet-william, make the June garden an enchanting sight.

Seeds of the biennials should be sown in May or June of one year, for flowering the following June. They are inexpensive, costing from 10 to 15 cents per packet. For flowering the following June, they should be sown in cold frames and transplanted into rows in the vegetable garden on a cloudy day.

Idaho, is in the middle of a well developed irrigation section, which condition does not hold true for some other sections of the state.

Many sections of the state are somewhat higher than Caldwell, and the date of bloom will be considerably later than in the case cited.

I still feel, in view of the average conditions for the state of Idaho as a whole, that section E is the proper classification for the state of Idaho."
Peony Prices Greatly Reduced

"Like Great Wild Roses With Hearts of Gold"

A Superb Collection of Peonies

personally selected by Mr. Harris from the world's best during the past 25 years that include all Peony shades of double, single and Japanese types. Make your selection in the field during the blooming season which will be at its height from the 8th to the 20th of June, when you can obtain just the shades and harmonies of color that you desire.

A Superb Collection of Iris

both Japanese and German. The latter are at their height of bloom in May 25th to June 1st. The Japanese are at their height of bloom from July 1st to 10th. The marvelous colors of the Iris will tempt any flower lover and their low prices make them more attractive than ever.

Visitors welcome every day but Sunday—Catalog FREE

On the Saw Mill River Road, 3/4 miles north of Elmsford

S. G. HARRIS Box A Tarrytown, N. Y.

Gorgeous Colors from the Orient

Without a rival for brilliancy of color and quantity of bloom, Azaleas stand first in the gardener’s affection. From mid-April to late June the Azalea garden resembles the colorful scenes of the Orient.

Our collection includes A. poukhanensis from Korea; A. mucronulata and A. mollis from China; A. poniria from Europe; A. vasseyi our native American variety, and several others that appeal to gardeners who desire the new and better flowering shrubs. Full descriptions, sizes and prices are given in the new edition of Landscapes and Gardens which has been completely revised for the benefit of our friends. Helpful planting directions, accurate descriptions of trees and plants, and many illustrations make the catalogue of great value to gardeners. A copy awaits your name and address.

WYMAN'S FRAMINGHAM NURSERIES

Box H-1 Framingham, Mass.
Ten Most Exquisite Darwin and Breeder Varieties

Clara Butt, Delicate salmon-pink.
Euterpe, Maure-Lavender, Extra fine.
Farncombe Sandera, Fiery scarlet.
Pride of Haarlem, Deep old rose.
Madame Krelage, Pink, light bordered.
Baronne de la Tonnaye, Vivid pink.
Bronze Queen, Buff and golden bronze.
Dream, Lovely delicate lilac.
Faust, Velvety maroon-purple.
Glow, Deep glowing vermilion.

100 bulbs $4.95

Collection A — 10 each kind
Carriage Prepaid east of the Mississippi, west add 30c. a hundred.

OTHER OFFERS:
Collection B, 250 bulbs $11.00
Collection C, 1,000 bulbs $46.00

See our free Bulb Book. Order now. Pay in the Fall when bulbs arrive, if you prefer. We allow 5% discount for cash with order.

Order Before July 1

Import orders must be placed with our growers in Holland early in July. It is necessary for us to plan well ahead so as to make sure of the finest bulbs, of these most desirable kinds, in the right quantities. Therefore orders at the above prices can be accepted only till July 1. We impart specially for you. Now is the time to order for Fall planting.

In the finest tulip gardens of the Old World, our special representatives will pick the choicest bulbs for your requirements, if you make your selection now. Fall is planting time; and your tulips will blossom gloriously next May.


Established 1889

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Pittsburgh, Pa.
Would You Therefore
Have A Life Time Joy?

Cars wear out and have to be re-
placed. But one of our Glass
Garden Sunning Rooms is a life-time-
joy. Its upkeep is practically nothing,
yet its dividends are declared daily.
Every member of the family participates.
There's so much more to the pleasures
of owning one than you suspect, that
am just wondering why you don't send
for that interesting book of ours called;
"Glass Gardens As We Know Them."
Glad to send it. In requesting one,
you can be assured of a freedom from
being annoyingly "followed up."

FOR FOUR GENERATIONS BUILDERS OF GREENHOUSES

Office in Many Other Principal Cities

KINGSBURY
4-PIECE GARDEN KIT

Own This Handy
Personal Gardening Set

Trowel, Spading Fork, Transplanting Trowel and Cultiva-
tor, each with a different colored handle, complete in
attractive carton. Each tool made of sturdy, unbending steel, all
in one piece. Comfortable, smooth, handfitting handles. Care-
fully shaped and sharpened edges. A set like this makes gardening
easier—happier! If you do not find this Kingsbury Garden
Kit at your regular dealer's we will ship you one for $1.25 (West
of Miss. $1.35).

KINGSBURY MFG. CO. 100 E. Myrtle St., KEENE, N. H.
The Cooper Power Mower
propels itself easily over level or uneven turf, and is equipped with disappearing traction lugs for climbing hills and terraces. In one operation it rolls the lawn as it mows the grass. Guiding is the only physical effort required of the operator.

The Dayton Straight-Eave Unit-Built Greenhouses range in price from $50 to $300. The Dayton Curved Eave Greenhouse models are priced from $250 upward. We will gladly, without obligation submit an estimate on the house you have in mind. No representative will call save on request from you. The Greenhouse Book will give you detailed information.

Send in the coupon below.

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DAYTON, OHIO

"THE GREENHOUSE BOOK" SENT FREE

The Dayton Greenhouse Mfg. Co.
Dayton, Ohio

Without obligation, please send Greenhouse Book.

Name

Address

The Dayton Greenhouse Mfg. Co.

Every Beautiful Lawn deserves a Cooper Power Lawn Mower

Light Weight Low in Price Easy to Operate

Specially designed to trim close to walls, fences and curbing. For working around trees, flower beds and shrubbery the cutting blades may be positioned independently of the traction roller, or remain idle while the machine transports itself from one location to another. The Cooper Mower has an all-steel shock-proof frame, and is powered with the world’s most popular 4-cylinder gasoline motor. Because acquainted with the many other Cooper features. Write today for detailed description and name of the nearest Cooper dealer.

The perimeter of perpetual Springtime—all your own!

Different designs and sizes to fit your needs. What joy to have a little kingdom of your own! But why dream of it when its attainable? Dayton Greenhouses range in price from $50 to $300. The house you have in mind. No representative will call save on request from you. The Greenhouse Book will give you detailed information.

Send in the coupon below.

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DAYTON, OHIO

"THE GREENHOUSE BOOK" SENT FREE

The Dayton Greenhouse Mfg. Co.
Dayton, Ohio

Without obligation, please send Greenhouse Book.

Name

Address

The seasons in a Southern garden

New Orleans has always favored masses of green against walls for the first gardens of the Vieux Carré were country. The early French house had the business establishment below, the family quarters above. The house was flush with the street, with galleries or balconies extending out over the banquette or pavement. A paved passage way led from the street to the inner court and became, and this secluded space was a thing of beauty. The windows of the house were set on the court—long rows of windows, often slightly arched, and with little window-size balconies of wrought iron. To-day many of the...
My customers who "know their Iris" write me that my roots are the FINEST BEARDED IRIS ROOTS IN AMERICA AT THE MOST REASONABLE PRICES. My "eye-opener" circular tells the story. If you are interested in planting this noble flower, it's yours for the asking.

HARCOURT M. TAYLOR
Riverside Gardens Yakima, Washington
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. Contains 86 to 89% pure organic matter, non-acid, thoroughly aerated, free from weed seeds.

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Hyper-Humus Corrects Soil Texture
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The American Home

The seasons in a Southern garden

Continued from page 308

shade of pink and of purple is seen. While the Azaleas is of slow growth for the first few years, the methods of cultivation now used spread up growth. Some of Mobile's Azaleas are over eighty years old—at least, it is said. Herein seems to show you that they were there when he was a boy. In the older gardens the enormous Azalea growth without interruption or fertilization, but the modern gardener tells us that the Azalea requires much water, and the season of growth in the past was often due to neglect. In the fall the roots are banked with moss, which is said to be excellent for the growth. But there is rather a mystery about it all, the Azaleas continue to thrive marvellously in Mobile, but once moved from the magic, they stay "as is" or even dwindle! Azaleas in Mobile are the best. The writer, after seeing the wonders of Mobile, and even those determined souls who have moved their Azaleas moved in casks of Mobile dirt, to insure their growth, are sometimes disappointed.

But after all, there's really anything disappointing about a Southern garden, for if one thing fails there are so many possibilities to take its place!

Common sense about watering

Continued from page 221

But the average gardener to-day has access to unlimited supplies of water, and he has two methods of getting it to the points required. The hose attached to the house faucet will, if there is any pressure, all convey the water any distance, either up hill or down hill. The question to be settled is when should the hose be used and how much water should be applied?

If great heat prevails, it may be accepted as a fact that most garden plants are in need of moisture inside of a week, therefore in prolonged dry spells, if much ground has to be watered, it is essential to sectionize the plot and give each section a thorough soaking on different days. What constitutes a good soaking? Well, just consider that an ordinary rain must continue for many hours before it will penetrate to the lower subsoil, and you will realize that half an hour's hoising with a spray nozzle cannot accomplish much. And yet to the active gardener who is anxious to do something else equally as important, long hours of hoising are deadly dull. Thus some form of direct spray nozzle that will cover a considerable area, and which can be left alone, is an asset.

The ordinary spray nozzle which can be made to throw a single jet or a time spray is useful, for it can be hooked on to a fork handle or attached to a special holder made for the purpose, and it will in an hour or less thoroughly soak a fair sized area. Such a nozzle is particularly useful for borders, etc. The general run of whirling sprays, fan sprays, and the like, are only really effective on lawns or in spots where neighboring plants do not interfere with the spreading water. On lawns and small spaces, such sprays are valuable as they cover perhaps several hundred square feet.

But in the vegetable and flower garden, there is no simpler and better means of watering than one or other of the overhead systems. Those who care to spend the money can have installed along the edges of paths, etc., lines of nozzle fitted pipe that will take care of all the watering. Is the flower garden the overhead pipe not, as a matter of the garden, an general use in market gardens, nurseries, etc., are somewhat objectionable. Although the vegetable garden one can be irrigated. But in the ordinary small garden one can reduce the labor of watering to a minimum by the use of rubber hose and a portable overhead sprinkling system. Personally, I can cover the rather irregular acre patch I possess by the use of 200 feet of hose and a portable iron pipe system 50 feet in length.

The hose, with its spray nozzle or cover the beds and rock garden adjacent to the house, the nozzle being shifted periodically while the remainder of the garden can be covered, for instance, with 50 ft. wide patches by the portable pipe. This latter consists of sections screwed together and mounted on iron rods pushed into the ground. Connected up with the hose it is easy for two of us to shift the whole outfit and while it is operating we are able to attend to some other job elsewhere.

If the vegetation when one watered the overhead method, for if the sun happens to be shining, the fact that the water is thrown up into the air and wets every part of the plants and soil reduces the temperature all over that particular area so that there is no scalding of foliage through rapid evaporation.

The amateur gardener who forces his decorative plants to flower during the winter months in the case of cultivating in cold frames or in the greenhouse where it may be necessary to provide shade, etc., and yet no other way is possible, then we have the problem of protecting young plants from scorching during the winter. As an old rule, the worst feature in winter is the rather prolonged and long dry weather. As an old rule, I have had my fill of watering with can, and by this I mean that I would much rather have the water necessary to water the plants, I mean to say that calls for no watering, for wet winter is the worst bugaboo of all.
RID YOUR GARDEN of cutworms, snails, slugs, grasshoppers, sowbugs, earwigs, etc. These unsightly pests prevent early plant growth and ruin vegetation. Get a package of Snarol from your nearest dealer and sprinkle it around the plants an

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Sucession of bloom for the shaded garden

Continued from page 199

mouve mistiness over and through the whole garden. With the exception of the background, which has been in existence some years, the garden was planted in the autumn before the photographs were made so that the Philodendron Xanadu, delicately lilac-tinted, has not yet crept down over the flagged paths in the sunny spots, nor has the Tunica cassia or Coast holly flower formed to full grass-like tufts whose pretty pink flowers will in time clothe the edges in pale color from June to September. Violets, purple and yellow, add low color in the shady places, Vinca or Periwinkle trails its glossy green foliage and blue flowers over the edges of paths and under the shrubs. Woolly leaved Mountain Thyme carpets the flagged paths, crevices and rocky edges of the pool with a spread of green brightened by the purple flowers. Rupture Root Hernia forms a dense green carpet between flags and about the pool's edges. In the very shady corners the Geranium psycocoea or Crane's-bill spreads its charming foliage and purplish blue flowers. Then Forget-me-nots and a few fine clumps of Dicentra spectabilis or the old fashioned Bleeding-heart complete the spring picture.

In the sunny spots Clematis jackmannii, reach up their tresses of mauve bloom, and there is a Philadelphia fuchsia, a Mockorange with slender arching branches sweeping down to the water. It is too shady for it to bloom, but as it was already there and thriving I left it for the sake of its good foliage. I added the Ash-leaved Spirea to the shrubs, its foliage lending a pretty feathery prissing to the picture, and it of course, thrives and blooms in shade in July. In the sunny spots Clematis jackmannii climbs up the trellis, and for afternoon Clematis paniculata gives a fluffy mistiness with a creamy white bloom. The contrast in foliage and bloom is pleasing. The extreme delicacy of the Dicentra's foliage against the perpendicular growth and heavier foliages of the Lilies, the pinkish tone in the strong lavender of Rev. Ewbank Tulip brings the Lilacs and Dicentra together. I used these plantings for this particular garden, but one can think of many charming combinations for just such a shady spot.

When the Tulips pass, there will be tall spikes of Foxgloves, and Tradescantia or Spiderwort for the edge of the pool. Its blue spikes are pretty all summer. In the few sunny spots against the trellis are Delphiniums with spikes of Madame Liane. Thalictrum or Meadow Rue gives pretty soft bloom and the foliage is always ornamental.

The fragrant yellow blooms of the Day-lily add two-fold to the garden's attractions and do well in the shade. The dainty Columbine nods gracefully in other shady spots. The foliage of the Funkia is a handsome addition to shady places, its lily-like heads of flowers are so pretty. The Japanese Iris, a July flower, is lovely by the stream, its horizontal blooms in contrast to the flufy spikes of Meadow Sweet. These are the perennials I chose for summer. To replace the Tulips and for the real mass of summer effect there is lovely deep colored Heliotrope filling the whole garden with its fragrance. It nods above little pink Fibrous-rooted Begonia (Prima donna), the favorite of our florists in the winter time, and which forms a mat of primulines raise their spikes, pink and yellow, to give a middle height. I chose the pink of Maiden's Blush, the lovely yellow of Souvenir and, for stronger deeper tone, Alice Tiplady. The Gladious were planted at intervals. They, with yellow Begonia and Heliotrope, carry the color harmony through till autumn and frosts come.

And finally, with the passing of summer when our eyes instinctively seek old golds, cloudy blues and soft lavender, and colors blending with September haze, could anything be finer than a large clump of Golden Rock Cress? It is the extreme right spot? For cloudy blue I planted Perennial Aster Climax, and found the pale lilac in Glory of Cowbell. Behind these, replace the tall spikes of the Delphinium, and interspersed with them are the stately creamy white panicles of the perfumed Actinia lactiflora.