

TEN CENTS

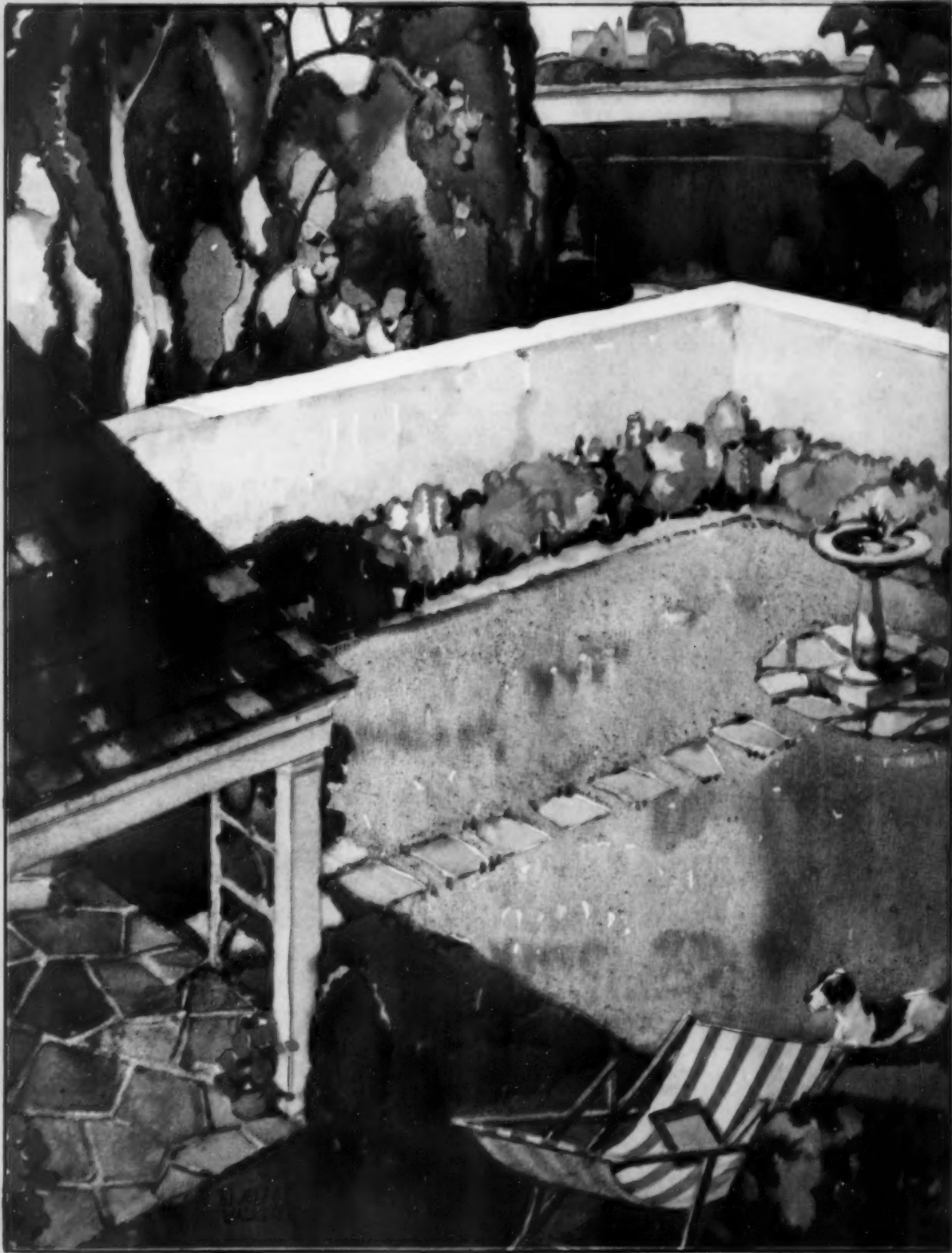
JULY

PERIODICAL ROOM
GENERAL LIBRARY
UNIV. OF MICH.

JUN 15 1928

The American Home

10



Published by Doubleday, Doran & Company, Inc.

Make This Same Mistake and your home heat will cost *too* much

WHETHER you know it or not, you can become color blind buying your boiler. You can make the mistake of being over-persuaded by its colorful jacket and general dollings-up; and give altogether too scant attention to its "innards."

It happens there are two ways of making these gaily decked boilers. One of them is healthy for your pocketbook. The other isn't.

The first way, is to cut out a swell looking jacket and then make a boiler to fit it.

The second way, is to first see to it that you have the best possible boiler, and then make a jacket to fit that boiler.

The second way, is the Burnham way.

As a result of this Burnham way, you get a boiler that gives you the height of fuel thrift and heat contentments. Besides which you get a decidedly attractive jacket that serves as a valuable heat insulator.

It's a direct saver of your money, as well as an ornament to your cellar.

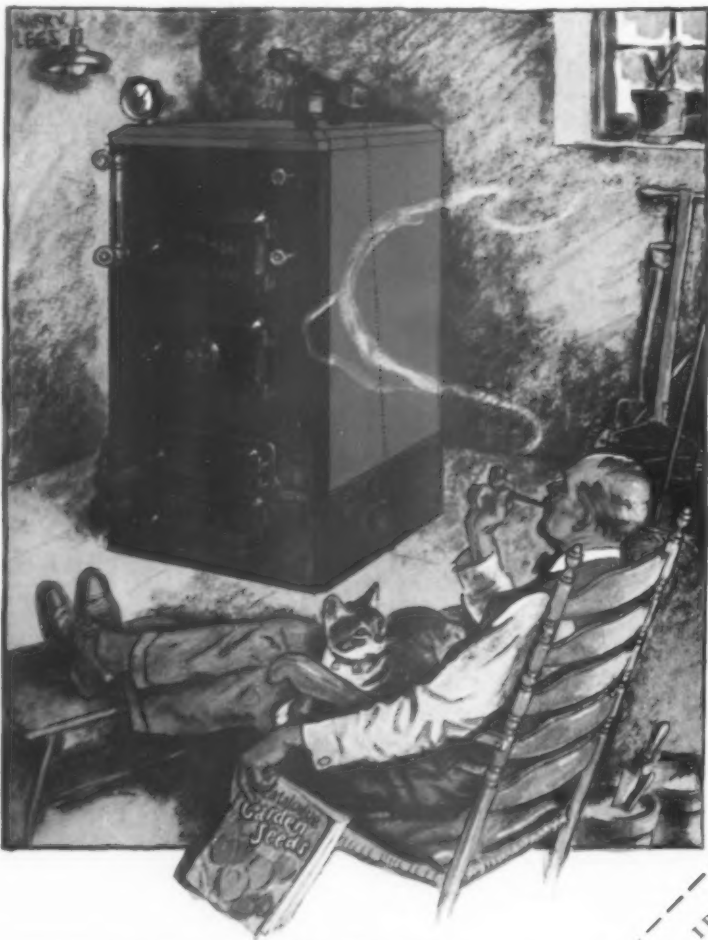
Furthermore, the Burnham jacket and the boiler come knocked down. You know exactly what you are getting both inside and out. After the boiler is up, and all the thumping and banging around is done, the jacket is put on. It is free from scratches, mars and dents.

If this sort of every-day common sense way of doing things appeals to you

and your pocketbook then see to it that you get a Burnham Boiler.

Send for Hither and Yon booklet. It is an odd name for such a printment. But you'll see why when it comes. We'll also enclose The Witching House Book which has an equally good reason.

Get the facts from us. You can get the Burnham Boiler Jacketed in Color from your regular heating man. Only see to it, that you get it.



Burnham Boiler Corporation

IRVINGTON, N. Y.

Representatives in all Principal Cities of the United States and Canada

BURNHAM BOILER CORP., IRVINGTON, N. Y.
Please send me The Hither and Yon Booklet and
anything else you think I ought to have.
Name
Address

DC
A
COUNT
WORLD
THE A
RADIO
SHORT
LE PE
EL EC
WEST
GARDEN
NEW Y
BOSTON
CHICAGO
SANTA
LONDON
TORONTO
DOUB
COP
RIG
Subs
class

Contents
for
JULY, 1929

VOLUME II

NUMBER 4

	PAGE
The American Tradition	466
Outdoor Rooms on Roof Tops and Terraces <i>Elizabeth Lounsbury</i>	467
A Home of Enduring Beauty <i>Harriet Sisson Gillespie</i>	469
The Legal Side of Home Buying <i>Albert W. Fribourg</i>	471
Cottage Types	472
A House For \$7,000	475
New Telephones and Cabinets <i>Vandy Cape</i>	474
The Lure of the Spanish House <i>Paul Windom</i>	475
The Spanish House in America <i>Paul Windom</i>	477
Decorating the Spanish House <i>Ethel A. Reeve</i>	481
The \$400 Home of a Novelist <i>Maristan Chapman</i>	482
Variety Spices Porch Decoration <i>Margaret Harmon</i>	485
The July Dinner Table <i>Louise Dunn Ambrose</i>	484
Building a House for your Car <i>Virginia Linder</i>	485
The Revival of an American Craft <i>Marjorie Lawrence</i>	486
Simple Accessories for Tempting Dishes	487
Through France Without a Puncture <i>Hanna and Nina Tachau</i>	488
Multiplication Tables <i>Anna Bogart</i>	489
The Return of an Aristocrat <i>Frederick W. Evans</i>	490
A Getaway for Next Year's Flowers <i>Ellen Eddy Shaw</i>	491
Making and Setting a Sundial <i>E. Bade</i>	492
Seeing the Flower Shows <i>Leonard Barron</i>	495
When the Steep Bank is an Asset <i>Anderson McCully</i>	495
Why Do Dahlias Get "Stunt"? <i>Charles H. Connors</i>	496
Devices for American Homes <i>Shirley Paine</i>	512
Hearthstone Booklets.	522
Shop Windows of Mayfair	550
In and About the Garden	540
Garden Reminders	542

ELLEN D. WANGNER,
Editor

LEONARD BARRON,
Horticultural Editor

FREDERICK KLARMAN
Art Editor

DOUBLEDAY, DORAN & COMPANY Inc., Garden City, N. Y.

MAGAZINES

COUNTRY LIFE
WORLD'S WORK
THE AMERICAN HOME
RADIO BROADCAST
SHORT STORIES
LE PETIT JOURNAL
EL ECO
WEST

BOOK SHOPS (Books of all Publishers)

NEW YORK: LORD & TAYLOR; JAMES MCCREERY & COMPANY
PENNSYLVANIA TERMINAL AND 166 WEST 32ND ST.
848 MADISON AVE. AND 51 EAST 44TH STREET
420 AND 526 AND 819 LEXINGTON AVENUE
GRAND CENTRAL TERMINAL AND 10 WALL STREET
ATLANTIC CITY: 2807 BOARDWALK
CHICAGO: 75 EAST ADAMS STREET
ST. LOUIS: 223 N. 8TH ST. AND 4914 MARYLAND AVE.
CLEVELAND: HIGBEE COMPANY
SPRINGFIELD, MASS: MEEKINS, PACKARD & WHEAT

OFFICES

GARDEN CITY, N. Y.
NEW YORK: 244 MADISON AVENUE
BOSTON: PARK SQUARE BUILDING
CHICAGO: PEOPLES GAS BUILDING
SANTA BARBARA, CAL.
LONDON: WM. HEINEMANN, LTD.
TORONTO:
DOUBLEDAY, DORAN & GUNDEY, LTD.

OFFICERS

F. N. DOUBLEDAY, *Chairman of the Board*
NELSON DOUBLEDAY, *President*
S. A. EVERITT, *Vice-President*
GEORGE H. DORAN, *Vice-President*
RUSSELL DOUBLEDAY, *Secretary*
JOHN J. HESSIAN, *Treasurer*
LILLIAN A. COMSTOCK, *Asst. Secretary*
L. J. MCNAUGHTON, *Asst. Treasurer*

COPYRIGHT, 1929, BY DOUBLEDAY, DORAN & COMPANY, INC. ALL RIGHTS RESERVED. TITLE REGISTERED IN U. S. PATENT OFFICE. Subscription \$1.00 a Year; for Canada, \$1.50; Foreign, \$2.00. Entered as second-class matter at Garden City, New York, under the Act of Congress, March 3, 1879.



A little residence in Kingsport, Tenn., designed by C. McKenzie (Photograph by Tebbs and Knell, Inc.)

THE AMERICAN HOME

Patriotism

IT IS unquestionably a desirable thing to teach patriotism in the public schools, and we do it better than we used to. A generation or so ago school children were taught Civil War recitations and songs, and the whole enterprise of inculcating patriotism was more or less a glorification of war.

To-day we are trying to forget sectional differences and to inculcate a pride in our country apart from its achievements in battle. We are telling our children less about military heroes and more about America's great power for peace. Our Independence Day speeches still glorify the flag, but deal less with the bloody scenes over which it has waved.

It is good to propagate this national pride, this patriotism, and yet one sometimes wonders whether we aren't still approaching it from the wrong angle.

It is difficult for a child to comprehend as a unit a country of thousands of square miles and millions of inhabitants. It is difficult for a child from New England or Virginia to visualize Montana or Arizona as a part of the national inheritance.

It is somewhat easier for him to understand the greatness of the state in which he lives, but even that is rather too extensive an idea for the immature mind to grasp.

Local history and local patriotism are easier of comprehension, and the child that is taught to take pride in his own town or city is beginning at the right end. From there he may in time extend his vision to national proportions.

And at the back and beginning of it all is the home. Pride of home, reverence for home, affection for home, loyalty to home lie at the very foundation of true patriotism. The home-making propaganda is the best training in national pride that the child or the adult can have.

Homeless people make poor citizens. Nomads are seldom patriots. Give us a nation of homes, with each family loving and beautifying and developing its own, and there will be small need for teaching patriotism.



★ The

Spencer scientific principle

Once a day, fuel is put into the magazine (A). It fills the sloping grate to the level of the magazine mouth (B). The fire bed always stays at the level shown at (C), for as fast as fuel burns to ash (D), it shrinks and settles on the Gable-Grate (E). As the surface of the fire bed (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.



BEFORE YOU ORDER NEXT YEAR'S FUEL see if you can save half its cost!

"Our Spencer Heater is giving perfect satisfaction. It requires very little attention, and saves 50% of our previous coal bill. We have figured that our coal savings in four years will more than cover the original cost of the Spencer."

Very truly yours,

K. A. Epremian,
Schenectady, N. Y.



Shown above is the newest style of Spencer cast-iron sectional heater, for any home and for small business buildings, furnished with or without enameled steel jacket.

Before you order fuel for next year, see how much more you can save than the usual summer discounts. A Spencer Heater will save as much as half the annual fuel bill for anthracite users, simply by burning No. 1 Buckwheat anthracite instead of the egg, stove and nut sizes that ordinary heaters require. With any small size solid fuel—coke, bituminous coal or anthracite—a Spencer Heater gives a better and more uniform heat, with attention only once a day, at substantial savings.

There is no magic, no hidden efficiency in the way a Spencer saves. It uses the same good fuel you have always used. You merely buy it in smaller sizes that flat grates won't burn right. Spencer Gable-Grates do burn small size fuels because they are sloped to let fire burn up-hill—the way it burns easiest and best. You burn these small size fuels efficiently, for the Spencer storage magazine lets fuel flow down to the fire of its own weight, by gravitation. This exclusive Spencer feature maintains the

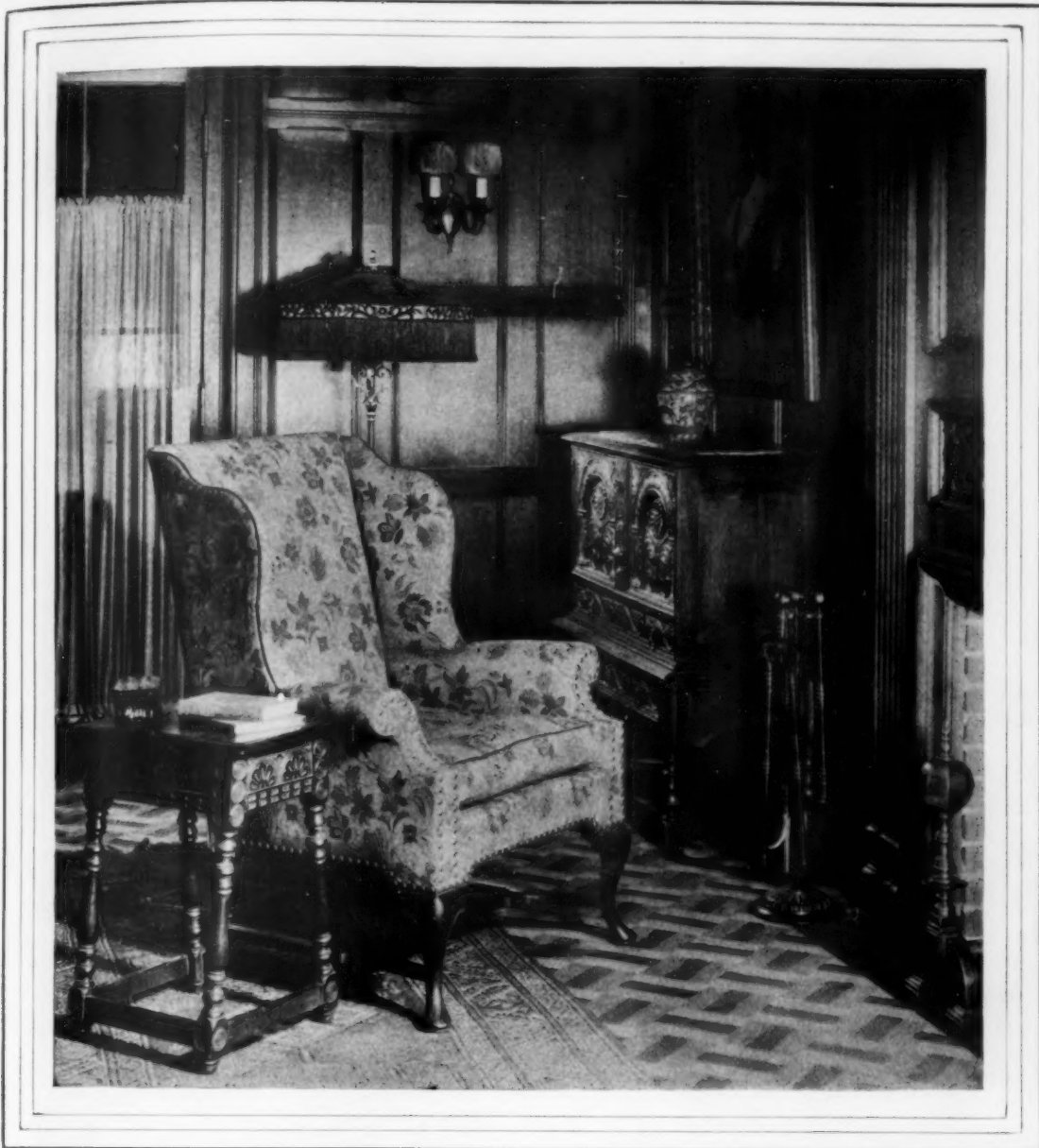
uniformly thin fire bed that is the most efficient way of burning solid fuel.★

It is no wonder that the Spencer was welcomed by anthracite users when it was introduced thirty-two years ago. It made such tremendous savings in the cost of fuel that it soon paid its first cost. Today, with mass production in vast factories, even the Spencer first cost is little more than that of ordinary heaters. Sooner than ever before, it pays its entire cost, and then makes savings of as much as half your annual fuel bill year after year.

Write for the Spencer book, "The Fire That Burns Up-hill." It tells in detail how the Spencer scientific principle for burning fuel can save as much as half the annual fuel bill. There is a Spencer for every kind and size of building, from bungalow to skyscraper, in cast-iron sectional or steel tubular types. Sold by all good heating contractors.

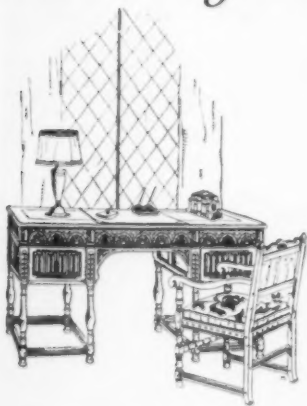
SPENCER
steam, vapor
or hot water
HEATERS

SPENCER HEATER CO.
Division of
Lycoming Manufacturing Co.
Williamsport, Pa.



© 1929, Kittinger Company

The Very Chair Every Modern Living Room Needs



This Early English desk and chair feature the Linenfold motif . . . in solid oak or solid walnut.

HERE is a fireside chair that seems to reach out to claim you for its own. Its comfortable depth with wing back and arms invite relaxation and leisurely enjoyment . . . the upholstery of new curled hair is resilient . . . the down-filled cushion never packs . . . its unusual beauty and the dignity of its solid walnut frame place it among your heirlooms.

Of a later English period, this Kittinger reproduction should not be confused with similar models of the earlier Queen-Anne type. There should also be no confusion with commercial chairs of this appearance built for competition. Like the other pieces in this group, all Kittinger furniture is of authentic period design, constructed throughout in solid Cabinetwoods, principally American Walnut, Honduras Mahogany and Oak, with a few in Maple.

Such pieces of furniture may be acquired from time to time to bring new charm to any room. There is assurance of durable service at so reasonable a price that there need be no sacrifice of budget expenditures for present-day luxuries.

Let us send you an attractive booklet on Living Room Furniture . . . profusely illustrated . . . together with names of dealers in your vicinity through whom you may purchase. Kittinger Company, Dept. 26, Elmwood Avenue, Buffalo, N.Y.

SHOWROOMS

Buffalo At Factory, Elmwood Ave. Grand Rapids Keeler Bldg. New York 205 East 42d Street Los Angeles At Factory, Goodrich Blvd.



KITTINGER

Distinctive Furniture



Photograph by P. A. Nyholm

THE AMERICAN TRADITION

The Puritan simplicity of Colonial days lives again in this house of white-washed fieldstone designed by Hunt & Kline, architects, for Mr. and Mrs. Robert J. Hochstetter, of Bronxville, N. Y. (See also pages 469 and 470)

THE AMERICAN HOME

JULY

1929

Outdoor rooms on roof tops and terraces

*In town or country try to plan a little space
for the open-air summer living room*

ELIZABETH LOUNSBERY

THE lure of outdoor living, which has become a dominant influence in American life, affecting the architectural setting and the manner in which city dwellers live, has opened new vistas in the possibilities of city life and has culminated in the development of the roof-top terrace. This does not imply any vast expenditure, for a comparatively small "extension" roof top, opening off a second or third floor room, can be equipped effectively and comfortably at moderate outlay.

We have learned to take advantage of every available space in the open that will remove us from the noise and dust of the streets and give rest to overtaxed nerves and weary eyes. The outlook for the more fortunate may be over a park, or it may include a river view, but even with those less favored, the opportunity to enjoy the air and a liberal skyline above the roof tops should not be ignored.

Let us consider then what can be done with an extension roof, whether in the city or atop a porch in a small suburban home. First, a supplementary wooden flooring should be laid to protect the roofing, to form an even surface for rugs, and to provide drainage when not in use. Any woven grass rug that would ordinarily be used on a porch may be used here. Block patterns may be bought to fit practically any space, since they are measured by the block, and they have proved to be both appropriate and

popular. In these, the squares outlined in black lend distinction to the setting. Japanese modernistic patterns of brilliant geometric combinations or of flowery add an even gayer note.

In converting the roof on an extension, at least one window of an adjoining room should be, if possible, made into a doorway, with double glass doors to make it easy of access. Where there is still an irregularity of floor levels, steps may be used in the room and outside.

AN AWNING properly supported is then the next consideration. This, with the ever increasing demand for color, may be as brilliant and varied as a sun-

set. The weather, however, should by all means be taken into account and strong sunfast material selected to withstand the ravages of sudden thunderstorms and the heat of the sun.

Woven chestnut fencing about five feet high may be used to enclose the roof, for safety and privacy, and to serve as a background for tubs of evergreens and boxes of climbing ivy and flowering plants. With a few comfortable armchairs and one or two occasional tables for magazines and general use, this delightful retreat is transformed into a comfortable porch in the heart of a city.

Another and similar treatment of a small extension roof has been enclosed in lattice overhung with trailing ivy. Two sides of the enclosure are, however,

fitted with windows that drop down to admit a current of air and provide an outlet. Above, is a soft toned green awning attached so firmly to the stanchion supports as to give the feeling of permanency. A striking grass rug of black and natural blocks covers the floor and the furniture includes woven reed chairs, tables, and a chaise longue, done in a gay pattern chintz. On the tables are bowls of flowers and a lamp, for this is used as an outdoor living room that may be converted into a sleeping porch when desired. Such treatment is practical not only in a crowded city in the center of congested buildings, but is also suitable for a suburban home where an upper



On this terrace the surroundings are hidden by a Cape Cod fence, painted a neutral color. The parchment colored furniture, banded with green and black, and the pink-orange and black waterproof chintz cushions combine harmoniously with a gray, black, and green awning (All photographs by courtesy of Polash-Mart, Inc.)



Japanese furniture with a tufa rock basin in the corner of a city roof terrace which is used as a dining room

An extension-roof of a New York house converted into a practical out-door living room, effectively and inexpensively (below)



flowered waterproof chintz cushions have been placed along the balustrade and stone urns filled with evergreens, so low as to insure an uninterrupted view that extends to the distant Palisades. A black and natural block rug has been used to cover the entire length of terrace. Another terrace that surrounds but two sides of a small apartment on the roof has also been enclosed in woven fencing with boxes filled with ivy, so supported on the outside coping that the (continued on page 504)

Here an extension city roof has been enclosed as an outdoor living room and sleeping porch, with assured privacy and protection from the weather

porch is within sight of the neighboring houses.

California claims the introduction into America of the gay awning fabrics that have followed in the wake of European impressionism. The large cities in the East, however, have also grown to understand the value of color and to accept it as a fitting accompaniment to somber gray walls, making it a sympathetic feature of external decoration in the treatment of the city terrace.

Bright orange, Burgundy red, blue, and green may be suggested as one example of combined color, and black, green, gray, and red are listed among the many gay striped patterns that add to the charm of skyscraper garden spots. Plain soft greens and turquoise blue are also used extensively. The scalloped valances of these awnings are effective when bound in black or edged with a narrow cotton fringe and, when not securely laced to the starchions, may be held by ornamental iron rods with spear heads in the manner of a canopy with open sides.

SO ARDENT has become the desire to provide the lure of country life within a city environment that even the set-backs amid the towers of the modern office skyscraper are now designed so that they may take on the aspect of the hanging gardens of Babylon. Surely this is a





Like a seventeenth century New England interior is the living room, with massive oak beams across the ceiling and with the entire fireplace wall sheathed in mellow old pine. Old oil lamps with pewter reflectors, electrically equipped, light the overmantel (Photographs by P. A. Nyholm)

A home of enduring beauty

*Of whitewashed stone and timber the house
in our frontispiece cost only \$12,000*

IN A group of inviting small houses in Bronxville, N. Y., some already built, others in the course of construction, there is one having both the distinctive quality of the early Pennsylvania farmhouses and the appeal of the provincial New England home. But for the pointed dormers, the gabled porch repeating this silhouette on a larger scale, and the more rugged construction, this house might well have companioned any of those quiet, serene little dwellings "down East." It demonstrates how closely the human quality is linked in all forms of provincial architecture, for the pioneer home was the perfect architectural expression of a home-loving people.

HARRIET SISSON GILLESPIE

This artless adaptation of two important trends in Early American architecture is the product of the taste and skill of Hunt & Kline, New York architects, and was designed for Mr. and Mrs. Robert J. Hochstetler, who have a penchant for the Puritan simplicity of the Colonial.

In eastern Pennsylvania, with its abundance of ledge stone lying close at hand, it was quite natural that the artisans of an early period should have chosen this stone as a medium, in lieu of the timber which predominated in the East. And it is the very nature of the

more rugged material, with its subtle blend of austerity and charm, that makes an irresistible appeal.

In this home both of these materials have been used. Although it may seem to be these contrasting elements in the building material, rather than a close adherence to type that so snares the fancy in the Hochstetler dwelling, yet were it not for its satisfying proportions and the rhythm of the composition, the house would in all probability fall short of distinction.

It is compact in form and in friendly relation with the soil. The distinctive dormers charmingly designed, the well-placed openings, the staunch squat

chimneys, squarely straddling the peak of the gabled roof, and the characteristic ell, whose roof, sweeping down to enclose a cheerful small porch, savors slightly of the Dutch influence, are all in perfect accord. The small house looks out upon the world with an air of guileless sincerity and forthright honesty that commands the utmost homage and respect.

Set on a knoll in the shade of tall oaks and birches, it is snugly envired, yet free from encroaching habitations. Since the house is practically centered in the 100 by 100 foot lot, the windows, front and rear, command extensive views of the picturesque rolling country, dotted with fine trees, for which Bronxville is famous.

The lot slopes gently up from the street to the building line, then falls sharply in a drop of seven feet to the rear. A low retaining wall to the left masks the sudden descent and adds materially to the dignity of the setting. A site of this nature is likely to give rise to an awkward architectural problem, possibly an inharmonious rear elevation, but this difficulty was overcome here by the introduction of an arcaded stone porch across the entire width of the house at the grade.

Beneath the graceful arched openings, access to the main hall, to the basement, and to the two-car garage on the extreme right is possible. A stout batten door in the hall, and two steps down lead to the car directly without the necessity of going outdoors.

An informal stepping-stone path leads from the street to the captivating Dutch door, dressed in the hand-forged iron fittings of the period. Just inside the entrance is a

graceful structural arch which defines the little vestibule with its coat closet but does not separate it from the hall. In a small house where the entire floor plan is more or less obvious, it is the wiser course to follow, as the architects have here a uniform style of treatment in the setting.

The salient feature of the hall is the naïve pine staircase of rugged craftsmanship with its decorative, neatly turned balusters, one for each tread. With it, the batten doors, set in plain flat framing, almost flush with the rough plastered, hand-trowelled walls, are in pictorial accord.

Through the broad opening from the hall, the varied charms of the old-time living room, reminiscent of a provincial Connecticut interior of the seventeenth century, are revealed. Mellow pine, unstained, but waxed to a soft patina to bring out the amber tones of the old wood, form the woodwork and trim,

with stout oak for the structural beams of the massive ceiling and the huge lintel spanning the wide, low fireplace.

The sheathing of the entire fireplace wall with pine and the fine, simple overmantel of vertical pine boarding matched with beaded moldings and flanked by flat hand-hewn pilasters savors of the old Massachusetts houses at Ipswich or Topsfield in which a more definite effort toward decorative effect in the homes of the early colonists first appeared.

Like an old country dresser are the tiered shelves, built to the ceiling at either side of the fireplace, to hold books, old china, and that vital modern necessity, the radio. An amusing scalloped apron of wood finishes the top, while a smaller edition over the window acts as a wood valance for the curtains.

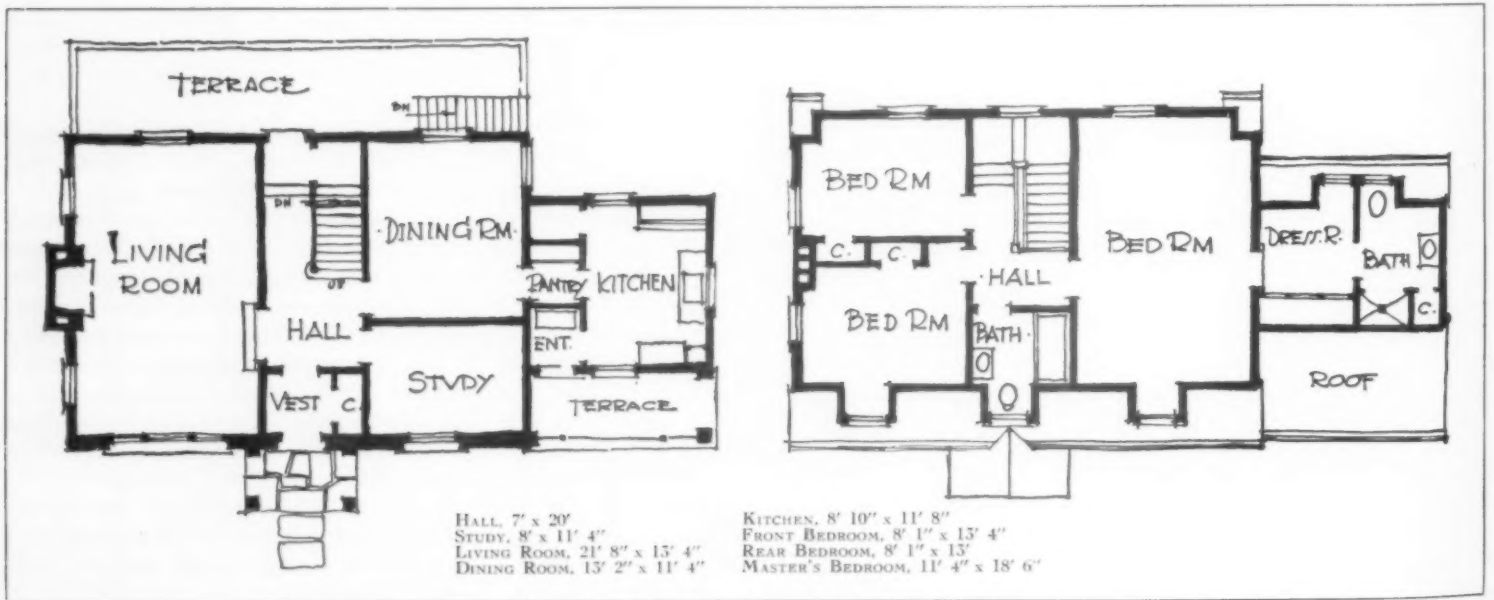
As every woman knows, with the formidable initial expense of a new home, it is not always possible, nor is it advisable to furnish it completely at the outset. Mrs. Hochstetler, however, determined at least to indicate her decorative scheme in her window draperies, even though there should be a hiatus before the work could be carried to completion.

She wished to retain every bit of light and sunshine that poured into the living room from three sides, even to accentuate the gayety by colorful hangings that she might offset the rather quiet character of the pine woodwork. So she hung bright chintz in the engaging feather pattern, a copy of an old design, over glass curtains of cream net at the windows.

This at once brought color into the room: the blue-green morning-glories, the dull pinks of (continued on page 498)



One of the dormered bedrooms, with small-sprigged wall-paper, apricot ruffled organdie curtains, a low post maple bed with candlewicking spread, and a rush-bottomed farm chair, indicates the quiet charm of the upper rooms





Charming homes, such as this one, need protection just as any valuable possessions do. Insurance is one way, but first should come legal advice about contracts. Then you are sure the home is yours

The legal side of home buying

The first of a series of articles on every phase of this important question

ALBERT W. FRIBOURG

Member of New York State Bar

WHY do you lawyers make such a fuss about buying a house?"

I had just closed the contract for a client who was buying a suburban home. For three hours, we had struggled to devise an instrument that would be satisfactory to both buyer and seller. And now that everything was arranged, my client was wondering why all lawyers were so "confoundedly technical."

"Last year," he said, "I bought an automobile. When I decided what car I wanted, I went to the agency, paid my deposit, and signed a printed slip. That was all there was to the making of the contract. Why can't I buy a house as easily?"

That question led to a long discussion of the difference between personalty and realty. Boiled down to the fewest possible words, the difference is just this. If you buy an automobile from a manufacturer there is a strong presumption that the manufacturer owns the automobile, and all of it. You need not delve into his

domestic affairs to make certain that his divorced wife will never have the right to ride in one-third of the car; you need not examine the judgment docket to find if there are any unsatisfied judgments against him, nor worry about his promptness in paying taxes. But if you buy a parcel of real estate, you will have to be careful about all of these things and many, many more.

I have just closed a book which defines real estate as a "bundle of rights." The author, by this cryptic definition, meant to imply that a man who owns real estate has a large number of rights in respect to his property. He has, for instance, the right to sell the land, the right to build upon it, the right to keep strangers off it, and so on. But frequently the "owner" of the land does not possess all of these rights. The bundle of sticks is divided, and while one person possesses a majority of the sticks, some of them

are owned by others. When a person buys real estate, he must be very careful to see that he gets all the sticks.

When a married man buys real estate, his wife immediately gets an *inchoate right of dower* in the property. This right, which has little practical importance during the husband's life, entitles the wife to a life interest in a third of the property after his death. There is nothing the husband can do, without his wife's consent, to deprive her of this right. It is one of the sticks which is not in the owner's bundle. When buying land from a married man, it is necessary to have his wife join in the conveyance by signing the deed, in order that the purchaser may get her right as well as her husband's whole bundle of rights.

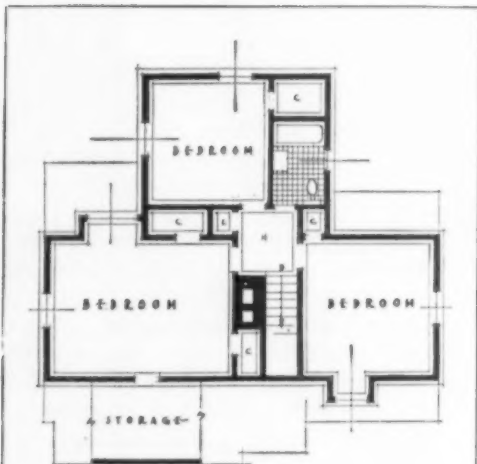
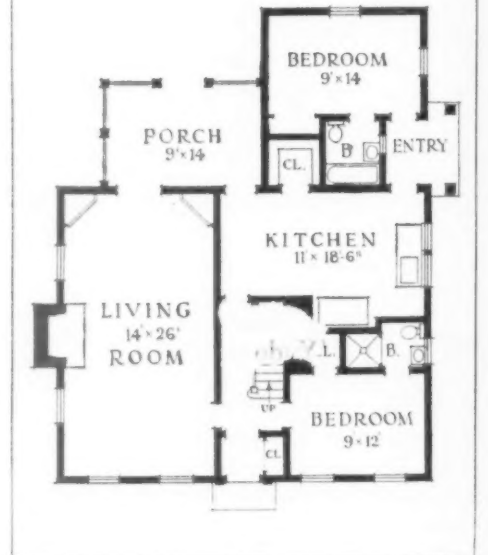
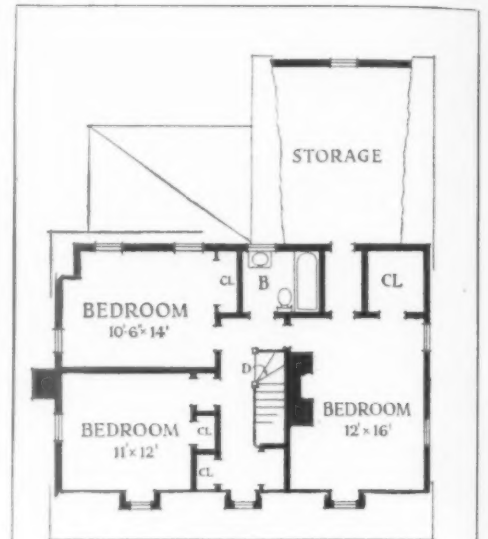
There are other rights which may cause trouble. A short time ago, I attended an auction sale in a well-known New York suburb. The auctioneer was one of the most famous and reliable real estate men in the country. Before accepting bids, he picked *(continued on page 502)*

COTTAGE TYPES

An English example
and an American
one



The Cape Cod cottage, above, designed by Alanson H. Sturgis, possesses all the charm inherent in this type of architecture. It costs \$11,254 to build. The plans, right, show some individual arrangements which particularly suit the needs for which this house was designed. There are two bedrooms and baths on the ground floor and three on the floor above. The porch serves as a dining room. The architect estimates the size of the house at approximately 32, 428 cubic feet



The English cottage style, as exemplified below and on the next page, vies with the Colonial in popularity. The architect who designed this for THE AMERICAN HOME, Theodore W. Davis, suggests that the house be built of buff colored stucco and common brick, the roof be covered with heavy asbestos shingles in slate tones laid in graduated sizes, and the woodwork and trim be stained a weathered gray. Mr. Davis estimates the cubage of this house at 19,000 cubic feet and believes it could be built for about \$10,000. The plans, at left, are simple and eminently livable



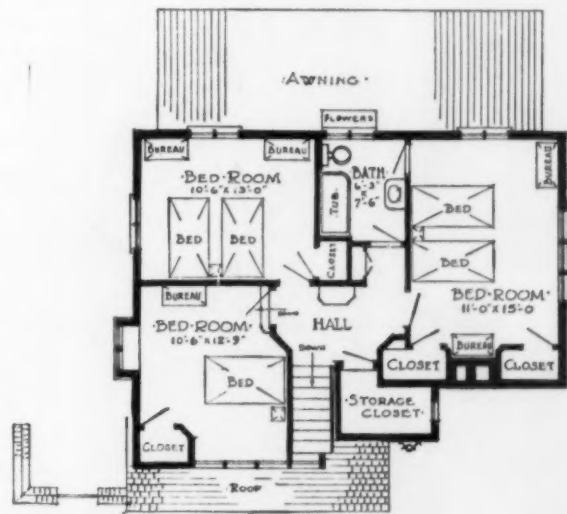
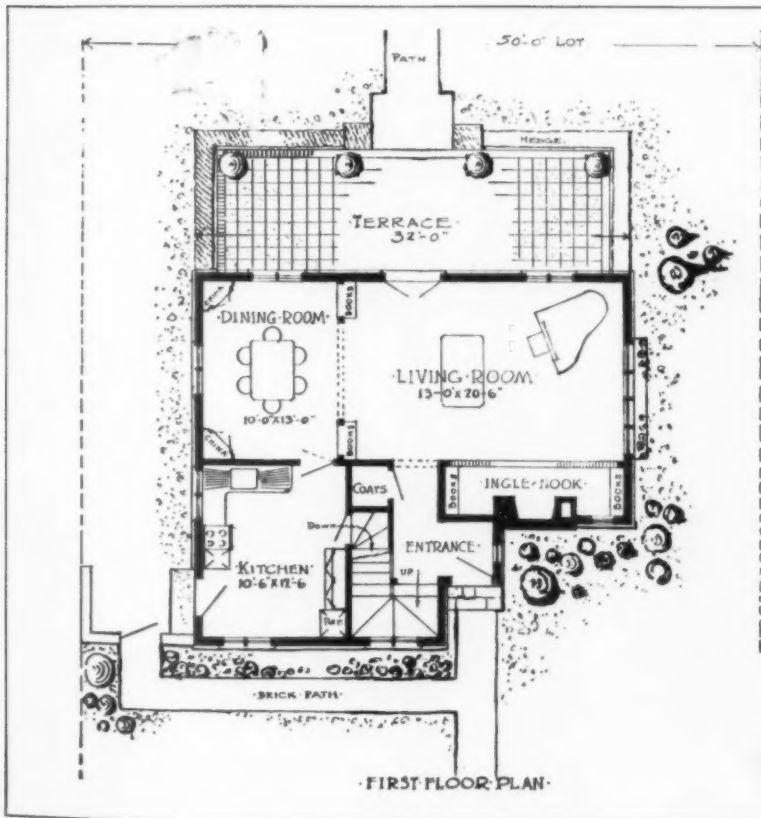


The architect would build this house of rough cast plaster on lath over wood frame; the foundation walls to be cinder concrete blocks veneered above grade with common hard brick laid in mortar with wide joints. He suggests a shingle roof, stained red. The barge boards, open roof eaves and half timber work are to

A HOUSE FOR \$7,000

Designed for THE AMERICAN HOME
by LAWRENCE VISSCHER BOYD

be left rough from the saw and stained tobacco brown. The chimney pots of terra cotta should be either salmon-red or painted a contrasting color. The wood casement sash should be ivory white. The sun dial on the chimney face may be of metal or it may be painted in a contrasting color on the plaster



This house, being only 32 feet long, will fit comfortably on a 50-foot lot. The architect has planned it to include every comfort possible in this size house. He suggests a simple trim for the interior, painted in various flat colors to suit the owner. In the living room and dining room he would have a sand finish plaster and in the other rooms a hard white plaster or some kind of wall board, the walls to be tinted or papered

New telephones and cabinets

*Having become decorative and efficient,
the home telephone is now movable*

FEW persons realize, perhaps, the delightful possibilities of the portable telephone. This new convenience does not, of course, take the place of the permanent and extension outlets already installed. It merely adds that little touch of comfort so pleasing to fastidious housekeepers.

Extra telephone outlets ("plug-in jacks" they are called) can be installed by the telephone company in any room in the house for a nominal sum. The cost of installation depends upon the amount of wiring to be done. If the room, or rooms, in which additional plug-in jacks are wanted, are far removed from the permanent or extension telephones already in use, the cost of wiring will be greater than if the rooms are close by. This additional wiring is usually done by taking out the baseboards in the room to be wired and running the telephone wires behind them to the exact location most convenient for the telephone that can be later plugged in and out at will. The baseboards are replaced after the wiring is completed and when everything is finished nothing is visible except

VANDY CAPE

a neat little plug-in jack in the wall or baseboard.

The plug-in jack looks much like an ordinary electric light outlet and is used as we use an electric wall plug for a vacuum cleaner or an electric toaster—by simply plugging into the outlet. It is not

possible, however, to plug the telephone into the electric light outlet or vice versa.

The convenience of these little jacks is an incessant source of delight. A card party is engrossed in a game of contract out on the sun porch. The telephone rings. Without disrupting the bridge playing, the call may be answered. It is not necessary to leave the table, because a far-sighted hostess before the playing started connected a portable telephone for use in just such an emergency.

Perhaps someone expects a call while he is at a meal. How simple and how much less upsetting to the meal, if the maid hands the phone to the person who is called, and he answers without leaving the table.

A devoted young mother, who lives on Long Island, insists upon bathing the baby herself each morning. As she is a popular society member and is much sought after, she conceived the idea of having telephone wires installed in her bathroom so she could plug in her portable phone, if she were called while baby was having his bath. (continued on page 498)



A cabinet in the Queen Anne style (above) that obligingly retires into a corner and at the same time becomes an unobtrusive part of the decorative scheme



Forthright and honest is this telephone table for the study or den (left). With its air of comfortable stolidity, it will please the man of the house. The side shelf may be used for either a standing or hand telephone



A sunken groove in the shelf on the door of the cabinet topped by a bronze dog (right) keeps the telephone from sliding off when the door is opened



Our conception of Spanish architecture frequently differs from the actuality. This house has a sturdy beauty capable of development, but it is lacking any frills or fussiness (Photographs by Paul Windom)

The lure of the Spanish house

Notes by the architect whom The American

Home sent on a 10,000-mile journey

PAUL WINDOM

EDITOR'S NOTE

Mr. Windom is discovering for us much valuable material in Europe. His notes and photographs give us the fundamental architectural styles; his own designs show how European architecture should be adapted to American needs. For nearly a year he has been traveling in England, France, Spain, Italy, and Sweden. This is the second article in this series.

THE minor domestic architecture of any established civilization, particularly that of the rural districts, has inevitably a charm and a distinction; not because it tends to follow any general and well-defined rules of architectural design, but because of its entire harmony with its surroundings or locale, and especially because of the spontaneous, unaffected, and perfectly honest manner in which it reflects the character and occupations of its creators. Spain, because of its peculiarly dramatic landscapes as well as the individuality of its peoples, offers in its humbler architecture as in that of its more important buildings unique and varied qualities of picturesque character.

In the United States, southern California and Florida are the regions wherein the Spanish house probably finds itself most at home, because of a similarity of landscape and of climate, the two most powerful influences tending to shape the development of a domestic architectural style. Nevertheless, the Spanish

design freely handled can be suited to any part of the country.

The province of Andalusia probably comes closest to offering examples of small house architecture suitable for transplantation abroad, although much could be found in Mallorca and in the Northern provinces which lends itself to adaptation. The farmhouses of Galicia and Catalonia are delightful and individual, but generally speaking their successful adaptation to American needs would involve greater cost and would present a number of more serious obstacles in the preservation of their original aspects.

On the other hand there are houses in the fertile olive country lying between Granada and Seville which in adaptation do not lose so many vital architectural features, because of their original size, simplicity, and economical construction. It was, therefore, along the Guadalhorce and in that rich valley of La Vega, in Andalusia, that the following condensed notes were taken down.



An important feature of Spanish architecture is the flower-pot. In this patio at Ecija flowers bloom everywhere



The general aspect of the houses is as follows. The roofs, of brown or gray-brown tiles rounded in the Spanish manner, are of very slight pitch. Their ridges and hips are commonly whitewashed. The chimneys—one or two to a house—are of almost standard design. Gutters for rain water are very few.

There are but few windows in the houses and they are generally small. Most of them are protected by wrought-iron grilles and they are never shuttered on the outside, but they have hinged panel blinds within, as shown in the detail on page 480. The windows are composed, usually, of double wooden casements, averaging three panes of glass to a sash. The wooden muntins are more often unpainted than not. The windows frequently have little hoods over the grilles and a row of flat, whitewashed tiles imbedded in the wall of the house. The more pretentious houses, and those nearer to the towns, have molded cement canopies or hoods over the windows with a tile sill below the grille. The grilles are, for the most part, unornamented. They are of iron painted black or left to rust. The grilles are usually square and the bars are never interlaced, but are mortised one within the other. The bars are light in weight; a section one-half inch square is common.

The doorways are of oak or chestnut and are often studded with nails. They are always double and are usually unpainted. The door sill is of stone. Door knockers are rarely found on the door of farmhouses, which are generally fastened with heavy iron bolts.



Broad white wall surfaces, and rippling brown roofs are necessary architectural details

Dormers, like the one at the left, are rarely built in Spain, the roofs being of very slight pitch

The "outside stair, with a graceful wrought-iron handrail is a common feature in court-yards



Niches for shrines are common on the outside walls of the houses, either under the eaves, over the main entrance door or gates, or in the gable ends.

There is very often a seat flanking the doorway made of cement and either whitewashed or capped with tiles. The house walls are often painted a darker color for about three feet above the grade. The walls are built of mud and rubble about two feet six inches thick and are heavily whitewashed.

The forecourt, when there is such a thing, is roughly cobbled. Grape arbors, a common feature, are of massive whitewashed posts or pillars supporting light roundels whose ends are often imbedded in the house walls.

I wish I could emphasize the importance of whitewash and flowerpots in the architecture of southern Spain. Flowerpots big and small, in groups, clusters, and individually are everywhere. No grilled window is complete without a collection of pots within and they hang about the house and courtyard walls.

As for the interiors, a typical plan is indicated on page 478. This very accurately delineates the average Andalusian living room. The walls are whitewashed, often with an ochre color added to tone them down. There are a few cupboards in the room as shown on page 480. The ceilings are beamed; the heavier joists are roughly squared, and the lighter ones are round and plastered or whitewashed in between. The shutter hinges (on the inside of the windows) are L-shaped with wrought-iron latches.

The mantel hood has a shelf of wood, whitewashed, and brightened by a row of copper basins, brass lamps, ladles, assorted bottles, and occasional earthenware plates or crockery. I saw no pewter. Iron utensils at the hearth are few—usually a kettle stand or tripod, a toasting fork, and a poker.

A bird-cage is indispensable to the room. The furniture, the few pieces there are, is very simple. There are no large tables. A water-jug rack made of wood or cement is necessary to the housekeeping duties. The hearth, under the large flue, is small. The stairs usually have an oak nosing and tile treads and risers, although they are very often made entirely of cement whitewashed. The rails are of solid cement and are generally about five inches thick. The stairs to the second floor are incidental.



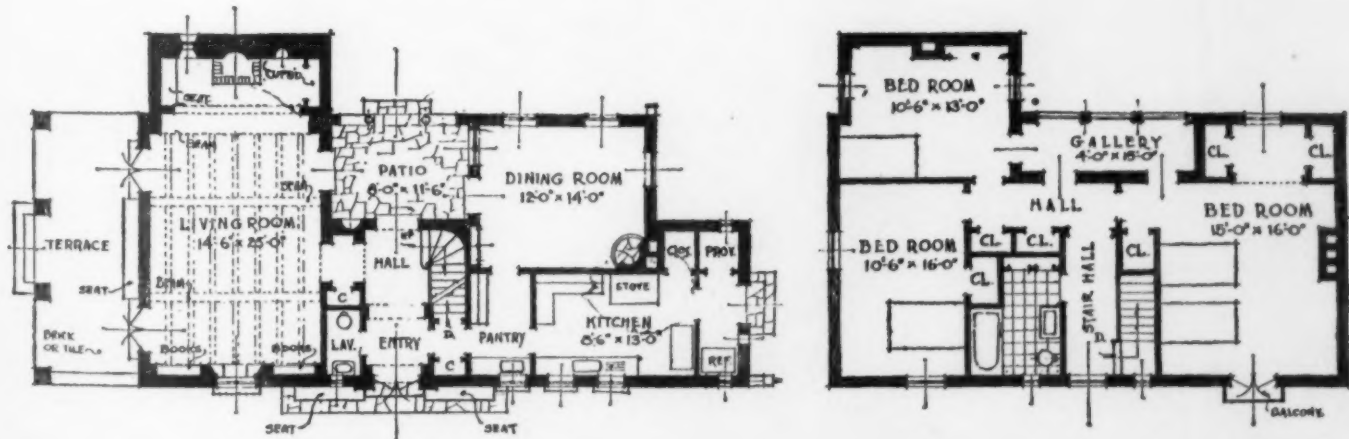
THE SPANISH HOUSE IN AMERICA

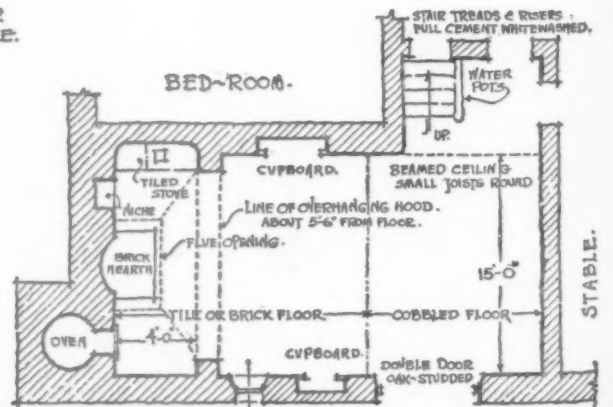
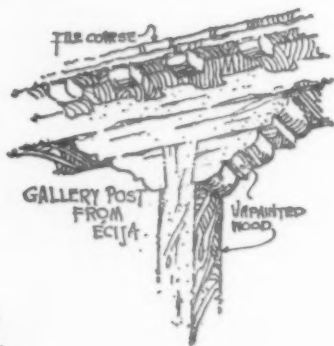
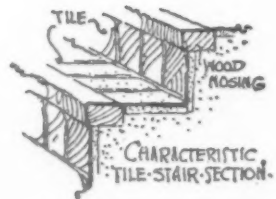
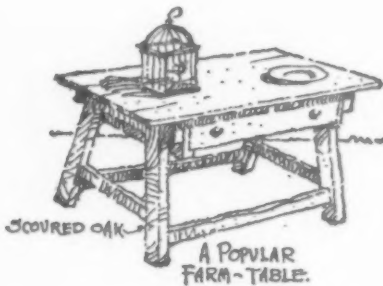
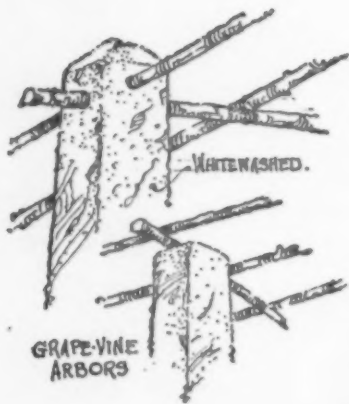
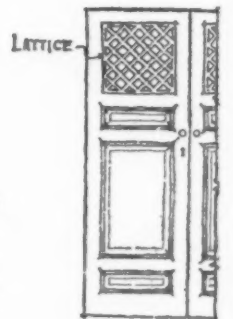
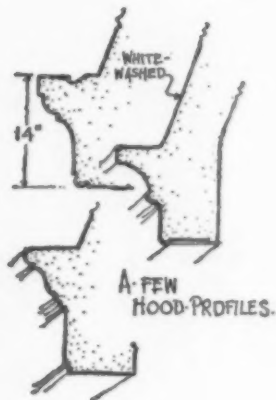
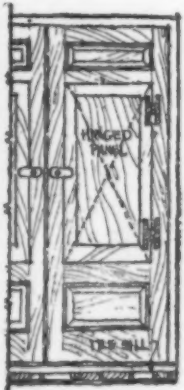
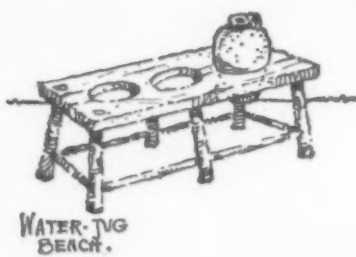
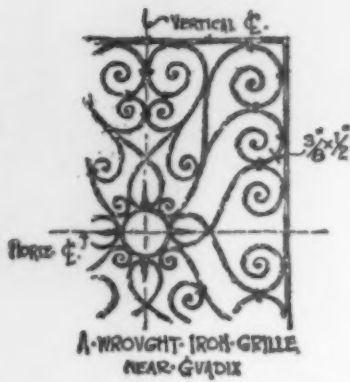
*Designed in Spain by PAUL WINDOM, Architect,
especially for THE AMERICAN HOME*

The keynote of Spanish architecture is simplicity. The front elevation of Mr. Windom's design, (above) has the repose that is inherent in true Spanish architecture. At the left end is the terrace (see also side elevation at right),

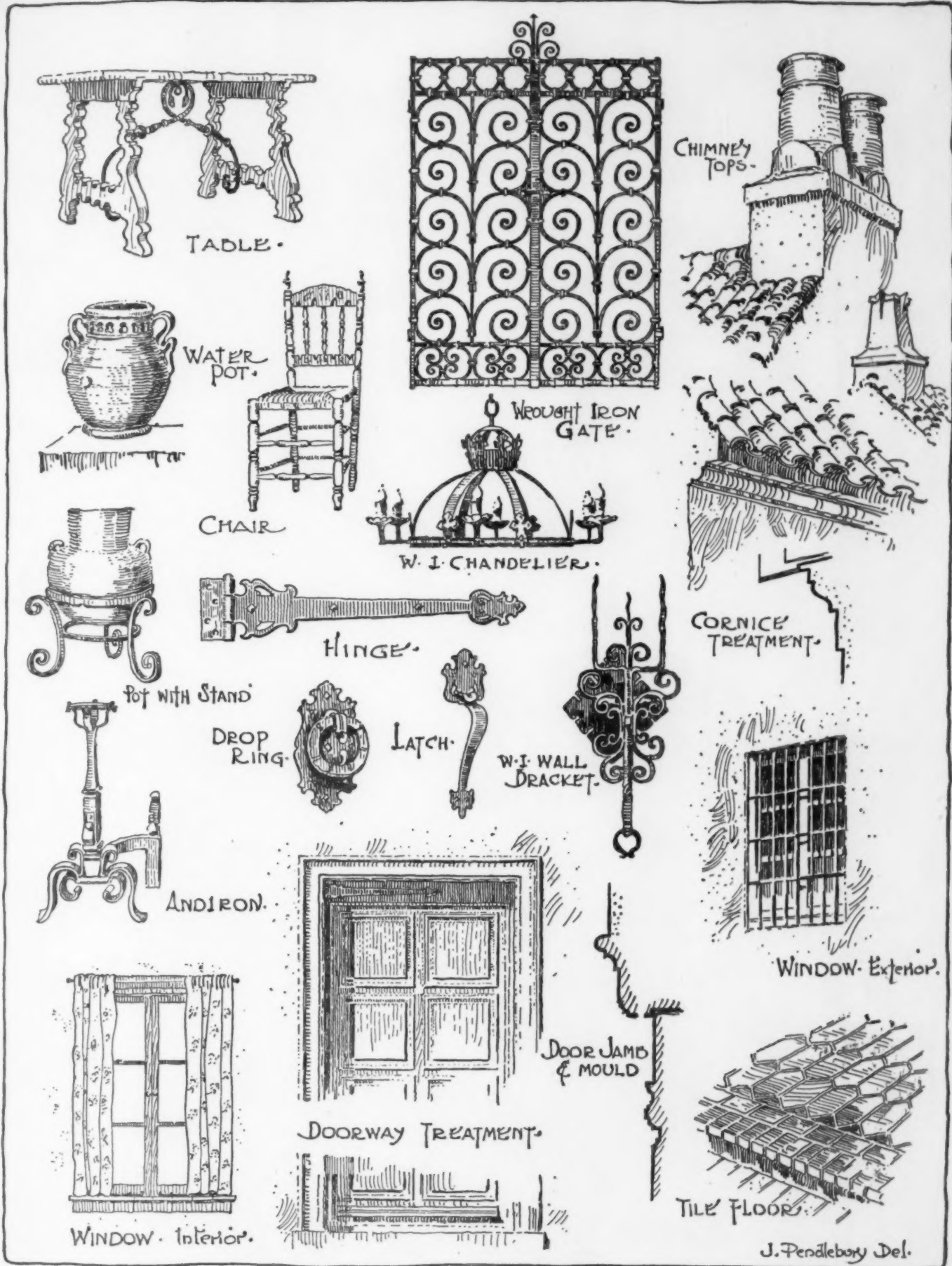


at the right end (above) is the wall around the service yard. In the plans (below) notice the bookshelves recessed in the living room, the simple, large hearth opposite, and the semicircular fireplace in the corner of the dining room





TYPICAL PLAN OF ANDALUSIAN FARM LIVING ROOM (HOUSE NEAR ATQUEVIRA)



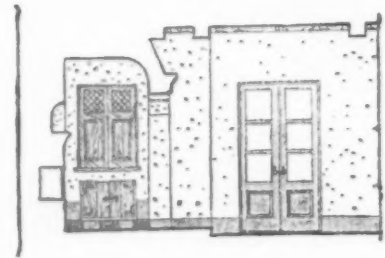
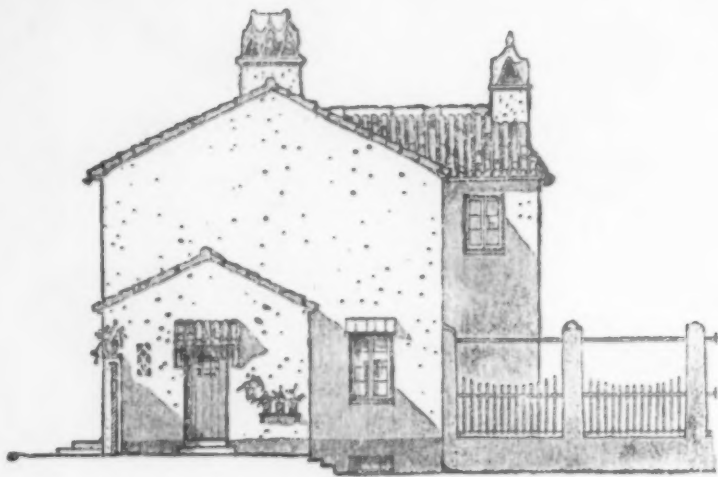
J. Pendlebury Del.

On the opposite page we reproduce various details of Spanish houses which Mr. Windom sketched in Spain. Here are some furnishings and equipment which can be purchased in America. There are several importers in New York who handle nothing

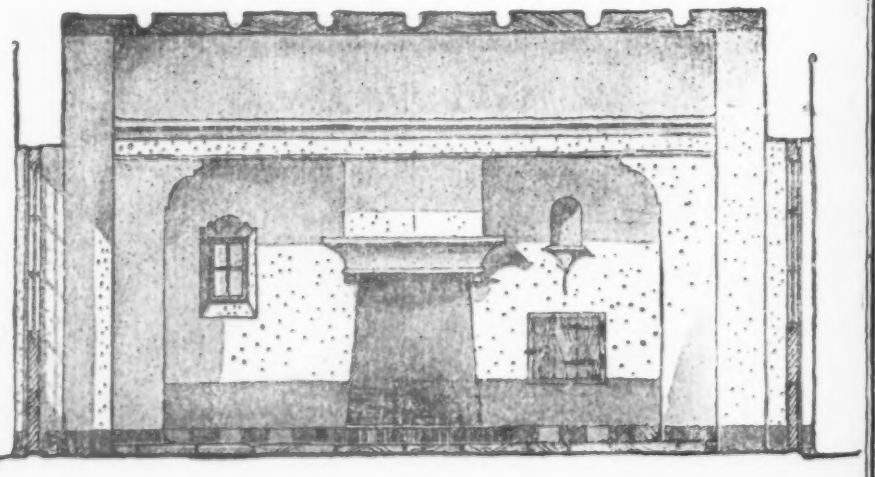
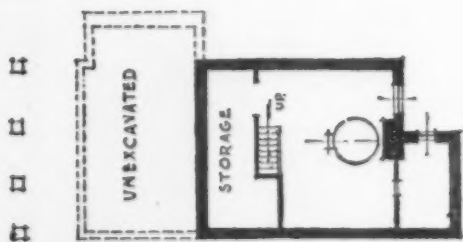
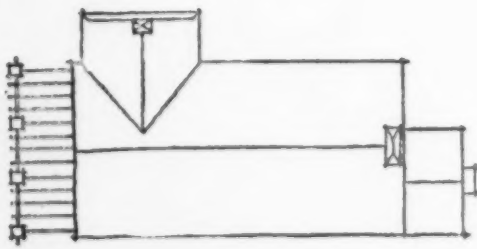
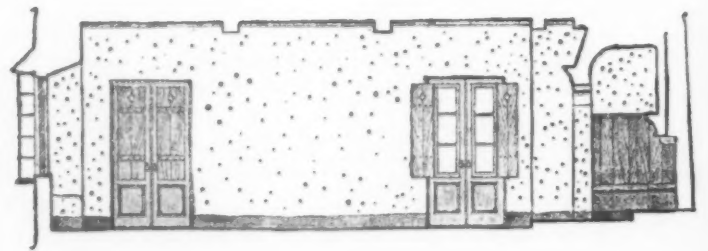
but Spanish furniture. Spanish tiles are beautifully reproduced in this country, as well as Spanish grilles and iron work. The Spanish table, (upper left) is particularly popular in America as are also the water jugs and wrought-iron work



Spanish houses usually present a forbidding exterior on the street side and an open, smiling countenance on the garden side. Mr. Windom has preserved this feeling in his design. He has not built his house around a patio, as they commonly do in Spain, but has used a sort of loggia on the garden side, as a patio. This can be enclosed in winter and, as in Spain, it serves to connect the living room and dining room. The kitchen end, with service yard fence, is shown in the picture at left



At the right, above, one looks toward the living room door, which opens on the patio. The cupboard is at the left. In the middle picture one sees the terrace end of the living room with the shuttered doors in the Spanish manner. At the right, below, is the fireplace. Below is the roof plan and the cellar plan





Spanish lanterns, Spanish tables, a Spanish grille, armchair, and stool all find their places in the decoration of this lovely Florida house, which is not, strictly speaking, Spanish (Photograph by Mattie Edwards Hewitt)

Decorating the Spanish house

*Simplicity, in this of all famous styles,
is the most important element*

ETHEL A. REEVE

Member of Decorators' Club of New York

LIKE every other country in the world Spain has repeatedly come under the spell of the foreign. At one time the Oriental influence was almost dominant (it has never been entirely lost) and the Italian of the Renaissance and of eighteenth century Venice can easily be traced. Even the Chippendale and the Louis XVI manner, to say nothing of the Pompeian, found their way into the Spanish furniture and *décor*. The results of these hybridizations are astonishing for in every instance a certain strength and bigness peculiarly Spanish are to be found. These people are not copyists. If they use foreign motifs they are incorporated into the style with a vigor and freshness that are amazing.

Spanish houses are colorful and most of the color is built right into the house. They use tiled dados and floors, tiled shelves, ornamental plaster friezes below the beamed pine ceilings, panelled doors and shutters, hooded fireplaces with tiled hearths, stairways laid with tiles on



This picture, made in a small Spanish farmhouse, shows the crude, honest furniture—so simple and so dignified

treads and risers, deep plaster reveals to the windows, and smooth-textured whitewashed walls. Certain of these details—not all—are essential in order to give the background the proper character for the furniture, the amount of which is likely to be small, although its quality is high.

In Barcelona I visited a smart club with a suite of delightful and characteristic rooms, worthy of description. One enters the building from a semi-exterior courtyard with overhanging tiled eaves, the walls being done in a fresco of figures in sienna on a lighter ground. There is a fine wrought-iron hanging lantern and a beautiful wrought-iron stair rail. The stair leads into the first room on the second story. This room has whitewashed walls and carved walnut peasant chairs interspersed with simple ones in red velvet studded with large brass nails. A fine old chest and a table complete the assemblage. In the next room the walls are completely (continued on page 514)

The \$400 home of a novelist

The author of "The Happy Mountain" tells how and why this cabin was built

MARISTAN CHAPMAN

FOUR hundred dollars is certainly not enough," we said, "Nobody could build a house for that!"

But it was all we had when we left the army—our last pay check; and our only other assets were an old Ford and a change to citizen clothes. We were in dire need of a home, where we might heal ourselves of war and make a new life. Only the consideration that a house is primarily a home emboldened us to make the attempt. We had proved ourselves capable of making a home in a hotel room, in an army tent, in a riverside warehouse, in a twenty-foot, one-cabin houseboat—so four walls and a roof of our own offered great riches.

All the factors in the problem being *x*, we called our place "X Shack" and expended two hundred dollars in rough lumber and in still rougher local labor. That was in July. During the summer we camped out all over the South, and in October we wrote to ask our carpenter if the shack was ready. He told us "yes," so we toured happily toward it, planning all the details that fit the hearts of homemakers. Late upon a cold evening, we reached "home"—four large flat rocks marking the foundation corners.

On being reproached, our highland factor said: "I thought you'd as leave have a pleasant word gin you aimed to come anyway. I ain't to blame it's been too dry to get the timber sawed."

So we camped out in an auto tent through November. And the autumn rains came down for two weeks, so that water stood inches high and drowned us out of our sleeping bags. And there was poor chance of cookery with no dry fuel. But soon Indian summer was with us, and December thought May had come again. In these golden days we put up our house, and paid out a third hundred

dollars for lumber and labor. And in the treacherous nights and chill early mornings we sneezed and coughed, and when the first snow fell, we crept into the empty shack to sleep; and came out again to warm ourselves and to cook food over twig fires.

The framing for the house was of mountain pine sawed at a local mill. The frame was covered with poplar weather-boarding that we were fortunate enough to find in stock at the local lumber company's plant, and these merchants, after some searching, also discovered sufficient pine ceiling to line the inside walls. We used tongue and groove boards for the inside floors and these were of No. 3 grade pine that looked decidedly unpromising, but the boards were carefully laid and, when painted, made a tight and serviceable floor. The entire shack measured only 16 x 32 feet, so it took only a few thousand feet of sawed lumber, and that of a quality that could be had for thirty-five dollars per thousand feet.

It may seem surprising that we did not build a log cabin in the midst of our wooded hills, and this was our first intention. We soon discovered, however,

that a log cabin would be more expensive, due to the labor cost of cutting, preparing, and placing the logs. Furthermore, when a stand of suitable timber was found, it proved to be sold already, (on the hoof, so to speak) with the rest of a vast tract, to a manufacturing concern.

The secret of the low cost of our little house was the use of local material and unskilled labor. Milled lumber was bought direct from the plant and transportation was practically nothing.

BUT TO go on with the story—the porch floor was made of mountain oak, and against our desires our mountain carpenter insisted upon laying it with half-inch spaces between the boards. "Leave the rain run through," he explained, "and it won't never rot, won't that porch." His wisdom was shown when, after a season of heavy weather, our porch warped itself together very neatly. If it had been close-laid in the first instance it would have warped into humps.

Windows and roll-roofing we bought from a mail order house, but when we spoke of hardware our carpenter was amazed. "What you want with bolts 'n locks in these parts?" said he, "or do you aim to act so mean you got to lock yourself up?" Temporary eaves-trough was made of boards nailed V-shape so the plentiful rain could be conducted into a handy barrel; and such refinements as steps were added last of all, by stones carefully wedged and balanced.

The remnant of our four hundred dollars vanished in roofing and screening, and in the subtle "extras" known to every builder. But by Christmas time we were altogether within doors, the central flue of brick, supported on two-by-fours, was completed, and a hideous iron stove was giving warmth and comfort, for we had sold a piece of writing for six dollars and fifty cents, and the stove cost precisely that sum. For the rest of our needs we went into debt, which we paid gradually as other writings learned to stay where they were sent.

(continued on page 556)



Maristan Chapman, writer, who tells of a brave experiment in home-building



The winter setting of "X Shack" in the heart of the Tennessee mountains

Variety spices porch decoration

The outdoor room becomes as modern as the new day

MARGARET HARMON

NOWHERE in the average home has modernism met with a reception so cordial as in furnishings for porches and sunrooms. A flood of gay, flamboyant color has inundated the dingy browns and tans of the old-time porch set. And this transition of color has been gradual and, consequently, more successful than a sudden revolution.

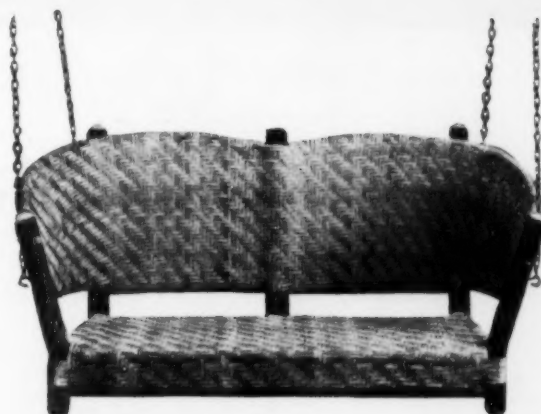
First, bright cushions of cretonne made their appearance in the embrace of somber brown chairs, while khaki-covered swings gave way to awning-strips. The furniture which held this vivid upholstery remained dark in tone. Then whole sets began to take on color, green and gray ranking as favorites. Nevertheless, settee, chairs, and tables were all painted the same shade and there was a certain monotony in the general effect that the more brilliant coloring only served to enhance.

Color reigns supreme on the porch to-day, but variety modifies its intensity. An effect which would be garish in the house tones down remarkably in an outdoor setting where it is in close proximity to the vivid green of trees or to the natural gayety of a flower border.

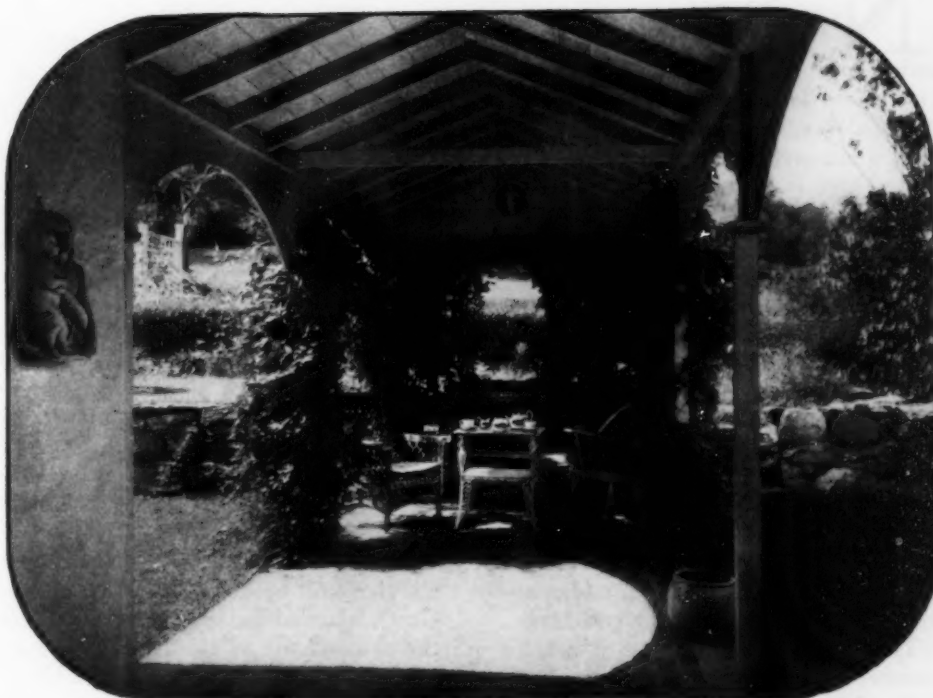
The department stores have been especially successful in "styling" in the field of porch furniture. They have noted that the woman of distinction rarely buys a large set composed of identical reed or willow pieces. She prefers a variety in her color effects, which formerly she could obtain only by making her own selection. As a result, the best sets now being shown have three or four colors that figure in varying proportions. A couch of one color may have cushions of a contrasting shade. A large chair will be the exact reverse of the couch, and a second chair may be painted a color used only on the trim of the settee. These new suites also take into careful consideration the necessary variety in the matter of large and small chairs, tables, and other details. They furnish an easy solution of the porch furniture problem (continued on page 518)



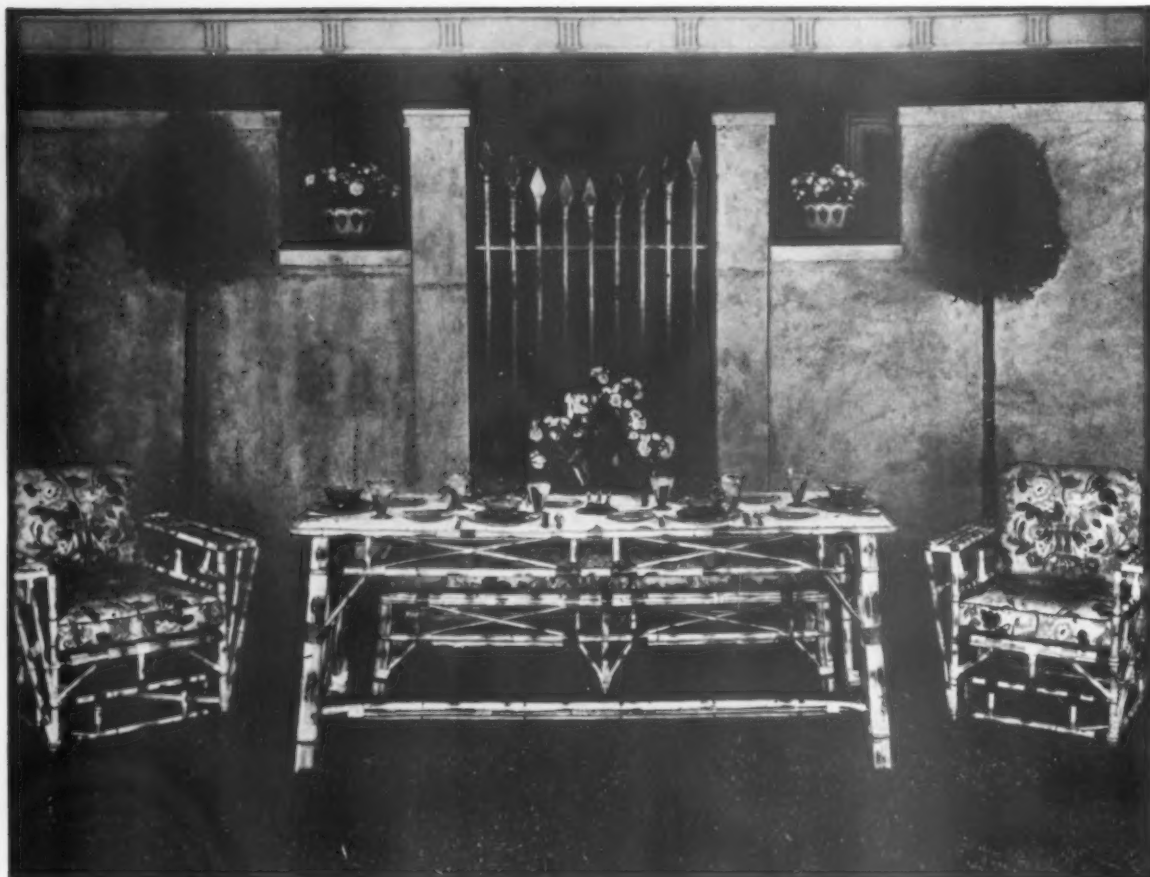
Awnings transform the terrace (above) in the home of Mr. A. M. Briggs, Garden City, N. Y., into a delightful living room. Mrs. Stanley Fleetwood, decorator, provided interesting diversity in the use of woven and stick reed together and introduced a highly



decorative note in the peacock chair. (Courtesy of Save the Surface Campaign). At the left is a porch swing in a picturesque pattern whose comfortable seat tempts you to "loaf and invite your soul." (Courtesy Old Hickory Furniture Co.)



A simple group suggesting long hours in the pergola's shade. Italian pottery plaques are a nice touch in the decoration of this corner of the residence of Mr. George P. Butler, Mt. Kisco, N. Y. (Courtesy of Save the Surface Campaign)



Covered with runners of Spanish linen and decked with clear green glassware, this outdoor dinner table spurs the flagging and indifferent hot weather appetite. (Courtesy B. Altman & Co.)

The July dinner table

China, linens, and glassware that suggest to the diner the fresh crispness of watercress

LOUISE DUNN AMBROSE

NO MATTER where we live, nor what the size of our house, purse, or family may be, with the coming of hot July days, we turn with delight to thoughts of meals out of doors, to dinner tables so decked with glassware and china as to appear cool. Thus, indeed, may "good digestion wait on appetite."

And is there anything more appetizing at the end of a hot summer's day than a dinner table placed on lawn, terrace, or porch, where vines and shrubbery or trees can screen us from observation and where there is a sense not only of coolness but of relaxation from the ordinary formality of dining. Even the city apartment may have this in a measure, for the table can be moved near windows gay with window boxes to bring a suggestion of the out of doors and its fittings be such as to bring beauty and harmony with the menu planned for coolness.

The table in the picture is set for a summer terrace dinner. The cool stone wall with the hedge behind the iron

gate, flower pots on the top, and small boxwood trees make a perfect background for the straw rattan furniture and summer table.

A midsummer dinner on the terrace is always enticing. Even on a very warm day—the guests will forget to talk about the weather if they are served with well chilled food at a cool looking table.

THE TABLE in the picture is covered with two runners of Spanish linen and set with cool green glass—even the vase is of the same delightful color, and is filled with small white roses. Soup cups with handles are used in this setting for dinner, as jellied consommé is being served and can only be served in cups. If soup either thick or thin were served hot it would be in the usual soup plates. Green handled knives, forks, and spoons, the same shade as the glass, are used to further decorate this summer table.

The menu for this dinner is as nearly

white and green as possible. It must be of very cold food but substantial enough for the hearty dinner demanded by guests who have spent the day at golf and tennis. After strenuous exercise, no matter how hot the weather, a goodly portion of food is demanded by the players.

The menu is:

Jellied consommé with Parmesan cheese sticks.
Chicken loaf garnished with cucumbers and water cress. With that serve potato salad, arranged in a large dish with plenty of lettuce and peas.

Cold asparagus with hollandaise sauce—serve small squares of toast with this.

Pistachio ice cream and small white cakes with green icing.

For a cool drink lemonade with mint emerging from the top of the glass can be served.

The linen used on the table consists of two runners, with doilies and napkins to match. On a wide table doilies are used between the long runners at each end of the table. (continued on page 510)

Building a house for your car

Amateur carpenters, following these specifications, can construct a garage for less than \$200

VIRGINIA LINDER

THREE hundred dollars is a low price for a one-car garage, but any man can save almost half that by building his own. He needs only a tool kit and an occasional "steadier," who may be anyone from his wife to an innocent bystander, just dropping in a minute to give advice. Such a helper will seldom be wanting, for an amateur carpenter is a most popular man.

The garage illustrated on this page is about the cheapest type to build, yet it has charm and originality. A great many garages look as though they were designed as an afterthought, to be hidden behind a corner of the house, but a little care will make this one seem to belong to the house. Although it is particularly good with the Colonial style of architecture, it lends itself readily to adaptation and may be finished to match any frame dwelling.

The garage's foundations are simple. Eight sections of locust post about three feet long are buried all but three inches in the ground, one at each of the four corners, one at each of the two centers of the long sides, and one at each side of the doorway. To lay out the foundation in the easiest way, use a

line and temporary stakes, two at each corner, driven into the ground a short distance beyond the point where the corners will be. When you stretch the line between the stakes, it looks as though you had drawn a rectangle on paper and continued the lines further than you needed to.

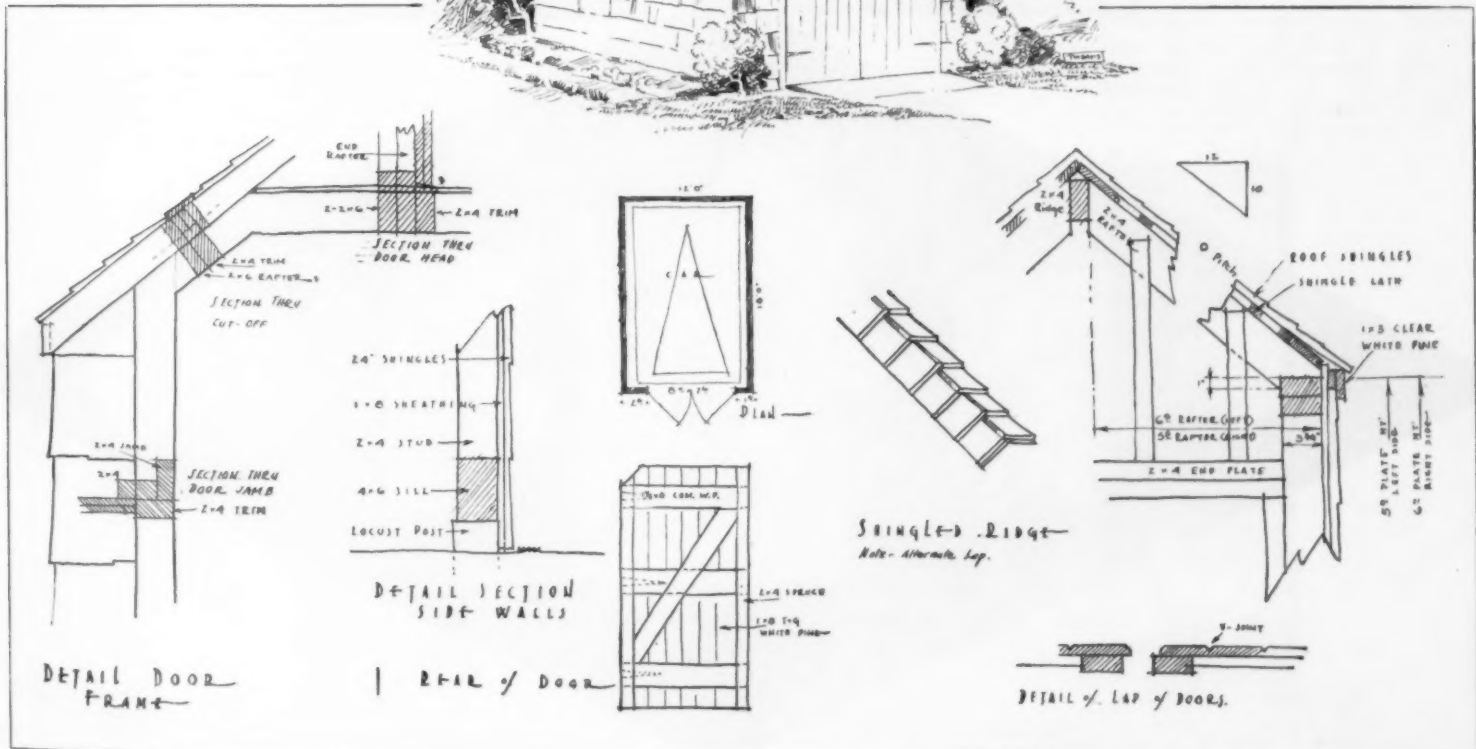
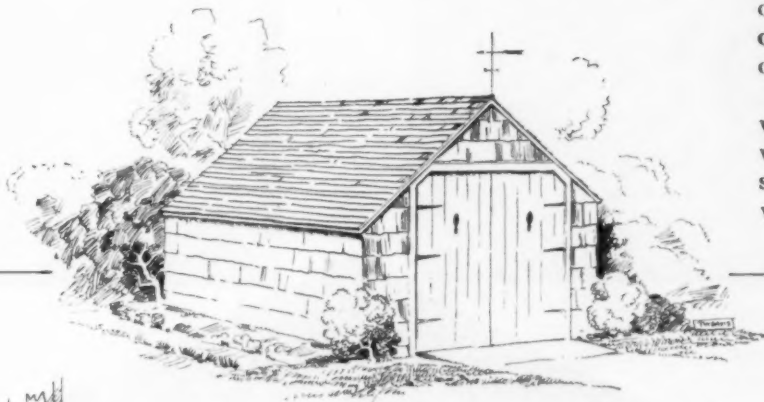
IF THE stakes are about two feet beyond the intersection of the lines, you can set the locust posts correctly without disturbing the lines. To check on the accuracy of the layout make sure that the diagonals are equal. Sight with a hand level to make sure no post is higher than another.

It saves time to cut all studs and rafters before starting any construction work. In the garage illustrated the sides are of different heights. It should be remembered that this gives two lengths

for the rafters as well as for the studs (see detail for suggested dimensions). A rafter with a small jog in its "heel," or bottom, cut like the one illustrated, is easy for one person to set, since it supports itself on the "plate" (the top timber of the walls).

Four-by-six timbers are used for the "sill" which is spiked down on the locust posts. This sill supports the studs of the walls. The studs are spiked upright on it, their centers sixteen inches apart. The plate, made of two two-by-four's, is next nailed on top of the studs. The lower two-by-four is first spiked to the studs and then the upper two-by-four is nailed to it, so that the joints in the lower do not correspond to those in the upper. A "steadier" is very helpful in this operation, for it is difficult to straighten the lower timber and nail the upper to it at the same time. The plate across the back of the garage should be carried on studs the same height as those of the low side. It will then be one foot lower than the plate on the high side.

After the plate is up, the walls should be cross-braced with odd bits of lumber. Be sure the bracing holds the walls so (continued on page 536)



The revival of an American craft

Quilts and coverlets that recall the skill and art of an early Colonial day

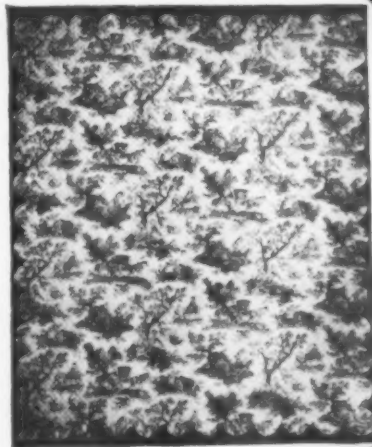
MARJORIE LAWRENCE

THE REVIVAL of an old art brings with it glimpses of the scenes where it first came into being. Hand quilting is so closely interwoven with the story of American colonization that a patchwork bedspread in a shop window flicks back the pages of history to the log cabins of the pioneers or the long train of covered wagons moving slowly westward.

Quilting was brought to America in the early Colonial days by the English and the Dutch. The French, although their settlements were equally exposed to the rigors of the New World climate, preferred the furs that their hunters and trappers obtained. In New England, quilted curtains at the windows of rude cabins kept out the chill of winter. Quilted comforters piled high on beds made the nights endurable. In more luxurious dwellings, damask curtains lined with quilted silk superseded the gay India chintz and French calico that brightened the humbler homes.

Long before the exodus to the New World, quilt-

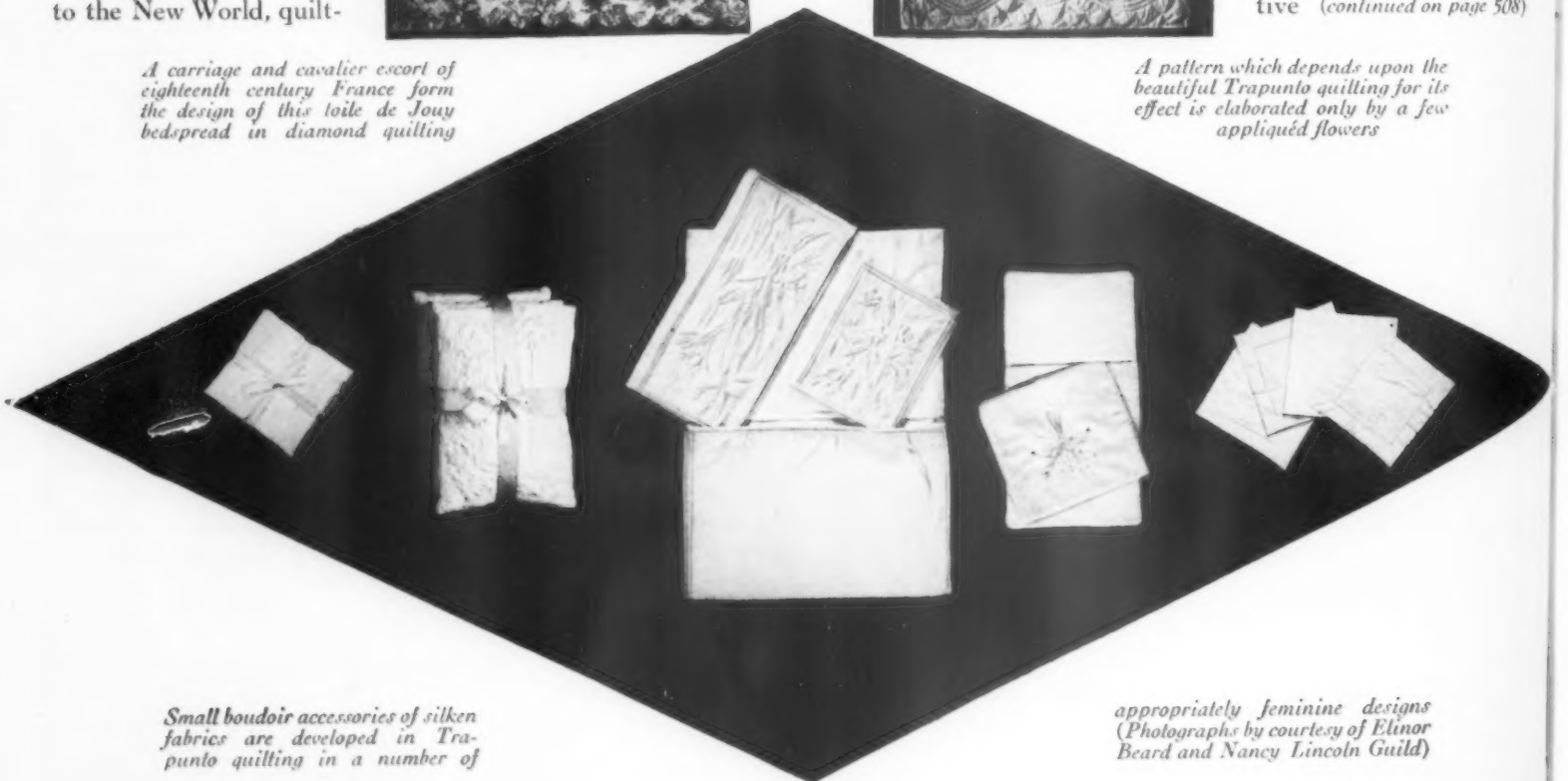
Quilt of sunfast gingham with background of solid color and flowers in contrasting shades. The pattern is dogwood, conventionalized



A carriage and cavalier escort of eighteenth century France form the design of this toile de Jouy bedspread in diamond quilting



A pattern which depends upon the beautiful Trapunto quilting for its effect is elaborated only by a few appliquéd flowers



Small boudoir accessories of silken fabrics are developed in Trapunto quilting in a number of

appropriately feminine designs (Photographs by courtesy of Elinor Beard and Nancy Lincoln Guild)

ing appeared in the annals of history. It brought warmth to both kings and peasants in the Middle Ages, and we may read that Katherine Howard, afterwards one of the many wives of Henry VIII, received twenty-three quilts of "sarsanet closely quilted" from the Royal Wardrobe in 1540.

We find that quilting was one of the few forms of self-expression that the wives of the American colonists were allowed. Tears and smiles were stitched into the intricate patterns that the pioneer woman evolved from discarded clothing and worn household linen. Scraps of material were combined with consummate artistry in the old pieced quilts that we treasure to-day. Stitches

of meticulous daintiness weave in and out in designs symbolic of pictures that Prudence might have painted or music that Priscilla longed to write.

As the machine age developed, hand quilting became less necessary, and the craft dwindled in most sections of our country. But some districts, which have preserved a certain primitive (continued on page 508)

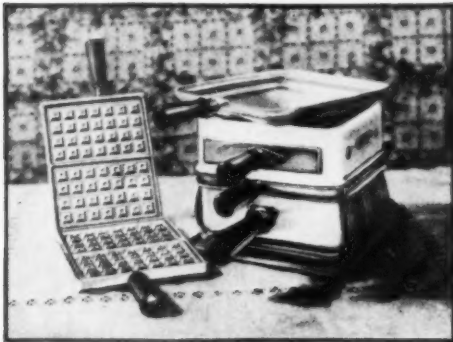


Have you discovered the possibilities of a ring mold? Salads with fruit or cream, rice with creamed fowl or meat center, and salmon soufflé with peas are a few of the possible combinations

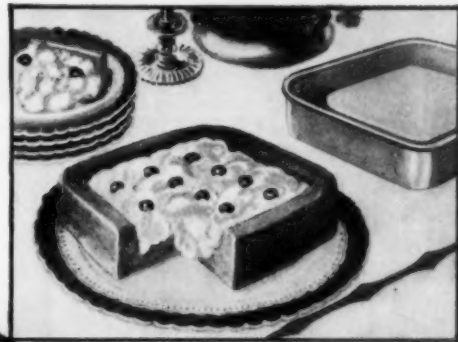


This torte pan and cake decorating set enable you to bake a cake and remove it from the pan easily, and with a little practice decorate it like a professional

SIMPLE ACCESSORIES FOR TEMPTING DISHES



Photographs by courtesy of Waters Genter Co., Armstrong Elec. & Mfg. Co., Corning Glass Co., Aluminum Goods Mfg. Co., and Edward Katzinger Co.



Rarebit, toast, and grilled bacon; waffles, little sausages, and grilled tomatoes; poached eggs, toast, and frizzled ham—these are just a few of the trios which can be prepared all at one time on this convenient table stove

Oven-cooked meals have much to recommend them, especially if the food can be efficiently cooked and attractively served in the same dish. With oven glass (below) efficiency and attractive table service may be combined



These shell pans will appeal to the hostess who likes to offer her family and guests something just a little different. They may be used for salads, entrees, main courses, or desserts. These pans come in large and small sizes

With this toaster (left) you can truly have your toast as you like it. Set the timer to suit your taste in toast, drop in a slice of bread, press down the levers and presently up will pop the toast attractive to look at and delicious to eat



Through France without a puncture

It's easy to take your car abroad and much less expensive than you'd think

HANNA and NINA TACHAU

THERE were five of us on tip-toe to go to Europe (on a very modest stipend), as are hundreds of others. By the grace and fortitude of our little old sedan, we were able to accomplish it, but only after days of indecision as to ways and means and disheartening hours spent in making inquiries about the cost of travel abroad.

The idea of taking the car with us did not come as a heaven-sent inspiration. It evolved rather as a matter of expediency. You see, we already owned the car and knew its capabilities and its economy and we did not relish the idea of selling it at a sacrifice as we should have to, for we could not afford to pay for its maintenance while away.

We heard all sorts of direful stories about the expense of taking a car with us, and most disheartening tales they were: "You will spend a fortune on tires alone," said one interested friend. "The roads in France are very poor since the war and are in sad need of repair, and the hobnails dropped from the peasants' shoes that strew the way are not healthy for tires, you know." "Do you realize," another added pleasantly, "that you have to pay a *big* customs deposit to the French Government, that you will have the expense and trouble of having to crate your car, that you will have to buy a special kind of horn if you wish to drive in Paris?" These, and many equally unhappy prophecies, which, fortunately for us did *not* come true, were poured into our ears.

We remained undaunted and still continued making inquiries and calculations. We found that many of the steamship lines *do* require that all cars be crated before they are taken aboard, and crating a car costs about \$40. Then, of course, it would have to be uncrated again on reaching the other side. It was not only this extra expense but the many attendant delays and the inconvenience of tying up the car several days before departure, that we found so upsetting.

But there came a day at last, when we interviewed a certain steamship line, and our difficulties seemed to melt away, for this line required no crating (the car was treated as part of our baggage), was very reasonable in its charges, and undertook to attend to all details. And it made good its promises. Our entire motor traveling expenses, including transportation of the car to France and back,

insurance, and its upkeep for ten weeks (covering more than 2,500 miles traveled in France) amounted to \$500. Remember, there were five of us to share these expenses. Of this, we paid the steamship company \$410, which covered not only the transportation of the car there and back, but also marine, accident, collision, liability, and theft insurance. Included also was the French circulation tax (which amounts to eighty centimes per horse power per day) and a membership in the Touring Club de France.

An extra deposit of \$20 which we paid, was demanded by the Touring Club de France as a guarantee to the French Government that the car would not be sold in France. This amount was returned to us when we surrendered our papers at Havre on our homeward way.



Your car is driven to the dock, hoisted on board a liner like a piece of hand luggage, and meets you again at the gangplank in Europe (Courtesy of French Line)

The steamship company obtained and paid for our drivers' licenses which cost \$5 a piece, and furnished us with a "carnet de passage," an international customs passbook that allowed us to cross boundary lines without question. We found too, that buying a round trip ticket when taking a car to Europe saves time, labor, and money, and, needless to

say, our steamship line aided and abetted so laudable a proceeding.

The idea of not having to crate the car took us by storm. It was all so easy—not so much trouble, in fact, as attending to our luggage, for gayly we drove it, all unsheathed as it was, to the dock the day before we sailed. The batteries were disconnected, gas drained off, and it was hoisted on board, and with the baggage check handed to us our responsibilities ended until we reached Havre.

Three quarters of an hour after we landed in France, our trusty steed stood on the dock, ready to carry us on to joys and adventures unknown. The batteries had been connected for us, the tank filled with 50 litres of *essence* ("gas", we more tersely term it) for which we paid, of course, and the French license plates put into place. Later, we had the foresight to have our carbureter adjusted to French *essence*, a precaution we found to be quite a saving in gasoline consumption.

Before we drove off, a brightly caparisoned official ceremoniously handed us a little folder containing all the above mentioned papers and we were primed for any adventures that might await us. Never had we experienced such a feeling of elation, for here we were carrying our Lares and Penates with us, free to stop or to loiter or to wing our way straight to a coveted goal. No time-tables to consult, no adjusting of one's naturally easy-going inclinations to meet the whims and irregularities of erratic trains. We meant to be vagabonds of the road, to stop and enjoy a view, castle, or château when we chose, and to investigate at close range those enchanting little villages of the twelfth, thirteenth, and fourteenth centuries that one meets on the way.

We had invested, before leaving Havre, in a Michelin Guide, the true guide, philosopher, and friend of the motorist in France. It contains all the information that a stranger in a strange land craves, for no little town or tiny hamlet is omitted, even unto the number of its inhabitants, its altitude, and any points of interest it may possess. The Guide also lists the names of hotels and restaurants, arranged according to their importance and class, with prices in plain figures, so that when we entered one of its recommended places to eat or sleep, we carried (continued on page 526)

Multiplication tables

*Modern manufacturers outdo Aladdin
and his wonderful lamp*

ANNE BOGART

IS YOURS the problem of making little spaces do big things? Have you a tiny apartment or a smallish house and yet want plenty of room? You are very likely to find that the solution of your difficulties lies in using multiplication tables. Not out of the arithmetic book, to be sure, but from furniture salesrooms where you will find many answers to the perplexing question of how to spread out on occasion without cluttering up your living quarters the other four fifths of the time.

The table space that you must have at meal time or when you are entertaining is not required at other times. A table that may be put aside compactly or unfolded to hospitable dimensions at the psychological moment is not new, but it is frequently overlooked when a home is planned.

The drop leaves on this table snap completely out of sight when they are not in use. (Courtesy Jas. McCreery & Co.)



A modernistic nest of tables, a new-day application of the multiplication principle. (Courtesy of Frankl Galleries)

A fan table which is an amusing variation of the expanding idea, modern in form. (Courtesy of Lord & Taylor)



Let me remind you of the various kinds: tip-tables, drop-leaf tables, gate-leg tables, butterfly tables, console tables, all of these have long been available. We did not appreciate them so much, perhaps, a decade or two ago when space was not at such a high premium. Now we look at them as happy discoveries. Modern developments in expanding tables in some cases do the job a little better and a little less obviously than the old-fashioned varieties. The drawer-top table, in its antique versions, had usually no actual drawer space at all. It took its name from the fact that its leaves opened outward in much the same fashion that a drawer would operate. Modern interpretations of the drawer-top idea remedy the omission of a drawer and make this type of table even more useful now than in its earlier forms.

THE MOST obvious type of multiplication table and the one to which designers have given the greatest amount of attention recently is the table that may be used to turn a living room into a dining room at meal hours, without intruding the dining room atmosphere at any other time of day. It is a godsend to the bride and groom who start life in a three-room apartment, consisting of bedroom, living room, and kitchen. It is a boon to the large family that finds even a seven-room apartment inadequate if one of the rooms must be used as a dining room and (continued on page 520)

Return of an aristocrat

Modern taste repeats old-time fancy in the present day call for the Camellia

FREDERICK W. EVANS

Landscape architect

The plant is lavish of its bloom, starting into flower when quite young and small during late winter under glass. This is old red japonica grandiflora



*Chandleri elegans,
red and white*



*Lady Vansittart,
white, striped red*



*Lady Hume's Blush,
palest pink*



*Ellie Drayton,
striped red*



THE CAMELLIA is once again in favor. It has staged such a comeback, indeed, that even in the East where it is not quite hardy, trade growers are raising it (under glass for greenhouse use as well as for garden planting in warmer sections) by the hundreds of thousands. "This is the third time we have gone into Camellias heavily," said one grower recently, "but this time we're in with both feet, for it's the plant of fashion to-day."

A century ago and up to within a generation the Camellia was the aristocrat among hothouse flowers. Not a private estate of importance but had its cherished Camellia collection. The pampered child had elbowed the Orange well nigh out of the orangerie and had taken possession of men's minds and hearts. The flower was the fashion. Homage was paid it at five dollars per blossom in London and Paris for a Camellia to wear in the button hole.

It is not hard to understand why such affection for it existed. Its prim and precise form fitted in harmoniously with the mode of the day. That was the period of crinoline and carpet bedding, flowers planted closely to work out patterns in the flower bed. It was the period of the wired bouquet, lace edged, with a Camellia, like as not in the very center. Then fashions changed. There came the Rose and others to bid, each in turn, for favor, and the Camellia quietly left the stage (or the glasshouse), its head still held high, but by most persons forgotten.

FROM evidence gathered here and the statements of flower fanciers there, it seems that this plant is repopularized, as has been the case with samplers and

precious old furniture. It is being re-discovered.

In 1921 Mr. W. R. Coe of Oyster Bay, Long Island, who had at the time the only Camellia collection of size in the country, decided to do the unusual thing and exhibit it in the New York flower show. Exclamations, gasps, and expressions of delight by the public on beholding the flowers. Something new? No! something so old-fashioned as to seem new. Inherent good taste was still the same, proof of the eternal quality of beauty.

There is hardly any other word than the term "perfection" to use in describing the Camellia's flower. It has a certain stiffness, a "frigid elegance" perhaps, but elegance undeniable. One critic remarks that the flower is so perfect as to be stupid. As compared with

the enchanting upward-leaping grace of the Iris one can well understand the observation that the Camellia leaves little to the imagination. Rather it stands like one of those wax flowers which used to be seen under the glass bubble in the parlor. The term "frozen music" might be applied to it as truly as it was to the stone cathedral carvings of Milan.

THE CAMELLIA is a sister to the Tea plant. While the blossom of the latter is odoriferous to some extent, no one has yet discovered any odor about a Camellia.

As for the Camellia in general, though it must be grown under glass in the Eastern states, it flourishes perfectly in favorable parts of the country. It is found planted through various portions of the south into Florida. One hears that at Dayton Manor, N. C., and at Middleton, S. C., some of the original Camellia introductions are still growing. This testifies to its longevity. You would rather expect this long-lived quality in reading the plant's character from its appearance. It is slow of growth, of smooth bark, and of a shiny evergreen fullness of leaf. It answers to kindness in the form of cultivation, fertilizing, and watering, but few plants could be more particular as to situation and soil.

In parts of California, as in the City of Sacramento the Camellia grows and blossoms entirely at home. Some of the plants there are easily fifty years old. Because it does not grow and bloom with equal perfection in communities even forty miles away, due to certain moisture and soil requirements, the name "Camellia" (continued on page 544)



Painted Daisy or Pyrethrum comes in a range of color from red to white and gives flowers in the late summer

A getaway for next year's flowers

Summer sown seed of many perennials and biennials will assure sturdy stock for spring planting

ELLEN EDDY SHAW

Brooklyn Botanic Garden

WOULD you like to have a fine stand of young perennial outdoor plants all ready next spring to transplant into their permanent positions? Most people, when spring comes, either try to start seedlings indoors under adverse conditions—the right conditions are represented by a greenhouse—or else wait and order plants from a reputable seed house, or get them from a wagon going by the door, or trust to luck that their neighbors will, in the shifting of plants, have some for them. These are all uncertain ways of looking out for next year's garden.

A BETTER way is to start right off sowing seeds of biennials and perennials in mid-summer. "But," many people will say "is it not better to hold seed over?" No, for in the holding over of seed, considerable moisture evaporates and the seed must reabsorb water from the outside or from thorough soaking to reassert itself and thrust its way out of its prison home. So let us start in late July or early August with our seed bed.

Take a portion of your garden as a trial field. Spade deeply, digging down at least two feet. It is a good idea to take the soil out of this bed, and put in the bottom a layer of drainage material such as

broken brick, crock, crushed stone, or anything of that sort. Then put in a layer of the sod you have taken off

the bed—if you have sod—grass side down, or put in a layer of leaves about three inches thick. Then put in the best of the soil you have, with rotted manure, humus, or rich compost mixed with ordinary garden soil. On the top you may put any good garden loam. If the trial bed is not too large, I would sift the soil and add to it some bonemeal, working it in thoroughly. This may seem a great deal of trouble but it will pay in the end, for it makes a wonderful bed in which to start the plants.

At this time of the year the soil is inclined to be dry, but the seeds should be planted in moisture; so if you can do the planting after a soaking rain, so much the better. If not, give the soil a thorough saturation, plant the seeds, and put a mulch or cover over them to conserve the moisture. When the seedlings have started up, take off the mulch—it will probably be leaves or sphagnum moss. If it is left on too long, you will lose the seedlings. An old coldframe is a good place to use for a midsummer seed bed.

A NOTHER rule about watering is: soak the bed until it refuses to take up any more water. Do not plant for twelve or twenty-four hours—until the top surface has dried out. Then do your planting, for the under surface (continued on page 546)



Tall Foxgloves are very welcome along a fence or wall while Blanket-flower (Gaillardia) in orange and crimson is a good long-season dwarf. Sow seeds in summer for next year's bloom

Making and setting a sundial

Might just as well have the sundial in your garden accurately marked for the latitude. It's quite easy, too

IN ITS simplest form the old time sundial was nothing more than a vertical cylinder, an obelisk, or a pyramid which cast a shadow upon the ground. These simplified forms of sundials, which are still in existence in the warmer regions of Europe and northern Africa, give amazingly correct time. To-day the sundial is not so much used for the telling of time as for a garden ornament. All types are available, from the severest to the most elaborate and all of them give a touch of added charm to the garden. To be of any use a sundial must receive the direct rays of the sun for the greater part of the day; and obviously if placed in the shade of tall trees it is as useless and as out of place as a ship upon the desert.

One of the simplest of all sundials to make consists of a half a cylinder through the center of which a gnomon is passed. Cut a sheet of heavy metal into a strip two or three inches wide and twelve inches long. Mark this strip into twelve divisions, each one an inch in length. These are the hour lines and further divisions into half and quarter hours may be made. The center line is the noon or midday point. Now bend the sheet metal into as perfect a half circle as possible, seven inches in diameter. A cylindrical form such as a thick bottle or pot around which the metal may be bent gives excellent results. Nail this curved sheet to a support and place a vertical gnomon $3\frac{1}{2}$ inches in height on the southern side of the midday line. The opposite end of the line must point to the north. A small pocket compass will be of sufficient accuracy to determine the directions of this north pointing line.

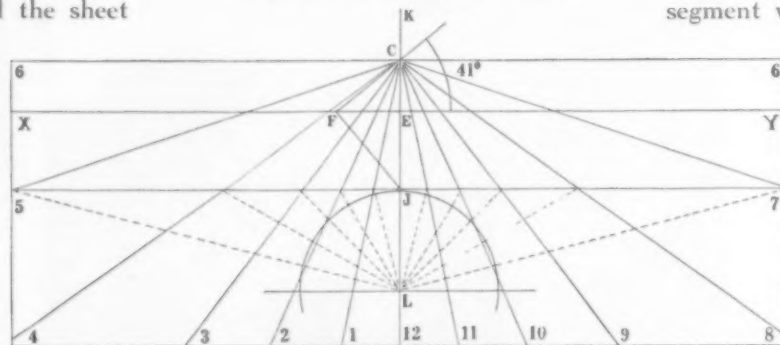
Such a sundial is crude and as such it will give only approximate results. For greater accuracy the following formulae must be laid out on a large sheet of paper. This method is not difficult to follow and will give an hour or so of interesting study. A ruler, a protractor, and a compass are all the requisites, and the size of the sheet of paper for a one inch gnomon should be at least nine by twelve inches.

About three inches from the top draw the horizontal line XY and then draw line KL perpendicular to the horizontal line XY . The intersection at point E

E. BADE
shows the position of the gnomon. The length of the gnomon is now measured off from point E on line XY to F . In this instance the distance will be one inch. The gnomon may be made any length desired, but it must be laid out at this point. It can not be made larger or smaller after the drawing is finished.



For accuracy a sundial must be set to fit its actual location at exact noon in late December or June



The face of the dial must be designed to fit the latitude of the place



where it is to stand, as explained in the accompanying text

Draw line from point F to point marked off by the protractor so that it intersects line KL and mark the point of intersection C . A perpendicular is now erected to line FC at point F . This line also intersects line KL and the point of intersection is known as J . A small right triangle CFJ has now been produced.

THROUGH points C and J lines parallel to XY are drawn. The line through C is the six hour line or the morning meridian. Point J is the noon or midday point. To find the position of the other hour lines on the dial a half circle is constructed whose radius is the length of the line FJ . First mark off this distance FJ from J down the line KL . Place the compass at the point of intersection L and draw the half circle. Then divide each half of the half circle into three equal parts by using the radius of the circle and marking it off on the circumference, first from the ends and then from point J . Divide each of the six segments of this half circle into two equal parts by bisecting the angle geometrically or, find the center of each segment with a ruler, which is simpler but not so nearly accurate.

When these twelve points have been found on this semicircle, draw dotted lines from the center of the circle through the points on the circumference to the parallel line J . Then draw heavy lines from point C through the intersection on the parallel line J . These are the hour lines and they may be made any convenient length. The half and quarter hour lines are found by further division of the half circle and projecting lines from the point C through the points of intersection on the parallel J .

This completes the face of the dial. The gnomon must now be made and this is nothing more than a rod of any material placed perfectly vertical to the horizontal dial and it must be placed at point E and must project a distance equal to the length of FE above the dial. After mounting the sundial it is turned on its axis until it registers the standard time of the locality in which it is set up. Then it will always register correct sun time.

Now take the protractor and place the center mark at point F and mark off the number of degrees latitude in which your home is situated. For New York City and its vicinity the 41 degree mark will be sufficiently close for this purpose. For other cities or towns this factor can easily be determined from any map.



Those who visited New York will recall the cool colored bulb garden, chiefly blue and green, of Mr. Scheepers

The Park Departments of the leading cities participate in the spring festivals. Here's what Chicago did

Seeing the flower shows!

A composite impression of the six outstanding big exhibition events of this year

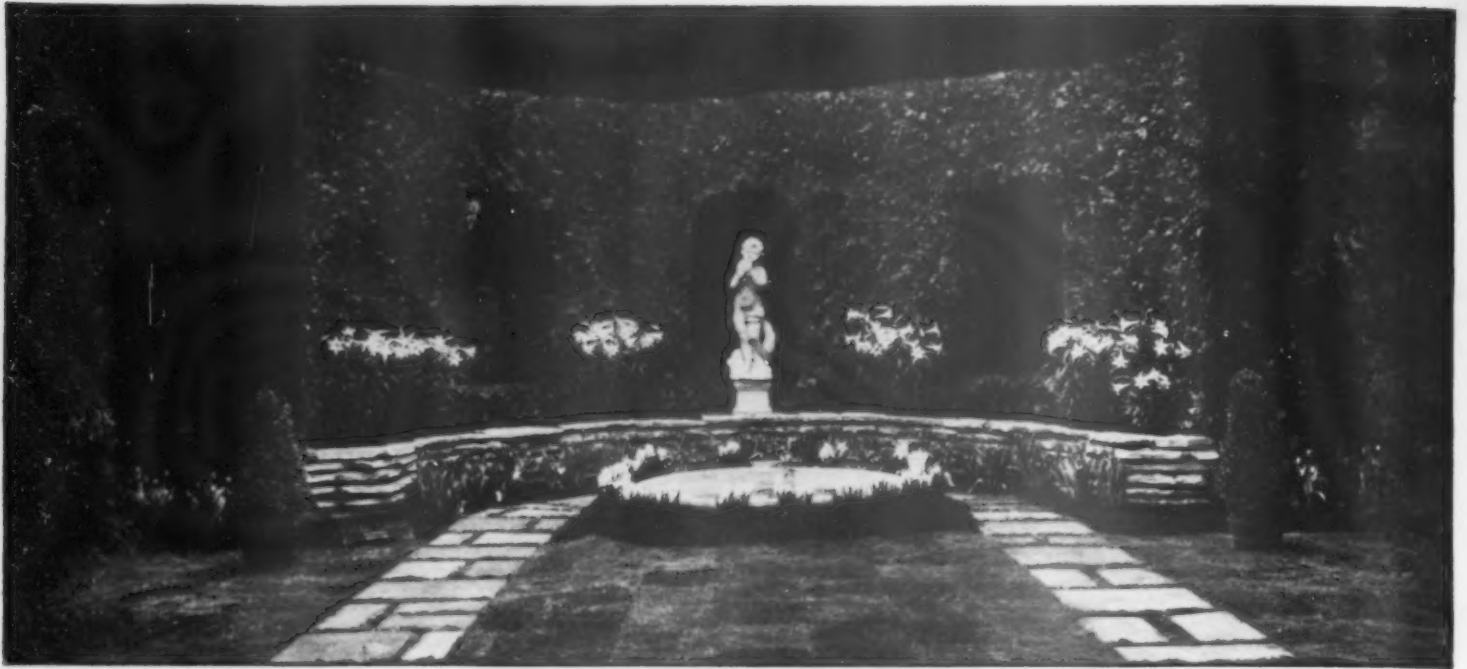
LEONARD BARRON



IF THE big spring flower shows that are very evidently established festivals in several of the larger centers of population mean anything at all, it is that hundreds of thousands of people are coming more and more each year to realize that flower love, and the making of gardens in which to grow plants have become a very real factor in the development of the average home. It is as these great horticultural festivals tend to the demonstration of the part that flowers and home plantings play in the daily lives of the multitude that they became really successful. The modern big metropolitan flower show to-day places first emphasis on the *uses* to which the products of the garden and greenhouse may be put; that, rather than pro-



Naturalistic treatment is as well presented as the formal styles, as was evidenced in Myron Bloy's feature at Detroit



At Detroit the many gardens on a really practical scale and of superb design were outstanding. Above, the prize winning Italian garden of Henry Forster which received the gold medal award. The background of Arborvitae with massed Lilies in front—the whole thing was a cool harmony in green and white



Mrs. Sherman Hoyt brought to Boston a truthful reproduction of a desert garden of Cactus. All correctly named, too

In the Garden Club of America contest at New York the Bedford Garden Club had this charming window decoration and foundation planting for spring



viding opportunity for mere contests in cultural efficiency for this or that grower.

The often very false and thoroughly artificial uses to which sundry plants are put in the making of the gorgeous floriferous and spectacular "gardens" in these spring shows is none the less an educational effort of considerable value to the people in general, who largely through these staged displays, have come to a better and practical understanding of the significance of design as a starting point in garden work, following later on with arrangement of the details in that design. It has been a revelation to very many indeed how a "garden of bulbs," for example, could arouse such diversity of plan and design yet using perhaps materials very much alike. Quite true it is that it might not be possible for these "gardens" to be put into actual being with identical materials—the same kinds of plants—but the great fundamental object lesson has been made that the successful garden is dependent not (continued on page 548)

The stupendous Orchid display of Mr. A. C. Burrage, President, Massachusetts Horticultural Society, Boston, portraying a tropical cascade and Orchids massed in semblance of their natural habitats

When a steep bank is an asset

By using rocks and stones to hold the earth you can also create a unique rock garden feature

ANDERSON McCULLY

WHEN buying the new home, most of us are busy looking at the details of the house itself. What the builder put into the basement seems a lot more important than what he did with the soil he took out. Later on, when we go out to see what can be done about a garden, we may begin to think the other way. Or it may not have been our own builder at all who presented us with a steep bank on a lot already small for the garden of our dreams. Perhaps it was the street committee that perched us dizzily above the pavement, or again old mother earth may have taken geological notions right across our own precious strip. But, anyway, what are we going to do about it?

Far from being a liability, a steep bank may be made a decided asset in the garden, and the smaller the garden, and the newer the gardener, the more of an asset it becomes.

A garden upon two levels gains not only in apparent size, but also in actual planting space; for it may then be planted in two dimensions instead of one—the perpendicular as well as the horizontal. It also gains in privacy. A great boon to the new gardener—and to the old one too—is the question of drainage. *Perfect drainage* are two words you are

going to see even more in the future than in the past. Worthwhile plants will not tolerate stagnant wet. A steep bank or slope cares for this troublesome problem quite naturally.

In the detail of labor, too, the gardener will find it much easier to work with plants that are raised upon a bank than with those he must stoop to his feet to reach.

THERE are so many different things that may be rightly done with a bank, that just what we actually do will be a little dependent upon circumstances, but far more upon individual inclination.

I will not consider the different walls of masonry the contractor may put in. They are varied and good things in themselves, but come rather within the architects' field than that of the garden maker, as they must harmonize with the house itself. If you do have this wall, however, whether of brick, cement, or concrete, plant some vines to trail from the top or climb from below. The Boston Ivy is good for this. The prostrate Cotonasters are effective and have bright berries in fall and winter. Sometimes a garden urn or so along the top, filled with bright blooms such as Geraniums, Petunias, and trailing Kenilworth Ivy adds much to the charm of the wall.

A plain dirt bank confronts us. Just what can we do with it? The old way was to take some ground from top and base so that this might be sloped, and to plant it to lawn. This is the one treatment that really does make our garden smaller, for we cannot use the steep lawn. It is furthermore a real chore to keep this steep terrace cut and tended.

If we feel we must plant this solid, the English Ivy will require the least after care, provided you do not live north of Philadelphia, and particularly if this is a shaded bank. The Sharp-leaf Winter-creeper (*Euonymus radicans*)

(continued on page 546)



The street left this house perched up above, but the high bank has been made the interesting garden feature



The dry stone wall (left) holding up the lawn is made gay with vigorous rocky plants. Snow-in-summer in bloom



Dwarf Rockspray (Cotonaster) above, with Flax (Linum) at lower right and Sedum in center of the photograph (right)

Why do Dahlias get 'Stunt?'

Some of the causes and ways to prevent it.

A first hand investigation

CHARLES H. CONNORS

Ornamental Horticulturist, New Jersey Experiment Station

WHEREVER two Dahlia faddists are gathered together, there is sure to be a discussion of "stunt." In fact, instead of being hypochondriacs concerning their own ills, Dahlia growers are in a similar condition over the ills of their favorite flower.

The discussion on "stunt" becomes almost acrimonious at times, and the writers on the subject of "stunt" throw figurative brickbats at the heads of their opponents, and to no purpose, since rarely are the two persons discussing the same thing. To a grower of upper New York state or upper New England, the dwarfed or stunted condition of Dahlia means one thing; to the New Jersey grower, another, and so on; while to the plant pathologist and botanist, the word "stunt" may mean a third thing, entirely different from the other two. Therefore, let us try to arrive at a definition of stunt.

During the past few years, there has been an increasing number of Dahlia plants that have been dwarfed by some means or other. The causes are many. It may be caused by insect attack at root, at stem, at top; by mechanical injury to roots, such as the action of caustic fertilizers, or too deep cultivation; by inhibition of root development because of soil saturation; by physiological degeneration; by hardening of the stem through a pot bound condition, drying out of the soil, reflected heat; by virus or mosaic diseases which vary in their manifestation.

In seasons of prolonged rainy spells, especially within six weeks of planting, a dwarfed condition may occur, particularly if the soil is a little heavy. The soil becomes saturated, and when this condition is present the plant is sure to suffer. The saturation of the soil drives out all the air. When root growth stops, plant growth ceases. This soil condition may result in a pale, sickly looking plant, or one which appears stunted, or it may even result in the death of the plant.

The remedy is thorough preparation of the soil. If it is dense or heavy, lighten it with ashes, sand, or rotted manure. Deep preparation also is advisable to provide for quick drainage of excess water. The manure is especially valuable, because, even though it does aid rapid drainage, it also acts to retain water,

bringing about a happy mean. The Dahlia requires an ample supply of moisture, but will not stand wet feet.

Injury to the roots or stem under ground is rather more frequent than suspected. Certain soil-infesting insects are sometimes responsible, such as cutworms, white grubs, and wireworms.

Cutworms are usually thought of as a pest which cuts off small plants close to the ground. As a matter of fact, there are many species, some of which have been known to climb a young Peach tree and eat the foliage, while others will feed, part of the time, just under the surface, where most of them pass the daylight hours. If a plant becomes hard looking and stunted, by digging away the soil from about the stem, you may discover a cutworm feeding on the outer surface of the stem below ground. This results in a partial girdling. The form of the leaves and other plant parts is normal, but the size of the leaves may

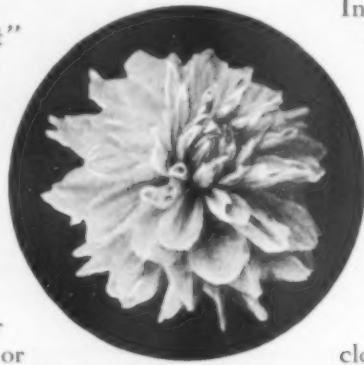
will chew the feeding roots, thus preventing absorption of plant nutrients and inhibiting growth. The wireworms will also riddle tubers and may enter the stem from the bottom. Plants injured by these insects become dwarfed through slow growth. The leaf is normal in form, and sometimes in size, but the plant gradually becomes harder and may finally die.

To avoid this injury, never plant Dahlias or other plants with fleshy roots in land which has been out of cultivation for a number of years, such as old, neglected strawberry beds, lawns, and meadows, without determining first whether these insects are present. They usually spend from two to three years in the soil, but rarely is cultivated soil infested. If present, they can be killed with carbon bisulphide emulsion. This will not injure shallow rooted plants like grass, but is fatal to most perennials if applied about the roots. Wireworms have been discouraged from attacking Dahlia tubers where the latter have been surrounded by soil containing a liberal quantity of ground tobacco.

Injury to roots, with consequent dwarfing of the plants, can be caused by the wrong method of applying certain fertilizers. In the first place, it is not good economy, nor is it good agricultural practice, to put all of the fertilizer directly under the plant. This is especially true if the fertilizer contains caustic constituents, such as nitrate of soda, sulphate of ammonia, and other of the readily available sources of nitrogen. These materials can be broadcast or otherwise applied, so that they are thoroughly mixed with the soil. If this is done, there is usually no danger. However, cases have been known where side dressings of certain fertilizers have been applied in large quantities in a time of drought, followed by heavy rains, after which the concentration of the solution of fertilizers was so great as to result in the killing of the roots.

Shallow planting with too deep cultivation may result in root killing, and consequent dwarfing.

Some people claim they get "stunt" from green plants. In the great majority of cases, the fault is not in the plants, but in the way they are handled. Green plants should never be set with a hard ball of soil about the roots. I have seen cases where plants had been shipped for a long distance, or where delays had occurred in delivery, so that the pot balls were dried out when received. They were set just as they (continued on page 552)



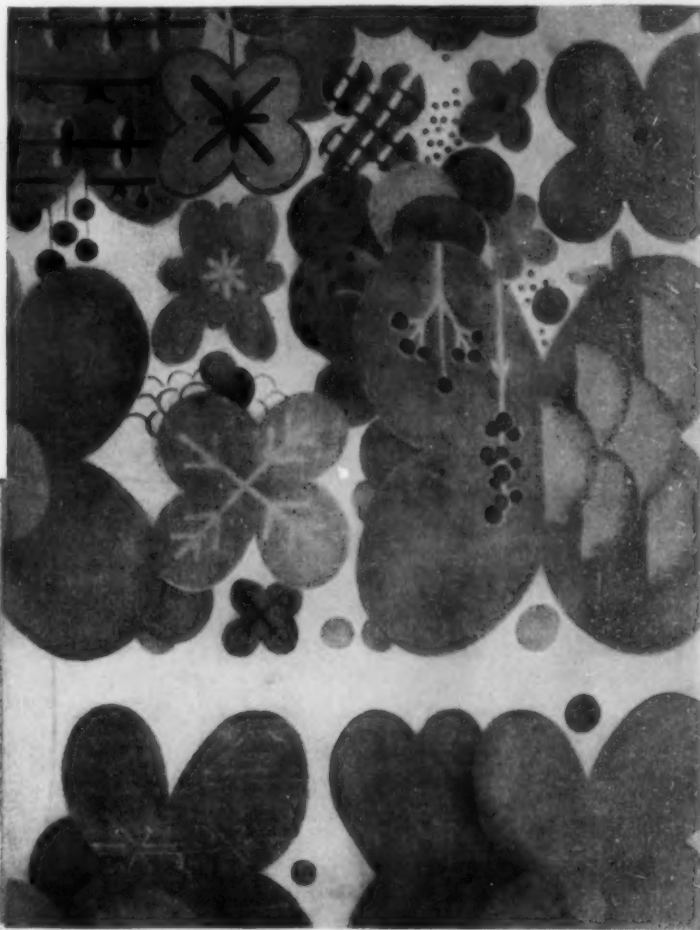
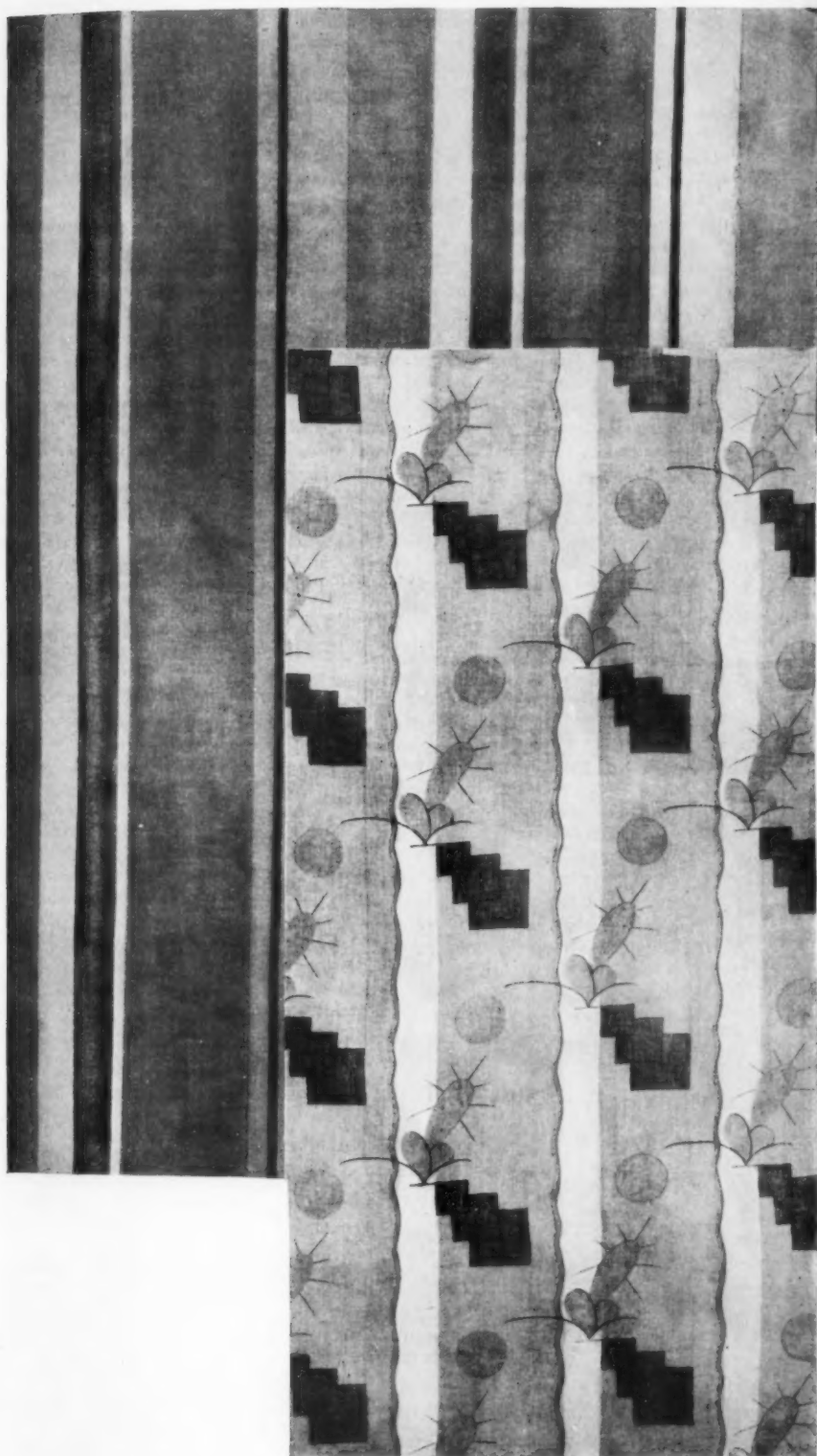
The same variety, Mrs. Nathaniel Slocombe. Nicotine sprays prevented stunting from thrips attacks, on the right. Varieties having thick, rough, hairy foliage (like Mrs. I. de Ver Warner) are seldom attacked by thrips

be reduced and the color is paler. The remedy is to kill this particular individual, and then destroy all his kindred by means of poison bran bait.

White grubs and wireworms are another group of soil-infesting insects that may cause dwarfing. Either of these

modernism

*Colorfully expressed in sheer
printed voiles and alpacas
for summer use* < < <



*Above—Printed voile in a modernistic four-leaf clover design.
Left—Printed voile with cactus motif dominating the detail.
Upper left—A striped alpaca in subtly blended shades.*

HERE is the modern trend interpreted in terms of lovely printed fabrics—sheer voiles and crisp alpacas. They have all the imaginative beauty and freshness that distinguishes the best contemporary art—with none of the restless eccentricity of early modernism.

Subtle and enchanting—their coloring captures in modern design the gay and sunny quality of a summer day.

Here we show one of the newest printed voiles—a modernistic cactus dominates the detail of skilfully placed geometric motifs on a background of pastel stripes. A striped alpaca in tones of apricot shading to amber, tan, rose, and yellow. A decidedly original printed voile in a modern four-leaf clover design—in graduated pastel shades of peach, yellow, and green, enlivened by minor spots of deep blue and coral.

The wide selection of textiles presented by Schumacher includes authentic copies or adaptations of rare fabrics together with modern designs by the best contemporary artists.

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

Fabrics — The Key to Successful Decoration — This helpful booklet will be sent 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-7, 60 West 40th Street, New York. Importers, Manufacturers and Distributors to the trade only of decorative drapery and upholstery fabrics. Offices also in Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, and Detroit.

F · SCHUMACHER · & · CO



Every home can afford this new way to enrich doorways; adorn cornices; embellish mantels and wall panels, etc.

New wall treatments

lovelier .. richer .. more beautiful

WE offer you a new medium for decorating your walls. A new style that will elevate any interior above the commonplace. A new style that will distinguish any room and earn the hearty admiration of your friends.

You would long since have adopted this wall treatment, we are sure... had you been willing to pay out-of-the-question prices for the art of a hand-carver. Long since you would have enriched your rooms with decorative wood mouldings for cornices, door heads, panels, chair rails, etc.... had you been willing to pay a king's ransom for the job.

But now we offer you decorative wood mouldings rivalling the beauty of hand carving... at an absurd fraction of the cost. They are

Driwood Period Mouldings in Ornamented Wood. These mouldings are made from solid wood. In depth and beauty as well as durability they challenge comparison even with hand-carved mouldings.

Yet they are so economical that even a small home can afford them.

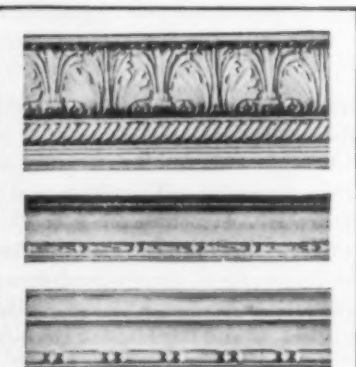
*Visit Driwood Galleries
New York's Newest Vogue*

The new Driwood Galleries present a series of charming colonial rooms, completely decorated and furnished, in which Driwood Mouldings have been employed. To architect, decorator and public these interiors are a source of information and inspiration for the newest ideas in home decoration. You are invited to browse leisurely through the Driwood Galleries, which occupy a huge street-level site just off Fifth Avenue, at 40-46 West 23rd Street, New York.

If a visit to Driwood Galleries, is inconvenient, write for "Fashionable Walls", our new free picture book of fashionable interiors.

DRIWOOD
TRADE MARK REG.
PERIOD MOULDINGS
in ornamented wood

HENRY KLEIN & CO., INC.
Driwood Galleries . . . 40-46 West 23rd St.,
Dept. K. New York
Branch Offices in Boston, Chicago, Detroit,
Philadelphia and Pittsburgh
General Offices and Plant . . . Elmhurst, N. Y.



Close-ups of DRIWOOD MOULDINGS used in illustration above—
Ceiling Cornice CC-31, Wall Panel
2053 and Chair Rail CR-3.

A home of enduring beauty

Continued from page 470

colonial roses, soft apricot, a little cool lettuce green of the motifs, with the quiet grays of the feathery background. The curtains fell from a shaped valance (bound, as was the lower edge of the tie-backs, with soft tomato red) straight to the floor in the window groups.

She also preferred to make her own selection of furniture fabrics. She bought her large, softly upholstered pieces in denim, covering them later to suit her own taste. An Early American wing chair by the fireplace, the type that gives so delightful an air of homely charm to a room, was covered in an authentic reproduction of an eighteenth century Colonial brocattelle, in tones of henna and silvery gray-brown that form a close harmony with the pine chimney piece.

An English easy chair of Chippendale inspiration shows a particularly fascinating use of tapestry in dull blue, écreu, and tomato red motifs, imposed on an indefinable stripe. Beside it stands a butterfly table for books and magazines. Conveniently near is a floor lamp, pleasantly shaded in chintz of soft parchment tones that cast a glow over the room.

A Queen Anne sofa, one of that pictorially interesting group that is so valuable in giving variety to furniture, stands against the wall opposite the fireplace. The sofa is upholstered in a jade green in key with the rug.

No piece of Colonial furniture consorts so amiably with a provincial setting as does an old secretary-desk. The one in the living room, a New England heirloom, is delightful both in scale and design. It has the original brasses intact and the old wavy glass in the diamond panes.

A practical small room, to the right of the entrance, designed as a study, comes into frequent use for cards. Back of it, is a snug little dining room, lighted by two windows and furnished in Chippendale mahogany, with a Colonial china cupboard as the principal feature. The latter holds some gay table ware, and is made even more attractive by an orange lining, a color picked up by the old hooked rug, in block pattern, that completely covers the floor.

A cheerful small kitchen, reached through a pass pantry with china cupboards, occupies the familiar ell, so vital a feature of the house design.

Thus distinguished, it is well worthy of its honored position in the general plan. Sunny and bright as a culinary workshop should be, it is also gay and colorful. Immaculate cream tile faces the walls a third of their height; cool lettuce green washable paint decorates the upper reaches. A smart red and black linoleum in block pattern with the alternate squares carrying a ship model, is on the floor. Small patterned print curtains in red, cream, and black, hang at the windows.

Early American furnishings equip the three bedrooms in the upper story. There is a fascinating assemblage of high and low post beds with candlewick spreads, pine dressers, rush-bottomed chairs, old hooked rugs, and all the homely and pleasing accessories of the time. The master's room occupying the larger space, has a convenient dressing room with many clothes closets, and a bathroom opening from it.

The sloping walls of the dormers emphasize the character of the two front rooms. Unlike their cherished prototypes, they have the advantage of comfortable window seats as a built-in convenience and as a utilitarian expedient to mask the radiators. Under the eaves, low presses and cupboards have been installed.

Ruffled organdie curtains, the tie-backs smartened by huge rosettes, dress all of the windows, apricot in one room, lavender in another, and orange in a third. In each room the curtains supply the dominant color note. Rubberized silk, having the illusion of transparency that gives it a decorative advantage over the heavier fabrics employed for the purpose, is used for the shower and bathroom curtains. The floors are hexagonal tile in gray and white.

It is a beguiling small dwelling, with a sturdy distinct personality of its own. It is homey and livable, arranged to meet the needs of a small family. It has a free circulation of floor space, yet the arrangement affords the necessary privacy.

The kitchen, with access to the pleasant front porch, has the inviting atmosphere of the living quarters. The house is imbued with home spirit, for countless generations of home-makers in pioneer days had a hand in its making. Best of all, it was built for \$12,000.

New telephones and cabinets

Continued from page 474

The telephone with its business-like tinkle has led to the development of new furniture. It has long been the bane of every housekeeper's existence to find a place to conceal the directories where they can be easily reached yet will not be obvious. Nowadays in many of the better furniture stores one can find several types of cabinets or stands which will settle the question with dispatch. Prices for such cabinets range from about \$35 for the more simple styles to \$200 for imported models.

Many of these pieces are so beautifully made that they are easily an asset to any corner of the home. In many of them, small swinging doors conceal all evidence of both telephone

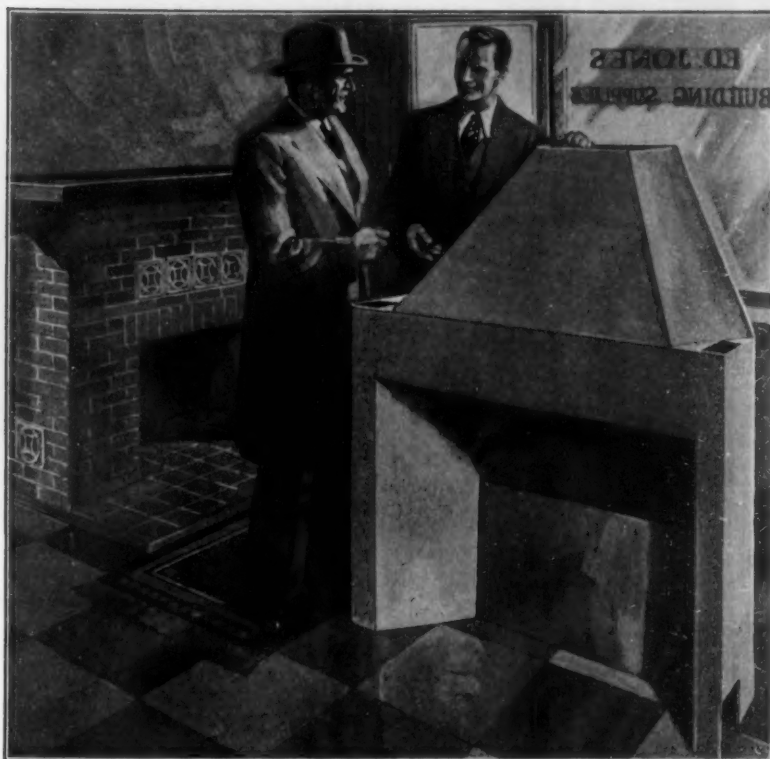
and directories. This type seems to be particularly suited to a formal reception room, a living room, or a room furnished in period style.

Choosing telephone furniture brings an opportunity to use ingenuity, inasmuch as there are innumerable instances in which the shops have nothing to offer adequate to the special style of decoration or fitting to the corner in the home. It is here that the clever woman may devise a substitute, utilizing a desk, a music cabinet, or even a discarded victrola. We recently heard of one ingenious bride who took the insides from a phonograph cabinet table and placed her telephone in one side and her phone books (continued on page 500)

Take no chances on fireplace construction



To the right is the Heatilator-built fireplace installed at Bahia Vista, beautiful home of Mrs. T. A. Middleton, Pleasantville, N. J. shown above. Seward G. Dobbins, architect.



See the Heatilator display at your local dealer's. In the foreground, the Heatilator as delivered, ready to install; in the background a Heatilator built into an actual fireplace, ready to demonstrate.

YOU will find the principle of the Heatilator fully endorsed by the United States Department of Agriculture in its official bulletin on fireplace construction, No. 1230.

You will find it endorsed and used by progressive architects throughout the country.

You will find it used by real estate developers who are erecting attractive, modern houses to sell.

And in every home where the Heatilator is used you will find unqualified satisfaction with the fireplaces.

No fireplace built with a Heatilator can smoke or fail to draw; and every Heatilator fireplace delivers double or treble the heat that comes from ordinary fireplaces of the same size. In other words, the Heatilator completely eliminates doubt about how the fireplace will burn. Scarcely 15% of all fireplaces built without Heatilators can be considered entirely successful.

We **guarantee** this: any fireplace built with a Heatilator will completely satisfy—or we will not only refund the purchase price but pay \$20 extra to cover removal and return.

The Heatilator is a scientifically designed, heavy, rust-proof metal form around which the masonry is laid. It has double walls with cold air inlets and warm air outlets,

which throw into the room the heat ordinarily wasted in chimney and brickwork—equal to that of a furnace register. It is a complete unit up to the chimney flue. Savings in damper, smoke box, fire brick, labor and fuel more than cover the purchase price.

The Heatilator comes in a number of sizes—fits into any architectural plan, can be used with any kind of masonry. It is the only known means of assuring proper construction and ample heat. Order one for every fireplace you are going to build or remodel.

If no dealer near you has the Heatilator on display, we will gladly arrange to send one to any dealer you name, for examination purposes—without expense to him or you. Mail coupon for plan sheets and full information.

THE HEATILATOR COMPANY
580 Glen Avenue, Colvin Station, Syracuse, N. Y.

Heatilator Fireplace Unit

Simply write the name and address of your local dealer under the coupon, and we will arrange to send him a Heatilator for you to examine without expense.



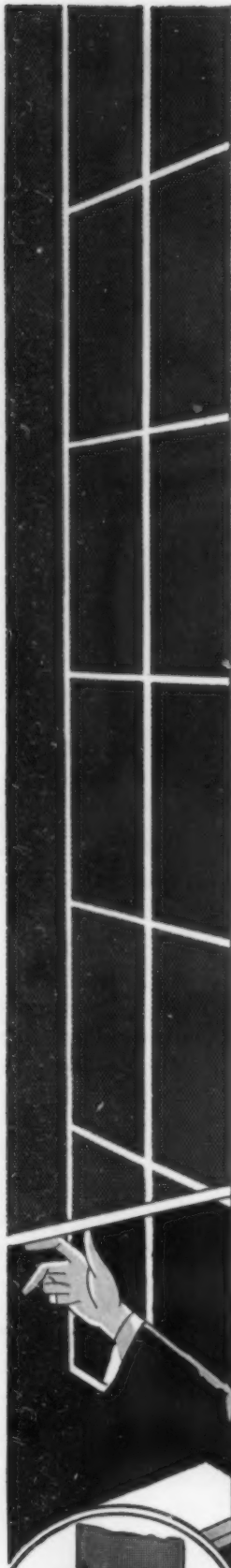
Before building new fireplaces or remodeling old ones you will want to see our new Plan Sheets of modern fireplaces. Fill in and mail the coupon today. There is no cost or obligation.

HEATILATOR CO., 580 Glen Avenue,
Colvin Station, Syracuse, N. Y.

Without charge or obligation, please send Plan Sheets of Modern Fireplaces.

Name

Address



Window Screens Modernized!

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

Rolscreens
TRADE MARK

What a relief from the old fashioned stationary screens with their unsightly frames! Rolscreens enhance the charm of beautiful window effects. The special "AluminA" wire cloth is scarcely visible.

A touch sends them up, entirely concealed or brings them down in place securely locked on the inside. Investigate the special advantages of Rolscreens before ordering window screens. Rolscreens will delight you!

ROLSCREEN COMPANY
268 Main Street, Pella, Iowa

An illustrated Rolscreen booklet will be sent you on request.

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

New telephones and cabinets

Continued from page 498

in the other. Then she hung a mirror above the table and, presto, she had created an unusual and delightful hall setting.

In using furniture not originally built for the telephone, remember to bore a small hole in the back of the cabinet—particularly if it is a closed one—so the telephone cord may come through.

She who cannot find exactly what she wants in the ready made telephone furniture should get acquainted with shops selling unfinished (unpainted) furniture. In them she may come across any number of odd pieces of furniture that will more than suit the purpose. The advantage of purchasing something from a store of this kind is double, for the prices hover in the ten and twenty dollar field. No matter what type furniture one has at home, a bit of paint, lacquer, or varnish will quickly bring the new article to a harmonious color.

In one of the accompanying pictures, a reproduction of a narrow Queen Anne open-faced cabinet, the telephone is tucked out of the way on the main surface and the directory is hidden in the drawer. The upper two shelves can be used for books or knick-knacks. Although it appears to be tall, this piece is really quite small, reaching only to the shoulder of a person of average height. As can be seen, it was not intended to be a telephone receptacle, yet without doubt it is completely satisfactory and can be squeezed into the tiniest space imaginable.

The one-door cabinet with the bronze dog on top is, of course, a definite telephone piece, although when the door is closed it would scarcely be suspected as such. One of its practical features is a sunken groove in the swinging door shelf, cut exactly to fit either a standing instrument or one of the modern type hand sets which appears in the picture. This groove prevents the tele-

phone from slipping off and falling to the floor when the door is opened. The cabinet and a graceful, yet solid little stool, can be bought for less than one hundred dollars.

Since telephones are now located in practically any room in a house or apartment and as each room is individual in its color scheme, a great number of housewives have suggested to the telephone companies that they make hand set telephones in colors to blend with the surroundings. What could be more attractive in a bedroom where all the furniture is a dainty ivory color, than a creamy tinted telephone sitting on its cabinet between the beds. And how much more harmonious than the present black instrument.

Imagine an instrument in keeping with the appurtenances in a room where brass and silver predominate. And why not a good-looking bronze set on the den or library table with a corresponding pair of bronze book ends near-by?

Some persons have suggested taking the present telephone and painting it. But the telephone is a most delicate and highly sensitized instrument, and any foreign substances are likely to injure the transmission completely. It has taken years and years of constant experimentation to bring it to its present day perfection, and even to-day inventors and engineers are continually seeking to improve it. They advise that no touching up be attempted, and that attachments such as handy pads, pencils, and tiny number books be discarded entirely so as to make reception clearer.

It can be definitely stated here on good authority that the telephone companies, although faced with a gigantic manufacturing and distributing problem will, before very long, be in a position to gratify the taste of the most discriminating homemaker by supplying these instruments in a range of tones and colors.



You may plug the portable telephone into a convenient outlet in any room in the house, just as you would a lamp or a vacuum cleaner



A
favorite
of
Washington's

FOR his Mount Vernon home, George Washington ordered "two neat tables 4½ feet when spread and made to join occasionally." The drop leaf table was an Early American favorite.

Of the 300 pieces bearing the Stickley name, there are many reproductions of Early American tables, perfect replicas of the settler-craftsman's art.

Like all Stickley pieces, these

are produced of the same woods and with the same velvety finish of the originals . . . aged by a special process until they are exact counterparts of early masterpieces.

On display by the better dealers.

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

We also have a display at Lake Placid Club, Adirondacks.



Console Table 4016



Rocker 7007

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.



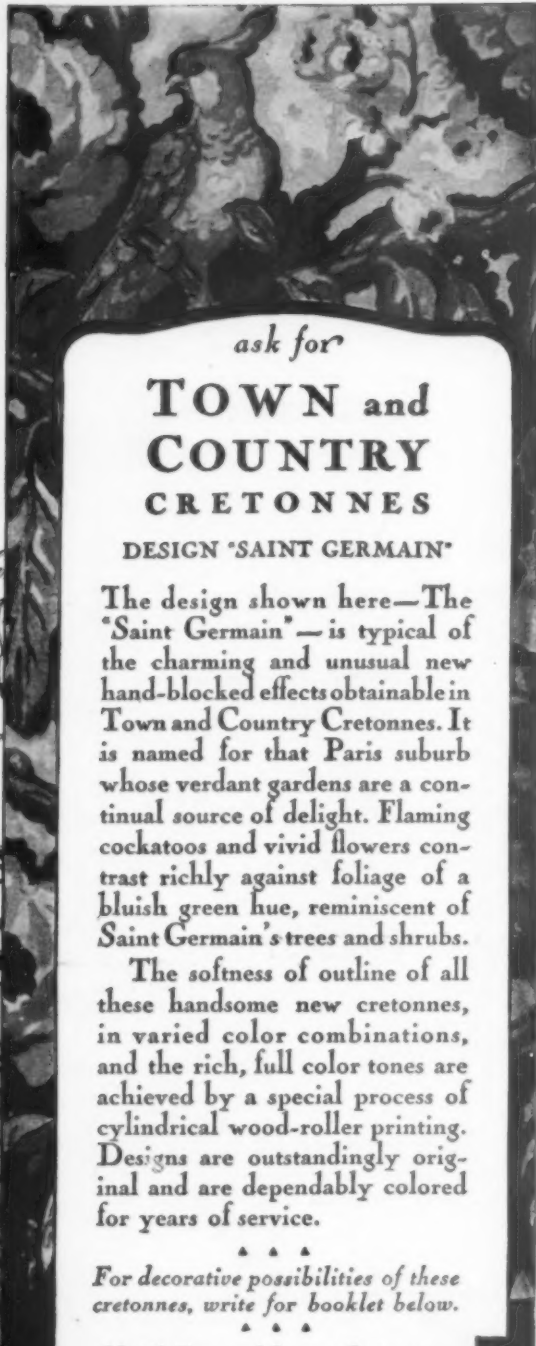
Early American
BUILT BY
STICKLEY
OF FAYETTEVILLE



Beautiful homes are made
more beautiful with

COLONIAL

Town and Country
CRETONNES



ask for

TOWN and COUNTRY CRETONNES

DESIGN "SAINT GERMAIN"

The design shown here—The "Saint Germain"—is typical of the charming and unusual new hand-blocked effects obtainable in Town and Country Cretonnes. It is named for that Paris suburb whose verdant gardens are a continual source of delight. Flaming cockatoos and vivid flowers contrast richly against foliage of a bluish green hue, reminiscent of Saint Germain's trees and shrubs.

The softness of outline of all these handsome new cretonnes, in varied color combinations, and the rich, full color tones are achieved by a special process of cylindrical wood-roller printing. Designs are outstandingly original and are dependably colored for years of service.

For decorative possibilities of these cretonnes, write for booklet below.

Identify Town and Country Cretonnes by their seloage mark. At the smarter stores and shops

COLONIAL

Drapery Fabrics

Products of MARSHALL FIELD & COMPANY, Wholesale

MARCIA MEADOWS
Marshall Field & Company, Wholesale, Post Office Box 1182, Chicago
Enclosed find 25c for which send me the 32-page book, "Color and design—Dominant Notes of the Modern Home."

Name _____
Address _____

The legal side of home buying

Continued from page 471

up a sheet of paper, and rather hastily read the terms of sale. For the most part, they were the usual terms of an auction sale: ten per cent cash deposit, forty per cent cash or certified check at delivery of deed, fifty per cent upon a purchase money mortgage.

But, tucked away among these ordinary conditions was the clause: "Subject to easement for drainage as recorded in liber 842, page 321." It was obvious that someone had a stick which the purchaser would not get, and that it would have been somewhat of a gamble to buy without knowing all about that stick. Later, I learned that the city had been granted an easement over the land which gave it the right to put a drain pipe through any part of the property, and that no building could be erected within three feet of the pipe.

You can easily imagine how much a fifty by a hundred foot lot would be worth if exactly through its center there was a drain pipe and a six foot strip upon which the owner could not build. It took considerable political manipulation on the part of the people who bought at that auction to induce the city to relinquish its right.

THE TIME to make certain that you are going to get the entire bundle of rights is when you close your contract. Few laymen realize that in purchasing a house, the execution of the contract is more important than the delivery of the deed. It is the contract which determines the bargain between purchaser and seller; when the deed is delivered you can get only that which you are entitled to under the contract. Many persons hastily sign a printed contract and then call upon their lawyer to represent them at the title closing, when the deed is delivered. If you are going to be represented by counsel, he should see and approve the contract before you sign it. An apparently harmless clause in the contract may mean that the title you have bought is a poor one and that there is absolutely nothing you can do about it.

You should insist that your contract call for a "full covenant deed," or as it is sometimes known, a "General Warranty Deed." Only such a deed can afford you maximum protection. In it the seller warrants that he actually owns the property he is conveying and that he will defend it against the claims of all other persons. Unsuspecting purchasers frequently sign contracts which provide that the seller is to deliver a "Quit-claim Deed." Such a deed merely transfers the right, title, and interest of the seller to the purchaser, and does not guarantee that the seller has any right, title, or interest. If you agree to accept such a deed, you are agreeing to accept the seller's title, no matter how good or how bad it may be.

You must likewise be certain that the description of the property in the contract corresponds with the true description of the property you intend to buy. Sometimes mistakes can be corrected at a later date, but they always lead to unnecessary trouble and irritation and often to litigation. Occasionally the description in the contract is supplemented by a survey

or map which is annexed to the contract. The survey tends to eliminate errors and, if practicable, you should require that it be attached to the contract.

And always beware of "subject" clauses. A "subject" clause in a contract or deed, limits and cuts down the estate you are buying. It indicates the outstanding rights which are not to be transferred to you; the rights to which your title is to be subject. In many instances "subject" clauses are entirely proper and unobjectionable. Thus if there is a \$5,000 mortgage on a house you are buying for \$15,000, and if you intend to pay only \$10,000 cash, a clause which states that you are buying subject to a \$5,000 mortgage is properly included in the contract.

Recently an unfortunate friend of one of my legal brethren signed a contract, without legal advice, which contained the clause "subject to the findings of an accurate survey." Shortly before the time set for the delivery of the deed, he discovered that the house encroached four inches upon a neighboring lot. Now no one wants a house that is on somebody else's land. Such a situation will almost inevitably lead to a law suit, and the owner of the house may have to pay substantial damages to his neighbor. But this unfortunate purchaser was stuck with such a house. His contract said that he was to accept title subject to the findings of an accurate survey, and the accurate survey showed that the house encroached on his neighbor's property. He took title and then solved the problem by purchasing the adjoining land. An expensive solution, but probably the most satisfactory one.

If the seller insists upon such a clause, you can protect yourself by changing it so that it reads "subject to the findings of an accurate survey, providing such findings do not render title unmarketable." With this wording, you will not be required to take title if the survey indicates encroachments, unless the encroachments are so slight that for all practical purposes they may be considered unimportant. However, if you are making a contract without the aid of a lawyer, it is better to insist that the entire clause be omitted from the contract.

THERE is another dangerous "subject" clause which is frequently contained in printed contract forms, and which may lead to trouble. It usually reads something like this: "Subject to all covenants, restrictions, and easements of record." Never, and this is one of the immutable rules of making a contract, accept a contract with such a clause. If you are buying unimproved land and intend to build upon it, insist that the seller list all of the "covenants, restrictions, and easements" subject to which he is asking you to buy. If you accept a contract with this broad, all-inclusive clause in it, you may very well find that you have bought land upon which you cannot build, or can build only a certain type of house.

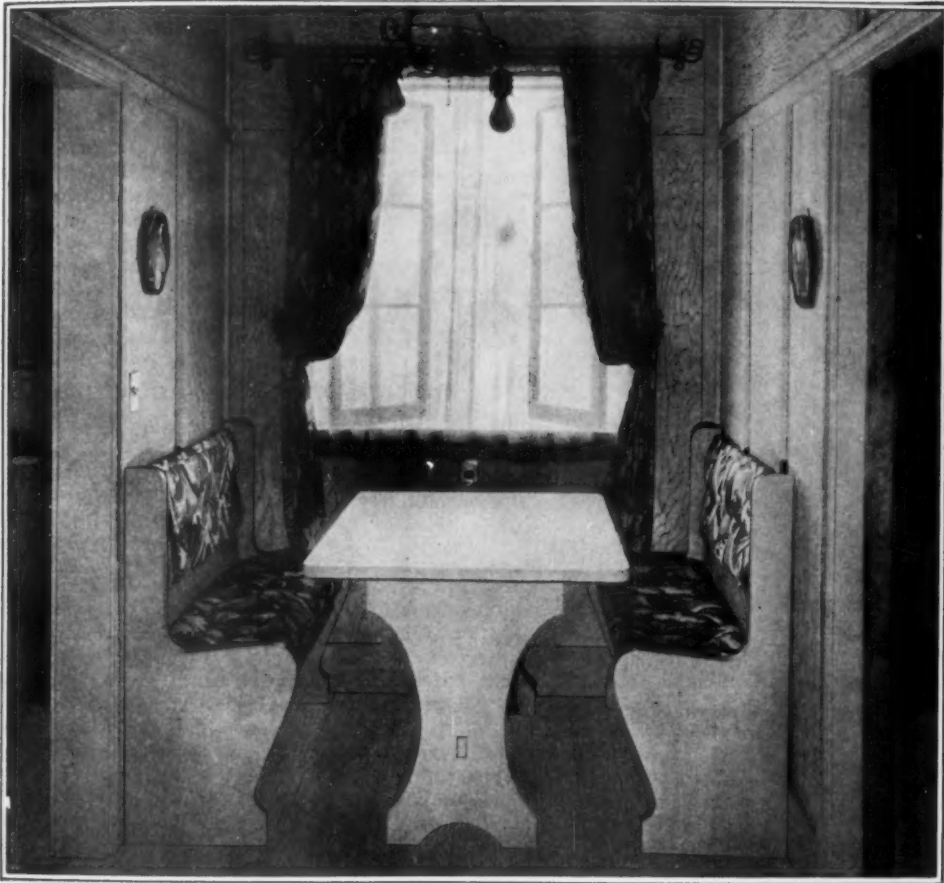
In buying improved land, you can get practical protection by adding at the end of the clause these words: "—providing (continued on page 504)

NEW CONVENIENCES IN WOOD

for the Modern Housewife



*Lumber, now grade- and trade-marked
for your guidance, will provide these things that save
time and steps in the home*



This cozy breakfast nook of wood is a lovely feature in any home, and a great convenience for the housewife.

A built-in china closet of wood adds a note of charm to the dining room. Home builders should plan for these features in new houses.

A BUILT-IN breakfast nook . . . just the thing to simplify the serving of breakfast . . . or the children's meals.

An ironing board in the wall of your kitchen . . . conveniently out of the way, yet always ready for use.

A kitchenette . . . for quick meals, with built-in cupboards.

And a beautiful built-in china closet in the dining room. It's amazing how much easier, more convenient your housework can be made with equipment like this.

Be sure to plan for these things when you build your own home. Or they can be put in your present home at a surprisingly small cost. Lumber is very economical . . . the most economical of all building materials.

Know the lumber you use

"American Standard Lumber from America's Best Mills" can now be obtained trade-marked and grade-marked.

If you want ready assurance of standard quality, look for the mark of the expert grader on each board.

When the "Tree-Mark," shown below, is also stamped on the board, it signifies the guarantee of the National Association that the lumber is correctly stamped.

Guaranteed "Tree-Mark" lumber can now be had in every species. Inquire of your local dealer. If he cannot supply you, write us and give his name and address.

Use it—nature renews it

Remember that there is 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 . . . to wood production.

Call on the free Consulting Service provided by the Lumber Industry to help you with your lumber problems. They will give you valuable advice without charge . . . show you how economical it is to use lumber in your home.

Write for further details on our new lumber services. Interesting booklets will be sent you free entitled, "Modern Home Interiors," "Taking the Mystery Out of Lumber Buying," and "Transformations of Old Houses."

NATIONAL LUMBER MANUFACTURERS ASSOCIATION

Dept. 4608, Transportation Building,

Washington, D. C.

Offices in New York, Boston, Pittsburgh, Indianapolis, Chicago, Minneapolis, Kansas City, Memphis, New Orleans, San Francisco,



Look for the "Tree-Mark"

THESE 18 great associations affiliated with the National Association maintain particular information and service organizations that coordinate with the general services of the National staff.

- *California Redwood Association, San Francisco, Calif.—Redwood
- *California White & Sugar Pine Manufacturers Association, San Francisco, Calif.—California Pines, White Fir
- *Hardwood Manufacturers Institute, Memphis, Tenn.—Oak, Gum, Southern and Appalachian Hardwoods
- *North Carolina Pine Association, Norfolk, Va.—North Carolina Pine
- *Northern Hemlock & Hardwood Manufacturers Association, Oshkosh, Wis.—Hemlock, Maple, Birch and Northern Hardwoods
- *Northern Pine Manufacturers Association, Minneapolis, Minn.—White Pine, Norway Pine
- *Southern Cypress Manufacturers Association, Jacksonville, Fla.—Cypress and Tupelo
- *Southern Pine Association, New Orleans, La.—Long Leaf and Short Leaf Southern Yellow Pine
- *West Coast Lumbermen's Association, Seattle, Wash.—Douglas Fir, Sitka Spruce, West Coast Hemlock, Western Red Cedar

* Grade- and trade-marked lumber available in these species

† Trade-marked lumber available in these species

- †Western Pine Manufacturers Association, Portland, Ore.—Pondosa Pine, Idaho White Pine, Larch
- National American Wholesale Lumber Association, New York, N. Y.
- National Association of Wooden Box Mfrs., Chicago, Ill.
- *Maple Flooring Manufacturers Association, Chicago, Ill.
- British Columbia Lumber and Shingle Manufacturers, Ltd., Vancouver, B. C.
- British Columbia Loggers Association, Vancouver, B. C.
- Hickory Golf Shaft Manufacturers Assn., Memphis, Tenn.
- American Wood Preservers' Association, Chicago, Ill.
- Oak Flooring Manufacturers Association of the United States, Chicago, Ill.

Can you
imagine a modern bathroom
without them..?



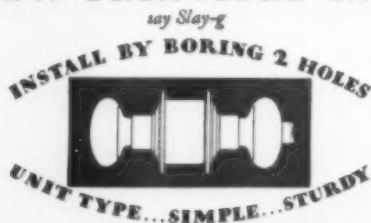
to **LOCK**
press the button
to **UNLOCK**
turn the knob

Wouldn't it be a shame to equip one of these cunning modern bathrooms with old-fashioned locks? The Schlage has arrived in a nick of time! Now, you can have privacy at the quiet touch of a button. No keys to turn. A mere glance at the button—across the room—shows if the door's locked. . . . And there are perfectly stunning designs and finishes to choose from—in colors, too.

This is truly the cleverest lock you've ever seen. Yet, it's one of the simplest. There is a minimum of working parts, and they are all held together permanently by a new principle. They stay put! So you're never annoyed by wobbly knobs and loose screws. Surely you'll want Schlage Locks throughout your new home. Millions are already in use all over the world. Even in the palaces of kings. Actually! They cost less than any other high-class lock. Talk to your architect or contractor about them (say Slay-g).

SCHLAGE

THE NEW PRINCIPLE IN LOCKS



SCHLAGE LOCK COMPANY, DEPT. 8, SAN FRANCISCO, CALIFORNIA
PLEASE MAIL BOOKLET ON SCHLAGE LOCKS—

Name _____

Address _____

The legal side of home buying

Continued from page 502

the improvements now upon the land and the use thereof, do not violate the said covenants, restrictions, and easements."

The sales contract, we have said, expresses the bargain. It alone determines the rights and liabilities of both purchaser and seller. No promise which is not in the contract is enforceable. No oral assurance or "understanding" is binding upon the parties. *Nothing should be left out of the contract.* In no case should you rely merely on the good faith of the seller. If the seller intends to keep his promise, he should have no objection to putting it in writing.

Frequently, a man will buy unimproved suburban land relying upon the oral promise of the seller that, within a short time, he will have streets cut through and lay sidewalks and curbs. The contract is made and not a word about streets is mentioned in it. Time goes by and none of the improvements are made. Then the purchaser consults his lawyer and is distressed to learn that the oral promise of the seller is unenforceable and nothing can be done.

This situation, in one form or another, is an old and sad story to every lawyer. Only this week, I was consulted by a man who had bought a house. The seller had promised to

leave the electric refrigerator in it. Nothing of this was mentioned in the contract, and before the purchaser was given possession, the refrigerator was removed. I advised my client to buy a new refrigerator and to consider the money well spent.

Now, there is a difference between promises and representations. If the seller or his agent tells you that the house you intend to buy is connected with the street sewer, that is not a promise to do something in the future, but a representation of a present, existing fact. If he knew that the sewer was not connected when he told you that it was, theoretically, at least, you have a right to recover from him. But frequently, this theoretical right is not worth very much. To cash in on it, you must prove that he knew the representation was false when he made it.

The only safe way is to have everything in writing, both promises and representations. Look at the house you intend to buy. Everything about it that you cannot see with your naked eye and which has been told to you by the agents, should be included in the written contract. If they have said that there is brass piping throughout the house, let them say so in their contract. *Don't depend upon oral statements.*

Outdoor rooms on roof tops and terraces

Continued from page 468

vines may trail naturally over the top of the fence.

Terra cotta flower boxes filled with daisies and geraniums and lattices for climbing vines between the pent house windows add further decoration. Above these, wrought-iron lamps supply the lighting. In a side-wall corner a small fountain figure stands amid a base of flowers below another lantern.

The awning is of Burgundy red, the furniture green stick reed with colored bandings and Burgundy red cushions, and the rug is of natural woven rush.

On an adjoining terrace on the same roof, because of the preference of the owner, a high, Cape Cod fencing, in a natural finish, encloses the entire length. A black and natural block rug has been used and a gray, black, and green striped awning. The stick reed furniture has a parchment finish with green and black bandings and sunflower waterproof chintz coverings in orange-pink and black. Tubs of tall arborvitae trees stand about, alternating with boxes of flowering plants and ivy, and here and there against the vine-grown lattice covering the brick side of the house, "terra rosa" water jars have been placed. In the corner of the terrace is a comfortable sofa facing a group of deep seated armchairs, inviting one to rest and relax.

The intriguing charm of a Japanese garden has been carried out on another skyscraper roof, enclosed in woven fencing, that is used as an outdoor dining room. Here a picturesque treatment of plants and shrubs in a corner of the roof becomes a setting

for a bronze fountain and a pool formed of tufa rock. This porous rock, suggestively Japanese yet quarried in Indiana, is particularly desirable for a roof garden because of its light weight. Specially designed tables and chairs of iron and wood finished in Chinese red further characterize the appointments. There is a red awning and a long swinging couch filled with cushions with pagoda decorations.

Another terrace flaunts a pale green awning painted with exotic plants. An unusually colorful terrace treatment is combined in a Mediterranean blue, sail-cloth awning, lacquer bandings on natural finish stick reed furniture, a settee done in vivid green with blue and red Poiret linen covered cushions, and bright colored goat hair rugs on the floor. Old iron firebacks break the surface of the house walls.

These represent, perhaps, extreme expressions, yet they contribute a fairylike touch to a setting high up in the air—a playground made possible by color, splashing fountains amid masses of green growing things.

And best of all no matter how small the little terrace may be, nor how limited the budget, the ingenious dweller will find it possible to make of it a lovable, livable spot of green, a place of comfort and relaxation. Nasturtiums will grow almost anywhere; a few pots of earth from the florist are neither costly nor difficult to get. One can paint his own gay chairs and tables and make his own comfortable cushions. And these places of delight can be made on a suburban extension roof as well as on a skyscraper.

For better health... ...keep an even temperature



Homes, automatically heated by oil, are prepared for unexpected chilly evenings

*—and enjoy the luxury of automatic oil heating.—
It soon pays for itself.*

Many a doctor bill starts in the furnace room. Medical colleges and health associations warn against the danger of uneven heating. Actual experiments show that an increase of only a few degrees above normal in the temperature of a room will cause an increase of seventy per cent in respiratory illness.

Oil Heat strikes directly at the root of this peril. It is an investment, not only in comfort and convenience, but in health. In a recent national investigation, fifty-four per cent of the owners of homes equipped with oil heat reported fewer colds in their families since its installation.

However severe the weather outside, it is never necessary to overheat an oil heated house—the temperature is automatically controlled. There are no drastic ups and downs. The entire house, up-stairs and down is filled with genial, breathable warmth. Furthermore, oil heat soon pays for itself in lessened work, and actual economy of operation.

As the first step toward enjoying the advantages of oil heat, consult the Oil Heating Institute. The coupon will bring you, "Oil-Heat—And the Business of Living," a non-technical book containing complete and authoritative information regarding tested and proved methods of oil heating.



A decalcomania of this emblem which is the registered trademark of the Oil Heating Institute, appears on all oil heating equipment of the manufacturer members.

OIL HEATING INSTITUTE Dept. AH-7
342 Madison Ave., New York City, N. Y.
Please send me your booklet on oil heat entitled "Oil Heat and the Business of Living."

Name _____
Address _____
City _____ State _____

≡ OIL HEATING INSTITUTE ≡

SANI-ONYX

a Vitreous Marble



is Much Finer

Not just because it is new, modern, distinctive, but because of substantial worth, Sani-Onyx is rapidly winning its way.

Imagine a material for walls, ceiling, wainscoting that does not crack, chip, check or discolor, even after years of service; a material that actually outlasts the building, with never a penny to pay for repairs or redecoration.

And no other material affords the wealth of colors; the variety of surface textures. Write for a free book picturing actual installations in full color.

MARIETTA MANUFACTURING CO.



230 BROOKSIDE AVE.

INDIANAPOLIS, IND.

The revival of an American craft

Continued from page 486

character even to this day, have never lost the art. In Kentucky and Tennessee, where the housekeeping crafts of weaving and needlework are still a part of everyday living, quilting patterns are handed down from mother to daughter. Even little girls delight in "piecing" at a very early age.

The recent interest in Americana has fostered hand-quilting and given impetus to a revival of an ancient art. Some women of foresight glimpsed the possibilities latent in quilting. As it had always been kept up in Kentucky, it seems natural that the majority of the exquisite quilting seen to-day is still done in that part of the country, under the direction of persons who have definitely set about developing this fine art.

Trapunto quilting, which comes to us from Italy, is done as exquisitely by these skilled workers as their own native American type. Quilting itself is generally defined as the fastening together of layers of cloth to secure the loose material between. Naturally, the stitching that is used lends itself to infinite variation of pattern. In Trapunto work, there need not be any padding other than that used to bring out the design. American quilting obtains its results by the spacing of the stitching, and implies an even distribution of padding beneath the entire surface.

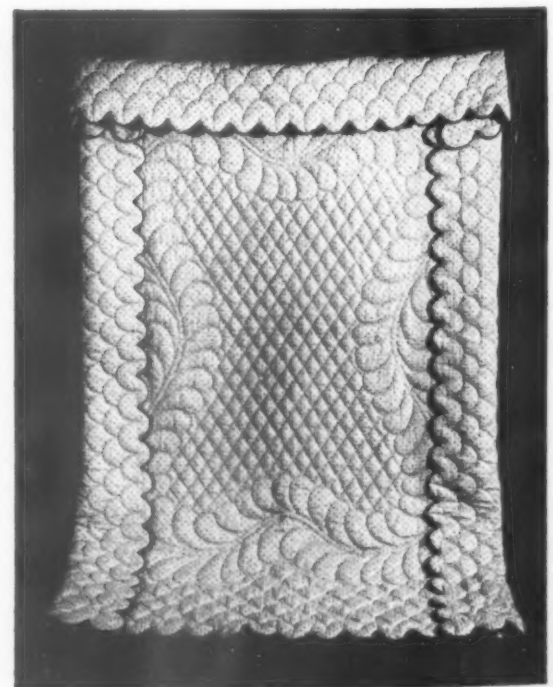
A toile de Jouy bedspread that would lend charm to the most ordinary bedroom is developed in diamond quilting, with a scalloped edge. The design is French, and is a reproduction of a carriage and cavalier escort of the late eighteenth century. This spread is priced at about \$20.

Quilts—not to be confused with eiderdowns—which are exact copies of the famous patchwork designs of past generations are developed in broadcloth, sateen, or chambray, often with the addition of oil prints, which are used for the appliqué.

Some of the most famous old designs are Sweet Home, Ohio Rose, Garden of Eden, Whig Rose, and Cumberland Rose. The first three are quilted in regular small diamonds, and interest is centered on the quaint appliqué floral patterns. The last two may be bought with quilted backgrounds in which the intricacy of the stitched design vies in interest with the patchwork figures which decorate it. Pine Tree, with its stiff geometric trees developed in old oil prints on an unbleached or chambray background, is the perfect quilt for a four-poster bed in a Colonial room. Cumberland Rose—a pattern evolved in the South during the Civil War when proceeds from its sale paid for hospital supplies—is a gracious design, suited to more sophisticated types of furniture.

Quilting makes delightful things for babies. A cotton broadcloth crib cover with a charming floral design applied to the varied surface of the quilting is priced at a little less than \$20. A cover for a child's bed has broad blue stripes sprinkled with white daisies. The wide white stripes left between the blue bands are ornamented with green leaves, and the stitching of the background repeats the appliqué in outline form. This spread costs \$20. Another cover for the bed of the older child is developed in blue and white, and daintily quilted. A circle of bewitching Kate Greenaway ladies appliqué in the center will captivate even the least observant young lady.

The smaller boudoir accessories, which are dear to a woman even though they do not meet the eye of the casual acquaintance, are usually developed in Trapunto quilting. This is done by the same expert Kentucky women. Silken fabrics are employed. A round, down-filled pillow decorated with a bird of paradise costs \$5. A heart-shaped pillow with a love bird design, which makes a charming engagement (continued on page 510)



Hand-quilted comforter of yellow calico print, banded in scarlet (Courtesy of Elinor Beard)



Build Anew or Remodel from This Wonderful Book



"HOUSES of WOOD
for
LOVERS of HOMES"

"THIS IS
THE
PLAN
BOOK

ONE OF THE PRIZE WINNERS

WE HAVE BEEN WAITING FOR!"

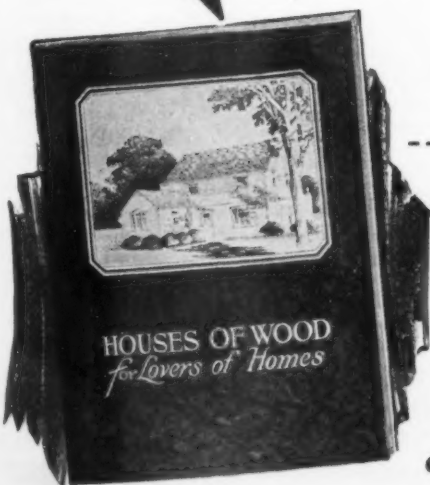
Includes the \$1,000 Prize Plan—9 Other Prize Winners and
10 More Excellent Designs: 25 in All, Drawn By 25 Skilled
Architects and Now Published for the First Time

Send
for
your
copy
now
25 cents
postpaid

These plans were chosen from more than 300 submitted in our recent architectural prize competition. The houses include all those features dear to the housewife's heart—step-saving arrangement, bright, cheerful rooms, breakfast alcove, sleeping porch, a wealth of closet space, built-in conveniences—in short, hominess and cozy comfort in every nook and corner.

You'll like these plans too because they'll reaffirm your faith, confidence and admiration in and for the house of wood. The book will show you a home suited to your needs, to be built throughout of Arkansas Soft Pine—a wood of tough strength in the structure, paint-holding surfaces for the exterior and rare beauty for interior woodwork, all in keeping with your desires and pocket book.

Just enclose 25c, coin or postage, with the convenient coupon below and give yourself a real home-lover's treat. {Remember you can remodel from these designs as well as build anew.}



-----TEAR OFF AND MAIL-----

ARKANSAS SOFT PINE BUREAU
745 Boyle Building, Little Rock, Arkansas

Enclosed find 25 cents for a copy of your book "Houses of Wood for Lovers of Homes."

Name

Street

City and State

Arkansas Soft Pine is trade-marked, grade-marked and sold by dealers east of the Rockies.



For Full Information
Mail the Coupon



The fascinating Natural
Colors and random design of
Mettowee Stone

invoke a soothing spell of unconventional charm within your garden environs.

In this modern age when color flourishes everywhere the subtle hues of Mettowee stone repose themselves as gems in an emerald setting, so natural as to give the impression of actually growing there.

Your local building material dealer will be glad to show you samples. If he does not have any available we will gladly put you in touch with one who does. Our illustrated literature will doubtless interest you—shall we send our pamphlet "S."



VENDOR SLATE CO. INC.
EASTON • PENNSYLVANIA

"New York Office and display rooms, 101 Park Avenue"



The revival of an American craft

Continued from page 508

present, may be purchased for about \$8. Elbow pillows, the height of luxury for reading in bed cost \$9 in taffeta. An oval pillow with a ship motif in Trapunto work is priced at \$6.

Handkerchief and lingerie cases, pincushions and sachets are exquisitely feminine in quilted taffeta or velvet. A tiny pincushion for the dressing-table with the bird of paradise design costs \$3.50, and one which hangs by a ribbon and is quilted in a diamond pattern may be had at the same price. Matching lingerie cases in square and oblong styles cost \$7.50 and \$10 each, and are fragrantly scented.

A lovely carnation pattern decorates handkerchief, stocking, and lingerie cases, which sell at prices ranging from a little less than \$10 to almost \$20 depending on the size, and the amount of work required in

quilting them. One handkerchief case which is particularly effective has a design which is hand-painted first, in several colors, and then quilted in Trapunto. It costs \$8.

For the woman who finds greatest enjoyment in the fruits of her own handiwork, but who cannot give the same amount of time that went into the creation of the fascinating old Colonial quilts, an interesting solution is now being offered in the shops. This is an assortment of the "makings" of a quilt, which may be put together in leisure moments. In the old days, the cutting of the patches to form certain prized patterns was a great part of the labor. To-day one may buy the pieces, cut from quaint oil-prints, all ready to put together. Familiar patterns presented are Block House, Churn Dash, and Log Cabin. The patches in each assortment come in from four to eight different colors.

The July dinner table

Continued from page 484

Many styles of linen may be used or even a bare table is appropriate if the china and glass is in keeping. One delightful outdoor set is Deruta linen, a coarsely woven linen made entirely by hand and designed by women of Deruta, Italy. Crash is charming, and any coarse linen makes an interesting outdoor covering for a table.

There are many beautiful sets of colored glass that may be combined with other colors, for glass comes in almost every conceivable shade—amber, dark blue, celeste blue, dark green, light green, rose, flamingo, and even a canary yellow, which has a decided green tinge. One especially lovely combination for an outdoor table is of celeste blue glass placed on a pale pink table cloth with deeper pink flowers. With this is used pale amber handled cutlery. Carry out in deeper shades the pink of the cloth, in the food selected for the dinner.

The menu might be:

Cherry and strawberry cocktail

Lobster cutlet with peas and new buttered potatoes.

Lettuce and tomato salad with sliced ham

Raspberry ice cream.

Another combination is amber glass on a gold tablecloth. With this Mari-golds in all shades from pale gold to deep orange are used, and cutlery of yellowish coral makes an addition to the table which is very lovely. The menu for this especially favorite dinner table of mine consists of:

Clear soup with Parmesan cheese grated and sprinkled over it.

Roast breasts of duck with stuffed oranges, hominy, and small boiled onions.

Artichokes and pineapple salad with cheese sticks.

Frozen custard pudding with orange cakes.

Porcelain dishes with gay floral decorations look well on a bare table. One especially interesting set has a brown background and is painted with bright nasturtiums of all colors. This set is used with reddish amber glass and of course with the many colored nasturtiums in the center of the table. This table arrangement, having warmth in appearance, needs a cold menu to make the guests feel that fall is approaching in spite of the heat.

Again let us have jellied soup, this time the essence of tomato, served with Melba toast.

The main course must be cold but hearty. I should suggest for this: cold leg of lamb with mint jelly circles, hot potato balls with parsley, butter, and broccoli. The salad course can consist of Avocado salad with Pistachio cheese balls. Serve salted crackers with this. For dessert, mint ice cream with angel food, and black coffee.

Suppose you have only a delightful back yard with a single tree and are living almost picnic fashion with no servants. If you have a small tea wagon the first course may be placed upon the table and the wagon with the other courses placed close to the table. A small side table might be used for the dishes that are removed from the table when the next course is served.

Wherever the summer is spent in the country or at the seashore, the menu and table setting proves a very important item to all concerned. Before leaving for the country it is necessary to shop for lovely, though inexpensive, china and glassware, pretty but coarse linen, and all the extra necessary things that cannot be purchased in the country.

Whether one has a country place or a small house and a tree the table set out-of-doors, with colorful porcelain and glass seems even to the casual onlooker much lovelier and more attractive than the conventional city routine of simply eating because one must.



Needs little attention. Burns cheaper grades of coal. Jacket of bright red vitreous enamel, top and base black japanned. Well made, lasts for years.

You Can't Surprise A Multi-Flow

No matter what time of day or night you want clean, piping-hot water, you'll find that the National Multi-Flow Tank Heater has a whole tankful ready for you.

This efficient and economical little heater is on duty 24 hours every day. You just can't surprise it.

And all the attention it needs is a few shovels of coal a day! That's convenience!

All the "water parts" in the National Multi-Flow Tank Heater are copper or bronze, assuring clean hot water at all times.

The initial cost on these heaters is low—the cost of fuel one-third to one-half what you now pay for similar service.

May we send you further particulars?

NATIONAL MULTI-FLOW TANK HEATER

THE NATIONAL PIPE BENDING CO.

Established 1883

New Haven, Conn.

Boston

New York

Philadelphia



"It's so cold!"

"It's so STUFFY!"

"It's so dry!"

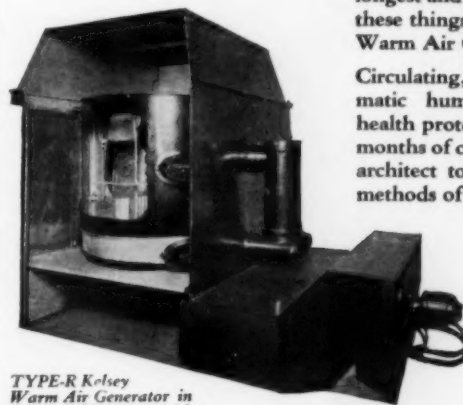
ALL winter long, the same exclamations. The same discomfort. The same longing for a house filled with warm, live, fresh air.

But—when the mild summer weather chases away all desire for warm air—then, unfortunately, is the time to have a new heater installed. How much more thought you would give to selecting that heater if it were put in on a cold January morning!

Then you would consider, ever so carefully, how you could get the most healthful, fresh, clean warm air with the windows tightly closed; which heater is most economical and easy to operate; which heater will last the longest and give the best service. When these things are considered—the Kelsey Warm Air Generator is the answer.

Circulating, ever-changing air—automatic humidification—you need this health protection against the dangerous months of colds and sickness. Ask your architect to advise you about modern methods of heating by warm air.

Before buying, be sure to read our booklet "Kelsey Health Heat." It contains a lot of valuable information. Let us send it to you today.



TYPE-R Kelsey Warm Air Generator in Class A Housing with Automatic Blower

THE KELSEY HEATING COMPANY

238 James St., Syracuse, N. Y.

Boston—60 Sudbury Street
4 Merrimac Street
New York—565 Fifth Avenue

Brockville, Canada
Dealers—Principal Cities



Kelsey Heating Company
238 James Street, Syracuse, N. Y.

Without obligation please send me your Free Booklet on Kelsey Health Heat. I have a . . . room house.

Name

Address

City State

Note—Arrangements can be made to purchase a Kelsey Heater on easy payments

Reproducing Virginia's Old Homes How Best to Secure Their Choice Time-toned Effect



Jefferson had the brick for Monticello made right on the place by the men who also did their laying.

We now make a true mould-made Jefferson brick. Architects especially like its squarish headers.

AS you know, all those early fine old homes, like Shirley, Westover and Carter's Grove, were all built of brick. So just naturally, you will want to do the same.

Of next importance, is the selection of a brick that because of its size, its soft-toned edges, and time-toned colors, at once gives an effect of Old Virginia age-oldness. The only way to secure this result, is to use a brick made the mould-made way. Brick made way down here in Old Virginia, just as Jefferson made his brick for Monticello. It's not so long since we rediscovered

how he did it. In fact, we found the remains of the very kiln in which he burned the bricks for Poplar Grove, his retreat home, as he called it.

To tell the truth, to look at these Old Virginia brick of ours, they don't look like so much—that is, one at a time. But when they are in a wall, a fireplace, or a chimney, they do give a truly lovely age-old result. One having those rich, subdued colorings such as you seek. We make them in the special Jefferson size, as well as in the standard size. We suggest your sticking to the Jefferson.

Send for circular on The True Moulded Old Virginians

Old Virginia Brick Co.
Salem, Virginia



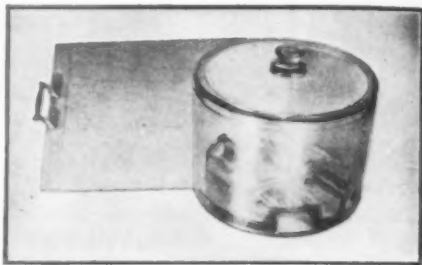
Devices for American Homes

Conducted By
Shirley Paine

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



THIS pea huller hulls faster than you can feed them—2 lbs. in 2 to 5 minutes. Any grade peas used: does not crush peas; will never wear out; fits in any utensil drawer. No finger stains. \$1.20 prepaid east of Miss.



CCHEESE preserver & board of seasoned white pine, silver plated handles, 12 x 15", \$4.50. Glass preserver has 4 rests; holds cheese off bottom; small trough for vinegar & salt to keep it moist. \$1. Exp. collect.

NEW triple-service electric oven stove bakes, roasts, makes toast, and boils vegetables with one enclosed burner. 3-heat switch; 110 v. universal current. Runs on stored heat for most things at 1/2 electricity cost, with switch turned off. As shown \$12; same without back warming shelf, \$6; all p'paid. Add \$1 west of Denver



STEM-O (non-rusting) creates beautiful effects from short, broken stemmed flowers. Use your biggest handsome vases easily. Coil winds about stem; length adjustable. \$1.35 doz. p'pd. east Miss.



AHANDSOME green and yellow bird-fountain—has fountain and bird-bath combined! 16" basin of non-rust wrought iron; 40" ht., secure from cats. Lower section has point; may be placed anywhere—even or uneven ground. Assembled in 2 minutes without tools. Hose connection at base. In carton, \$6 p'paid east of Rockies; add \$1, west.

WHY invite sun-stroke or frost-bite craning out of one's window trying to read antiquated thermometers? This one reads front or either side in a second; designed by an artist for milady who wants the best—for her house, closed car, office, airplane, or yacht. Guaranteed accurate! Polished brass, \$3.60; in stunning nickel with red numerals, \$4.10. P'paid.



I'VE just found a fine combination vacuum cleaner and floor polisher. Motor off and on in less than 10 seconds; easy as putting a tube in the radio. No screws to tighten, no levers or tools needed. After the rugs, shift motor—presto—you are doing the floors! Combination polisher and vacuum, including waxer and 1 qt. wax, no extra attachments, \$84.50; vacuum, \$52.50; polisher, waxer, and lb. wax, \$59.50. Extra vacuum attachments, \$5. Guaranteed.



HERE is an absolutely new item combining the famous Giant Jr. hose nozzle (shown some months ago), with a practical hose holder, making an effective lawn sprinkler at 60¢ complete, postpaid. The clever solid brass nozzle itself weighs but 2 oz., only 1 1/2" high; takes solid stream through all degrees of fine spray to complete shut-off. Can't leak, won't break.



NOW I am showing a "death sentence to apron laundering!" This paper composition apron may be wiped off with damp cloth; absolutely waterproof, stain-proof; lasts for a long time. May be folded to pack or put out of the way; feather-light. Dark blue design, tan ground. Package of 8 sent Prepaid in U. S. A., \$1. Check to Shirley Paine will receive our prompt attention.

"A" Saves hands & knees; saves back fatigue; spreads evenly.

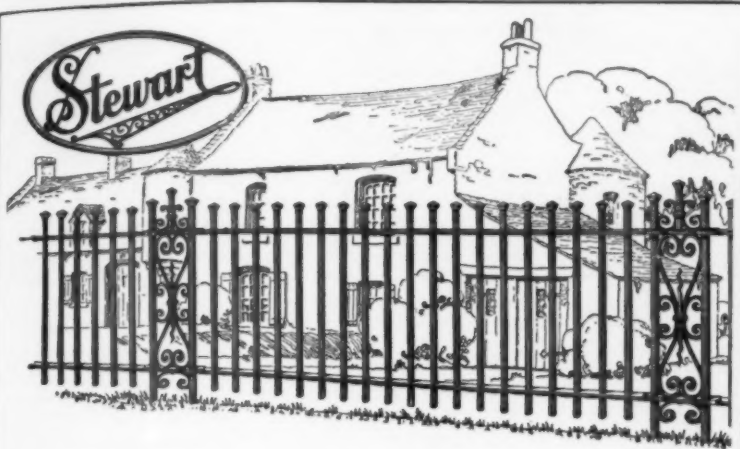


"B" Price is special offer to all our readers saving of \$1.55

THIS efficient floor waxer spreads wax from a patented pressure cylinder, then polishes. Complete waxer and polisher, 1 lb. wax, 15 cloths, 2 polish cloths, \$9.85, p'paid.



A WHOLE laundry handled in 20 seconds—draw string, open side, bag falls out! Avoids germ-breeding methods. Grill ventilators front and back; swivel casters. 10 x 21 x 26" ht. Each person notes things on list in top. Choice jade, lavender, azure, white. Hamper with 2 washable bags and lists, \$9.75, express collect.



An investment in good taste

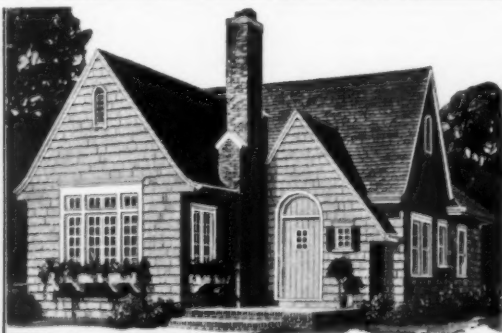
TASTEFUL, dignified iron fence is never an extravagance. On the contrary, it is an investment in good taste and in the satisfaction which comes with the knowledge that one possesses an example of fine craftsmanship.



Let us send you the Stewart Style Book of fences that are always in good taste.

The Stewart Iron Works Co., Inc.
523 Stewart Block Cincinnati, Ohio

You can build your own HOME!



GET MILL PRICES

Take 5 to 15 years to pay

The PATRICIAN
5 rooms, bath
Average monthly payments
\$45.

BUY your home direct from our huge mills at wholesale. Get the full benefit of our rock-bottom prices. Write or wire for details.

Build on your lot. You get free architecture, easy-to-follow plans, and instructions. You profit by our experience with over 200,000 building jobs. Many home-builders save \$2000 by our plan.

We finance you! Besides furnishing highest quality Plan-Cut materials for a complete home as specified, we also loan cash to help build. Repay monthly like rent. No refinancing problems. Satisfaction guaranteed by resources exceeding 3 million dollars.

Gordon-Van Tine homes have finest appointments, such as oak floors throughout, linen closet, medicine cases, phone nooks, clothes chutes, built-in features, and colorful deluxe kitchens. Enjoy year-round comfort: Thermo-Sealed insulation saves 1/4 fuel cost. You get these and other outstanding modern features without additional cost because of extraordinary savings in our 5 huge mills.

Get Free Book of 100 Home Plans. Write your name and address in the coupon and mail to us.

Gordon-Van Tine

World's Largest Specialists in Home Building Since 1865

SEND FOR BOOK OF 100 HOME Plans!



Gordon-Van Tine Co.
1376 Case St., Davenport, Ia.
Please send me Free Plan Book. I am interested in
 Homes Garages
Name.....
St. & No.....
City.....State.....

Our Kitchen Planning Dept. will be glad to prepare lay-outs from blue-prints or rough floor plans without obligation.



The old kitchen on the left was modernized around the WALKER Electric Dishwasher-Sink.

TO FIND NEW PRIDE IN YOUR KITCHEN

LEADING domestic science institutes have recently conducted surveys to show the usefulness of modern equipment in modern kitchens.

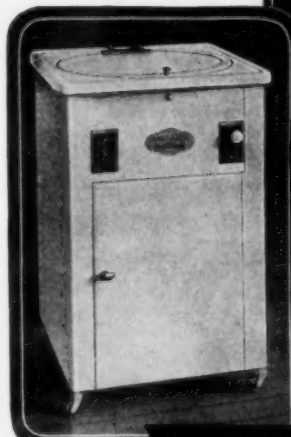
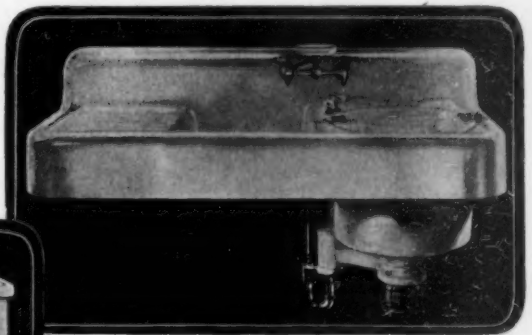
Are you reading the interesting articles being written about Electric Dishwashers in the leading women's magazines? They tell you what it means to the housewife and to her servants to have this newest of electric machines wash the dishes . . . easier,

cleaner, faster . . . without breakage. Apartment builders and operators are installing the WALKER, realizing that their properties are easier to rent with such equipment and will soon be obsolete without an Electric Dishwasher.

Pride in your new home and a greater appreciation of your old home will grow out of a better kitchen.

Model No. 112-R WALKER Electric Dishwasher-Sink.

Model No. 115 WALKER Electric Dishwasher Cabinet—3 colors and White. Portable—furnished with or without side leaves.



Let us send you an interesting story, "The Dawn of a New Day in Your Kitchen," which explains the WALKER Electric Dishwasher and describes a model for every requirement. Whether you choose the sink above or the portable cabinet model shown on the left, you will have a proven electric dishwasher that you will soon recognize as the most important electric equipment in your home. Address WALKER DISHWASHER CORP., Dept. 1704, 246 Walton St., Syracuse, N. Y.

© 1929 W. D. C.

WALKER
ELECTRIC
DISHWASHERS
Sink and Cabinet models

WALKER DISHWASHER CORP., Dept. 1704, Syracuse, N. Y.

Send Booklet, "The Dawn of a New Day in Your Kitchen," and special information about Electric Dishwasher Sink Electric Dishwasher Cabinet Send instruction sheet for kitchen floor plans I would like a demonstration.

Name.....
Address.....

(Names of your architect, plumber and electrical dealer appreciated)

Modern Furnishings Above Modern Basement Walls

Below



Horse-hair sofas and clay bottom basements belong in the same era. Period furniture and oriental rugs fit with modern heating plants in clean, bright, dry basements.

A plan for home decoration which does not call for the permanent painting of masonry walls in the basement is as illogical as one neglecting decoration of wall surfaces in living rooms.

Medusa Portland Cement Paint will assist tremendously in making your scheme of home decoration successful and complete. It will give your basement the appearance friends will naturally expect when you take them below for that first, critical inspection.

Permit us to send you complete information regarding Medusa Portland Cement Paint, its uses and application. Use the coupon below, if you wish.

MEDUSA PORTLAND CEMENT CO., 1002 Engineers' Bldg., Cleveland, Ohio
 Manufacturer of Medusa Portland Cement Paint; Medusa White Portland Cement (plain and waterproofed); Medusa Gray Portland Cement (plain and waterproofed);
 and Medusa Integral Waterproofing.

MEDUSA

PORTLAND
 Cement Paint

1175 PATENTED



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

Name
 City State
 Street Dealer
 Size of basement AH 7-29

Decorating the Spanish house

Continued from page 481

covered with a beautiful green satin damask hung slightly full and loose and surrounded by an exquisitely shaped valance of old green velvet. The chairs are covered in red velvet with gilt nails and arranged formally around the room. A third room has whitewashed plaster walls with brilliant dark blue base tiles, some hanging bookshelves with the same brilliant blue painted on the thickness of the shelves, a brick fireplace with arched top, rather small, with delightful andirons and fireback and a number of small tables. An assortment of carved walnut chairs and some covered in red velvet, such as appeared in the other rooms, supply the necessary seating space. It may be difficult to realize from the written word the charm, dignity, and elegance achieved in these rooms. There was a fine sense of scale and an uncluttered effect gratifying to one seeking relaxation of spirit and of mind.

In decorating the American home of Spanish design there are certain details which should be closely studied. Tiles may be generously used, and in practically every room of the house, either as decorations in baked clay floors, as complete dados, or as door trim. The Moorish carved plaster frieze is another feature which would intensify the style. A curious fact about these friezes is that in Moorish houses they were always highly colored while in Christian houses they were white like the walls. There should be more attention paid to the beamed and panelled ceilings. I should recommend fewer damask-hung windows and more panelled shutters opening in sections and placed in deep window reveals.

Matting may be used for the floors but the delightful rugs of Alcaraz and Cuenca, or even the modern Alpujarras, are far lovelier. Occasional small rugs in front of easy chairs are characteristic. The Spanish flavor is retained by using only old iron or brass fixtures. Occasionally one can pick up a fine old brass lamp made for oil and this can be mounted as an exceedingly satisfactory electric lamp. Wrought-iron wall sconces, standing candelabra, and hanging lanterns with glass panels can be made to serve for all the necessary lighting fixtures.

Paintings are very necessary to relieve the dead whiteness of the walls. They must be dark in value, almost black, with dulled gilt frames. Their beauty can be enhanced by hanging them with interesting old cords and tassels. Sometimes an old appliquéd coat of arms will serve as a wall decoration or a built-in cupboard with panelled doors, but pictures can be used in quantity without loss of interest.

In the same way that tiles and whitewashed walls are characteristic of the Spanish house so there are certain favorite pieces of furniture. The brazier is one. Of various designs and materials, I have yet to see one that is not beautiful. Sometimes the frames are of wood like a large tabouret with sunken metal tray in the center for the coals. The artistic ancestry of these is obviously Oriental. Americans would doubtless find another use for these charming things since our household heating must de-

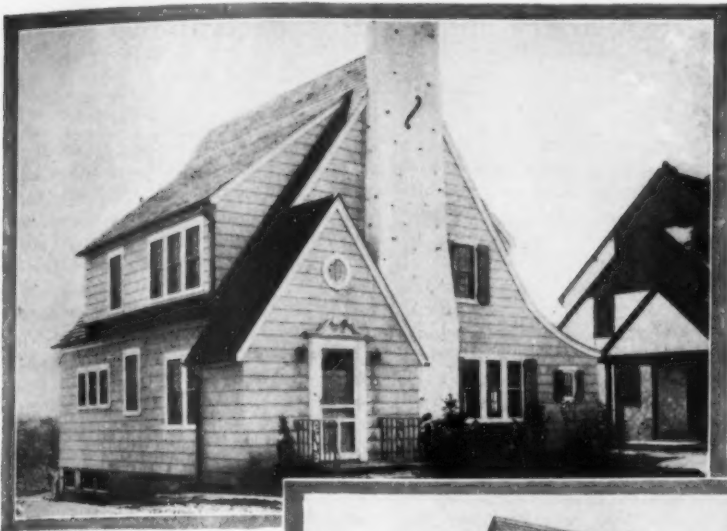
pend upon something far less local than a dish of coals.

Another piece which is always present in the Spanish interior is the *vargueño*, more comparable to an American secretary than any piece we have. It contains numerous drawers for family papers. It is in the form of a box the front panel of which lets down disclosing the small compartments. It may have its own stand or it may rest upon a casual table and its variety is almost infinite. The *vargueños* have beautiful wrought-iron hinges and locks and any amount of carving with ivory and tortoise shell and precious metal inlays. Heavy iron handles on each end proclaim that they were often carried from house to house. The same type of long carved chest resting on the floor is invariably present and small coffers covered in velvet or leather or made of wood ornament the tables.

And the tables are of many varieties and sizes, all rather architectural with characteristic and pleasing ornament. Wooden settees are of picturesque line. They are undoubtedly visualized as ornamental silhouettes against white walls. In this instance comfort is most wholeheartedly tossed aside. Beds, too, are of characteristic designing. To call them elaborate and grandiose is putting it mildly. Spindles and finials, spindles and finials, all worked toward an arched top some five or six feet from the floor. Others are painted in a lusty manner with free use of gilt and warm glowing color. These were never made to be put in the corner but to dominate the room.

Spanish furniture has a directness, strength, and simplicity that are highly admirable. Spanish rooms are simply furnished, and it may be that the lack of quantity has improved the quality. In furnishing a small house such as Mr. Windom has designed for THE AMERICAN HOME remember these things: Spanish architecture is simple. It derives its interest from the contrast of broad, smooth, white wall surfaces with rippling red-brown roofs. Do not make the architecture elaborate. Spanish interior decoration is simple. Its chief features are: broad white walls and a few pieces of furniture. Incidental elements of decoration are: *color* (1) in tiles, or in painted surfaces in place of tiles; (2) in pieces of brass and copper; (3) in pieces of furniture which simulate lacquer; (4) in beamed ceilings painted in Moorish designs; and *contrast* (1) in dark furniture against white walls; (2) in dark pictures; (3) in wrought-iron work contrasted with walnut furniture, white walls, or bright tiles. Do not make Spanish interiors elaborate. Do not try to use all of these elements at once.

Remember, too, that the house we live in should be more substantial than an airy "castle in Spain." In other words the small American house in the Spanish manner derives from a Spanish farmhouse. It is as much of the earth as a Colonial farmhouse. Furnish it sensibly. Use a few fine Spanish pieces to harmonize with the architecture: a *vargueño*, a walnut chest, a *frailero* or leather covered chair, some dark paintings, and some Spanish lanterns.



A practical modern home in Glenridge, N. J., Arch't Marcel Villanueva. A WEATHERBEST Green Roof in delightful harmony with WEATHERBEST Colonial White Sidewalls.



Home by H. B. Davenport in the DeWittshire Tract, Syracuse, N. Y. has WEATHERBEST Gray Sidewalls with a variegated Green WEATHERBEST Roof.

Two Characteristic Examples of Modern WEATHERBEST Homes

HERE is a building material for sidewalls and roofs that best lends itself to the trend of present-day architecture for small homes of unique design and colorful exteriors.

From time to time Color Pages appear in this magazine showing WEATHERBEST Stained Shingle Homes in actual colors. These halftone illustrations are typical of many WEATHERBEST Homes shown in a Portfolio with color key that enables you to visualize different combinations for sidewalls and roofs.

Write today for Color Chart and Portfolio of Photogravures mentioned above. Send 10c (stamps or coin) for postage and handling. If interested in modernizing a home growing old, check coupon for booklet, "Making Old Houses Into Charming Homes," and details of \$3,000 Cash Prize Contest.

Ask your lumber dealer for prices; many dealers carry standard colors in stock. WEATHERBEST STAINED SHINGLE Co., Inc., 2115 Island St., North Tonawanda, N. Y. Western Plant—St. Paul, Minn. Distributing Warehouses in Leading Centers.

Weatherbest
STAINED-SHINGLES
FOR ROOFS AND SIDE-WALLS

WEATHERBEST STAINED SHINGLE Co., Inc.
2115 Island St., North Tonawanda, N. Y.

Enclosed find 10c (stamps or coin) for postage and handling.

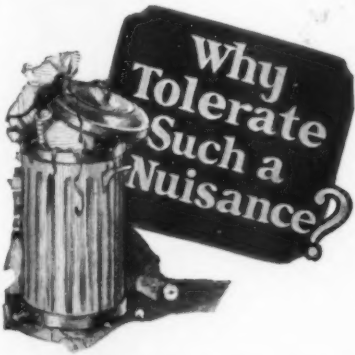
Please send WEATHERBEST Color Chart and Portfolio of Photogravures showing WEATHERBEST Homes in full color, some with floor plans.

Also enclose book on Modernizing and Reshingling Old Homes.

Send FREE, details of \$3,000 Home Modernizing Contest and enrollment blank.

Name

Address



CLEAN OUT unsatisfactory home heating methods!



Now is the time to prepare for next winter's comfort with the most modern, reliable and economical of all automatic home heating systems.

The Electric Furnace-Man

Provides uniform heat with SAFETY, CLEANLINESS and EFFICIENCY as well as automatic CONVENIENCE. Nothing to worry about—no smoke, smudge or odor. Simple to install in any heating plant—warm air, steam, vapor or hot water. Ideal for HOT WATER SUPPLY.

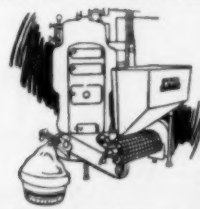
Burns Anthracite (hard coal) in the economical Buckwheat and Rice sizes. Automatically feeds the coal and removes the ashes to sealed container outside the furnace.

The Electric Furnace-Man

Patented Product of

DOMESTIC STOKER COMPANY

Gillespie Bldg. 7 Dey St. New York



See Demonstration at Local Dealer's Showroom.

Deferred Payments If You Prefer

Please mail me without cost or obligation your attractive illustrated book on the ELECTRIC FURNACE-MAN, the Modern, Automatic Home Heating System.

Name

Address

Why YOU NEED THIS BOOK



If you plan to build a new home or remodel an old one this 44-page book will aid you in many ways. For instance, it will show you how to save 25% or more of your intended expenditure for plumbing and heating. A free copy will be promptly sent if you will return the coupon below.

Smyth-Despard Co.
Utica, N. Y.



SMYTH-DESPARD CO., 805 Broad St. Utica, N. Y.

Please send your book "Modern Plumbing and Heating."

Name

Address

City

INSTEAD of foul smelling, germ breeding, work creating garbage cans, thousands of America's modern homes have the Kernerator. The handy hopper door of the Chimney-Fed model, in or near the kitchen, receives garbage, tin cans, old papers, sweepings, etc. Falling to the brick combustion chamber in the basement, everything is air-dried for occasional lighting (a match does it — no commercial fuel required — the discarded combustible waste is the only fuel needed).

For homes already built or new homes where chimney location is inconvenient, the Basement-Fed Kernerator is ideal. Costs about the same as a portable gas-fired incinerator of half the capacity and pays for itself in gas savings in a few years' time.

Send for Booklets

KERNER INCINERATOR COMPANY
791 East Water St. Milwaukee, Wis.

KERNERATOR
INCINERATION

Garbage and Waste Disposal for New and Existing Buildings



Stop Him from Blowing DISCOMFORT through your Windows and Doors

HE swirls and twists down the street in clouds of dust. He pelts rain against your home . . . and forces this dirt and moisture in around your windows and doors. In Winter, he pours in cold air and soot—causes fuel waste, drafts and discomfort.

Can your doors and windows shut him out? Many thousands of home owners know that the most effective way to conquer him and enjoy true comfort the year around is to have Monarch Metal Weatherstrip installed.

They discovered that Monarch Weatherstrip is unusually efficient in shutting out discomfort. This efficiency has been verified repeatedly by impartial "air leakage" tests made in laboratories of recognized authorities.

This high efficiency is made possible by the Monarch interlocked and adjustable principle of Weatherstrip

design. Whether windows and doors shrink or swell, Monarch Metal Weatherstrip adjusts itself automatically without changing the accurate machine "fit" built into it at the factory. Monarch always works.

Monarch not only guarantees material and workmanship, but also guarantees that its Weatherstrip will maintain maximum efficiency for the life of the building. Yet, the actual installation cost of Monarch on either wood or steel windows and doors is surprisingly low.

Fall and Winter discomforts are coming. Phone the local Monarch licensee and have him explain how you can purchase Monarch Comfort Insurance on an easy Budget Payment Plan.

Or, let us send you the complete Monarch story in our booklet, "Where Heat Economy Begins."



MONARCH METAL WEATHERSTRIP CO., 5061 Penrose Street, Saint Louis
You may send me your free book, "Where Heat Economy Begins."

Name _____ City _____

State _____



Variety spices porch decoration

Continued from page 483

for the woman who has little time to spend. However, many shops still believe that more satisfactory results are obtained by selling pieces individually, although the set may be bought as a whole.

The modernism apparent in the contours of porch furniture is pleasant and restrained. The long, low lines of the chairs are suited to the informal atmosphere of a porch or sunroom. Square lines and curved ones are used in equal proportion, but are rarely combined in the same sets. Chairs are built lower to the ground and backs are tilted. Shelves and niches are worked into the furniture in unexpected and miraculous ways.

Burnt rattan is one of the latest developments in porch furniture. It is rather like bamboo in appearance, and the burning is done at uneven intervals with a torch. Some chairs of this material have seats of metal webbing on which the upholstered cushions rest, insuring a greater degree of comfort than an ordinary seat. One such chair is upholstered in a new material resembling coarsely woven crash of natural color, with a pattern in red and black.

Plain rattan is also used to fashion clever little side chairs, with or without arms. For these, split rattan is

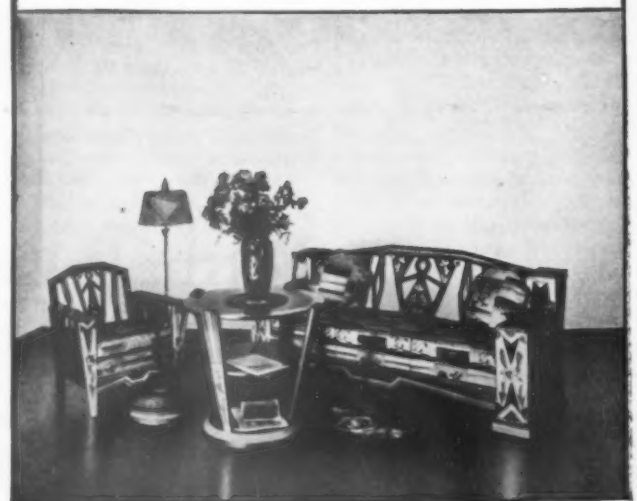
used instead of the round sticks and the weave is suggestive of the mats that children make at kindergarten. These chairs have a nice shape, a high luster, and come in many two-tone combinations. They are attractive as extra chairs in conjunction with a small set of reed or willow. They are said to be weather-proof.

Stick reed and stick willow appear more popular at present than the woven varieties. However, a woven chair of pleasing lines and attractive color is always good, and does not require the same amount of upholstery for comfort as chairs made of straight sticks, although the latter may be more effective. The newer sets have both back and seat cushions, and some of them have the chairs lined in addition, with large round-headed tacks to hold the material in place.

A development of the season is the use of new varieties of fabrikoid, a water-proofed material with a finely ribbed surface, that seems ideal for outdoor use. It comes in fascinating colors, and in two-tone effects which make a feature of dashing appliques in the form of slanting lines or geometric figures. Orange and black and chartreuse green with royal blue are among the combinations employed in (continued on page 520)



Long low lines and square corners lend an air to this chair and settee of stick reed. (Courtesy R. H. Macy & Co.)



Modernism enters the porch grouping. This decidedly different set was shown in the American Furniture Mart, Chicago



behind PAGE FENCE

You can protect them—children, pets, gardens, property—with a sturdy barrier of Page Fence; Ornamental Wrought Iron Fence and Page Chain Link Fence with copper-bearing steel galvanized after weaving or Copperweld steel fabric.

53 Service Plants erect fence everywhere

Factual property protection book, "Boundary Lines," sent on request. Write today.



PAGE FENCE ASSOCIATION
215 N. Michigan Avenue, Dept. 17
Chicago, Ill.

HEIDER
Coaster Wagons

Steel or Wood Box. Wire or Disc Wheels PATENTED Auto-Axle or Fifth-Wheel Models. Name HEIDER on Wagons means Quality. Don't accept substitutes. IF YOUR DEALER doesn't have Genuine HEIDER, write us. HEIDER MFG. CO. 214 W. 3rd Street CARROLL, IOWA

From Colored circulation request, illustrating 18 models.

Write Doubleday, Doran & Company, Inc., Garden City, Long Island, for a list of their

NATURE BOOKS

BEAUTIFUL AND ATTRACTIVE Shady-way ROLLER AWNINGS



SHADY-WAY Roller Awnings are tailored awnings—always neat and trim. Always taut—don't flap in wind. They roll up or down, easier than a window shade. Once up, always up. No winter storage necessary—entire awning rolls under shielding hood and is protected from rain, sleet, snow and all weather. A combination awning and shade, operated from inside.

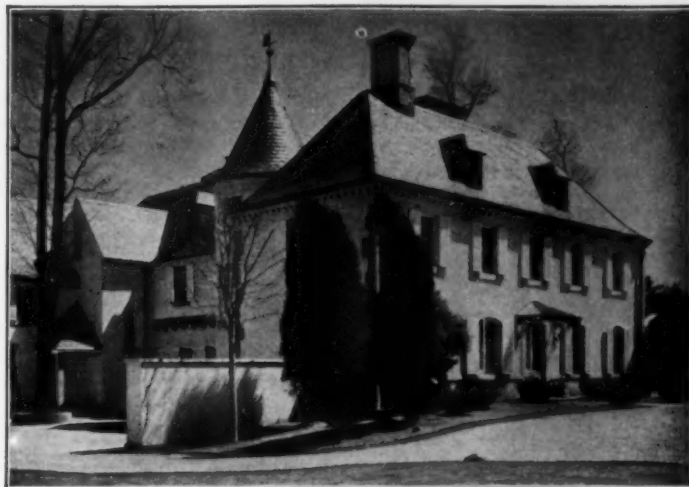
Send for Free Awning Book

Shady-way Roller Awnings will add to the beauty of your home. These neat, distinctively colored, tailored awnings beautify your premises and give your home a decidedly artistic touch. Send today for the FREE Awning Book. It gives you all the facts on this most modern, 9-point, economical and practical awning.



Shady-way Awning Division,
SHANKLIN MFG. CO., Inc.
2716 S. Eleventh St., Springfield, Ill.

Name
St. & No.
City State



Cabot's Collopakes and Cabot's Quilt were used by William T. Aldrich, Architect, in his own beautiful home at Brookline, Massachusetts

Ask Cabot!

A special free service to readers of American Home

WHAT is bothering you? Have you some vexing problem to solve? Would you like your home (old or new) to be the best looking, most modern and healthful in town? Would you like to save \$100, \$500, or \$1000 in construction costs, paint, roofing, heating?

Here is your chance. Thousands of American Home readers have written to us for books, pamphlets and reports of scientific tests. We are grateful. We reciprocate. We will answer, free, any home painting or insulating question you may ask us.

During July, You Own Our Laboratory

Treat it as we do. Ask any question about paints, stains, roofings, wood preservers or colors. We are chemists first, manufacturers afterward. Your letter will go to a chemist and will be studied in the lab-

oratory. A complete, helpful answer will be sent to you, free of charge. Use the coupon below, so we will recognize you as an American Home reader-- your question can be written on a separate sheet.

Cabot Research Laboratory

Inventors and Improvers of

- Cabot's Gloss Collopakes
- Cabot's DOUBLE-WHITE
- Cabot's Quilt
- Cabot's Interior Wood Stains
- Cabot's Interior Flat Waterproof Collopakes
- Cabot's Creosote Shingle and Wood Stains
- And many other high grade Building Specialties

SPECIAL COUPON

Samuel Cabot
Inc.

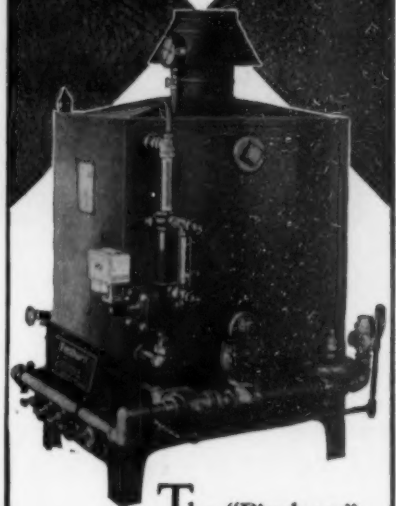
141 Milk Street, Boston

Please send me full information on
CABOT'S COLLOPAGES
and answer, free, my questions attached

Name
Address



MORE HEAT with less GAS



The "Pittsburg" Gas Boiler supplies a relatively greater amount of heat with less gas consumption than other boilers on the market. The design and spacing of the water tubes, for example, being exclusive with "Pittsburg", permits the heating of a larger water surface, resulting in more rapid heat.

Be sure to see "Pittsburg" before selecting a house heater. It's a product of the world's largest makers of water heaters.

Mail coupon below for Free Estimate showing what it will cost to heat your home with a "Pittsburg". No obligation.

Pittsburg GAS HOUSE HEATER

A-2

The Pittsburg
Water Heater Co.
Pittsburgh, Pa.

Please estimate cost of heating my home with gas.

Name
Address
City
State

Just Turn the Switch!



such an easy way
to make
DELICIOUS
Frozen Desserts

ON SUMMER days there is no dessert that can equal frozen delicacies—made at home so you know they are pure and nourishing as well as appetizing.

The Alaska Household Electric offers an easy and efficient way to provide dainty frappes and mousses—frozen puddings and fruity creams, or cooling sherbets and ices. *Let the motor do the work.* Just turn the switch and the famous Alaska Spoon Dasher whips and aerates the cream, making it light and smooth.

For family use, for club entertainments, and for tea rooms, this compact, convenient electric freezer is invaluable. Electrical unit used is patented and manufactured by the Louisville Electric Manufacturing Co., Inc., Louisville, Ky. For descriptive booklet and information concerning the different sizes and dealers from whom the freezer may be purchased, address Alaska Freezer Co., Inc., Dept. W-2 Winchendon, Mass.

Free

Book of tested recipes giving a variety of new and delicious frozen desserts. Mail coupon for copy.



ALASKA FREEZER CO., Inc.
Dept. W-2, Winchendon, Mass.

Please send me the Free recipe booklet of "Frozen Desserts" and information concerning the Household Electric.

Name _____

Street _____

City _____ State _____

ALASKA
Household Electric

Variety spices porch decoration

Continued from page 518

this manner. The use of solid color for upholstery on porch furniture rather than gay patterns is a new note, but this is practical only in such washable materials as fabrikoid.

A popular chair is known as the "wheelbarrow" because it is built on wheelbarrow principles and may be trundled from place to place. It has the requisite length for comfort and is usually upholstered with a sectional mattress. The well-named "peacock chair" with its circular back is familiar to most of us, and is, of course, excellent for decorative effect. One gorgeous version comes in orange and blue-green stick reed. There are less expensive variations of the same chair in many of the shops.

The new tables and stands differ radically from their predecessors and indicate the modern influence even more clearly than the other furniture. They abound in unexpected cubbyholes and odd little shelves. The newest and most practical note is the substitution of bakelite in place of painted wood for table tops. One attractive small table of this type has a lower circular section while the top is semi-circular. It is carried out in black and red and is priced at \$26.50.

The accessories on the porch are as

important as those in the living room. Plant stands for cactus or ivy are nice adjuncts to the outdoor ensemble. Inexpensive little metal stands in antique green or rusty finish cost about \$4, and the accompanying pots are priced at 75 cents each. Wall pockets of Spanish glass, Della Robbia ware, or even of tin concealed in reed covers are effective on either side of a doorway or in the spaces between windows.

Many shops are showing lamps which match porch suites, but there seems to be a general feeling that lamps should provide a note of sharp contrast. Enormous bottles of colored glass, simple in shape and topped with pleated shades of modernistic paper or chintz, are good in porch ensembles.

The choice of a rug is important. If the porch is exposed, the floor covering should be light and easily removable in the event of heavy rains. There are imported plaid rugs of coarsely woven texture, which may be had in narrow widths and are delightful for porch use. The conventional floor covering is Japanese rush or a wool and fiber combination. The latter is now being shown in new patterns and weaves.

Multiplication tables

Continued from page 489

nothing else. It is practical in the bungalow type of country house.

One of the most popular forms, according to those who sell furniture, is a recent adaptation of the drawer-top. In its old form, the drawer-top table expands at either end, making a long table out of a short, medium-wide one. The newer development expands the table sideways, instead of lengthwise, starting with a narrow table that opens up to make one almost square. Such a shape is more usable in most living rooms than a table that is wider at the start. It fits neatly into the living room scheme of things, to back a davenport or to be set against a wall. The side-expanding drawer-top is called the duplex table. It improves upon its ancestor by having a capacious drawer at one side, partitioned and lined with velvet to hold everyday flat silver. This convenient drawer proves to be a practical feature.

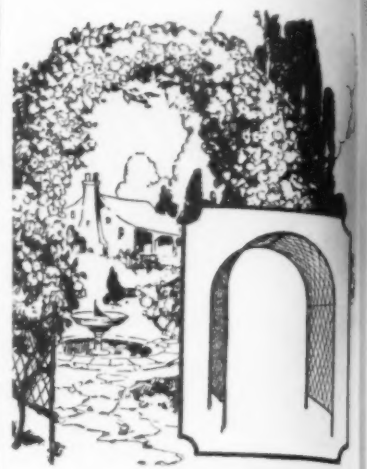
Another long narrow table that expands sideways provides no drawer space but has the virtue of being extremely easy to operate. All of them are fairly simple to open and close (if not they could not be nearly so helpful) but this drop-leaf table we are speaking of is just a bit simpler to handle than some of the others. The drop-leaves are so attached to the table that they may be snapped up under it, entirely out of sight and mind, except when wanted.

Still a third modern variation of this theme "turns the table" most effectively. The top is double, with a center hinge. It opens bookwise, the whole thing sliding over so that the enlarged table is securely centered

on the base. Under the top is large enough storage place for both silverware and linen, accessible when the table top is shoved over, before it is opened.

Some households do not object to the presence of the obvious drop-leaf. For them, the answer may be the butterfly or gateleg table. The latter raises some objections because the double legs that hold the leaves in place get in the way of human legs under the table. One way to overcome this handicap is by the choice of a gateleg table with the slanting extra legs, such as are found in the Crane gateleg. For a small family that will not have more than four or six at the table, there are slender davenport tables with side leaves that may be opened quite comfortably for dining and, with the leaves dropped, will fit into a fairly small side-wall space.

Nests of tables are by no means new, but they certainly belong in the multiplication table category. One nest consists of a small, square rather high table and two long narrow tables, each successively a little lower than its companion pieces. They slip together and may be arranged in balanced formation or pulled out and adjusted to fit into an odd corner or fill some odd space. Another modern idea is the fan table, that swings together into a small pie-shaped wedge or opens to considerable size by spreading its four parts to their fullest extent. Even the drop-leaf idea has been introduced into the table nest, the leaves being part of the top (the largest) table, which opens up to teatable size and adds a removable glass tray for good measure.



As an entrance
to your garden

or at the beginning of a walk—this sturdy, graceful arch covered with your favorite climbing rose or vine. Painted deep green, weatherproof; easy to erect.

In 18" width, \$12; 24", \$15; 30", \$18; 36", \$21—all 7' high, 5' span. Special sizes to order. Have your dealer order one now. Immediate shipment. Mfd. by The John P. Smith Company, 493 State Street, New Haven, Conn.

SMITH WIRE ARCHES

RE-ROOF
WITH
SLATE

Over Your
Old Roof



Slate makes
charming
terraces and walks.

You can modernize your home with slate, quickly and economically with no inconvenience. Your slate roof will be as beautiful, permanent and fire-resistant as though your home had been equipped originally, with this enduring and charming "Sheltering Stone." Any slate roofer will gladly furnish an estimate on new or re-roofing work. Write for folders—"Reroofing With Slate" and "Beautiful Roofs that are Permanent."

NATIONAL SLATE ASSOCIATION
Drexel Building Philadelphia, Pa.



Contentment and

Happiness Certain with the
COLONIAL DAMPER

Avoids smoking and cracks in facing that ruin a fireplace. Happiness and contentment in front of an open fire assured when your fireplace is equipped with this perfected draft control. Product of 25 years' fame for twenty-five years. Your architect, contractor or dealer will assure you of the recognized superiority of the Colonial Damper—the only damper made that takes up heat expansion.

Write for catalog and helpful fireplace information.
COLONIAL FIREPLACE COMPANY, 4541 Roosevelt Road, Chicago

GALLOWAY POTTERY
Gives the Essential Touch



ESTAB.
1810

TIME defying, beautifying, high fired Terra Cottas that will give enduring charm to your Garden, Sun-room and Porch.

Catalog illustrating over 300 numbers including bird-baths, sun-dials, benches and other decorative Terra Cottas, sent upon receipt of ten cents in stamps.

GALLOWAY TERRA-COTTA CO.
5214 WALNUT ST. PHILADELPHIA

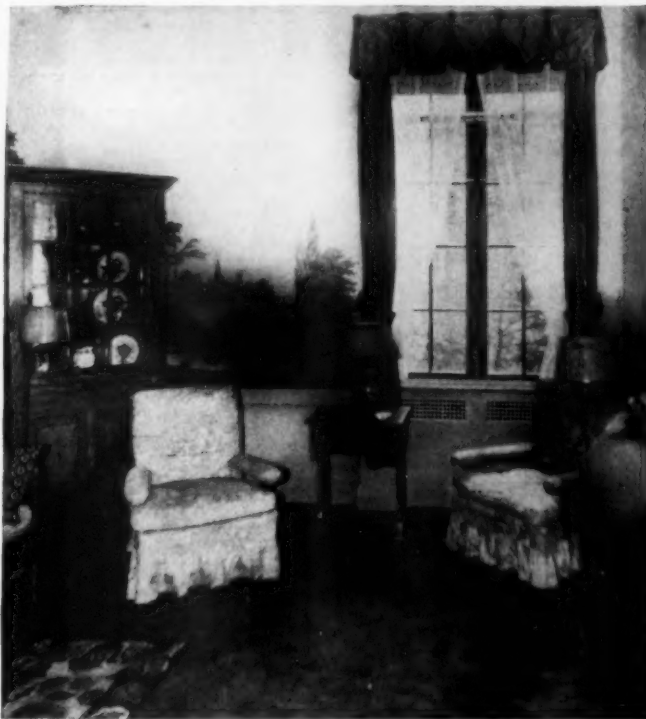
CLEVER women do things nowadays. If they want extra money for clothes, their homes, clubs, or church, they do not wait until they can save out of family income—they earn it themselves.

Selling **THE AMERICAN HOME** is one clever way of earning money—quickly. Let us tell you about this new and easy way to earn money for special needs.

Write
Agency Department
THE AMERICAN HOME
Doubleday, Doran & Co., Inc.
Garden City, New York

ROBRAS 20-20 RADIATORS
In the Wall — Out of Sight — Out of the Way

Room in residence of DeLancey Kountze, Esq.
Greenvale, L. I.



**Only One Excuse
For Not Using
HIDDEN HEAT**

IGNORANCE is no excuse, says the law. You will agree, though, that ignorance should be the *only* excuse for not having Hidden Heat, via ROBRAS 20-20 Radiators. They are in-the-wall, out-of-sight and out-of-the-way.

These radiators are made of brass in such a way that they can be set up in recesses only four inches deep. This is the depth of the *wasted* space between your inner and outer walls or between walls separating the rooms. Put this space to use. Rid your rooms of ugly old-fashion radiators.

You can learn how easily this can be done from the brochure "Proof of the Pudding" which we have prepared for you. Send the coupon below and inform yourself on Hidden Heat.

ROME BRASS RADIATOR CORPORATION

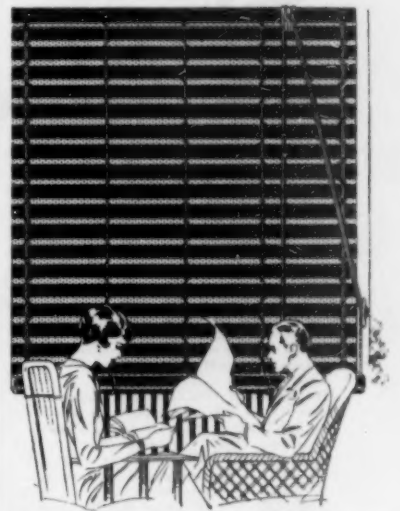
1 East 42nd Street
New York

Send me full details about the ROBRAS 20-20

Address

Name

**A
Delightful
Place**



**On a
Hot
Day**

COOLMOR Porch Shades make your porch a comfortable, outside room with indoor privacy.

They shade you from the sun and exclude the heat. The alternate wide and narrow slat weave provides for free circulation of air.

Every one admires a **COOLMOR** equipped porch. The beautiful permanent colors of **COOLMOR** woodslat shades make your home attractive and individual. They create an atmosphere of refinement and luxury.

**COOLMOR
Porch Shades**

The best store in each city usually sells COOLMOR Porch Shades. If not, we shall be glad to send you literature and full information upon request.

RAYMOND PORCH SHADE CO.
1023 So. Jackson St.
Janesville, Wis.



When Boreas Blows his icy breath upon your home next winter, will the radiators be hot? . . . all over? Or partly cold? You can have complete comfort in every room, if you replace the old valves with Cadwell No. 10 Air Valves. They allow the cold air to escape, and the steam heats the radiators from end to end. Don't let the cold weather catch you unprepared. Attach Cadwell's No. 10 now.

The Cadwell No. 10 Air Valve stays open until all the cold air is out of the radiator. Yet, it is so sensitive to heat, that, at the first touch of steam, it shuts like a clam. The radiator becomes hot all over. If your dealer cannot supply you, we will send you one valve for \$1, postage prepaid. It is guaranteed for five years; anyone can attach it.

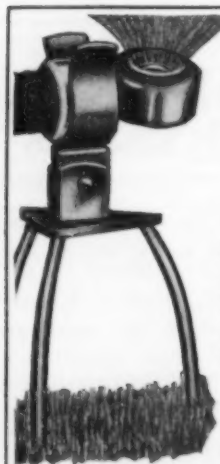


\$1 Anywhere in the U.S.

for steam heat only

CADWELL No. 10 AIR VALVE

Allows the Radiator to Heat from End to End
The Beaton & Cadwell Mfg. Co.
Established 1894
New Britain, Conn.



Soft Spray \$1.50

Here is an unusually low priced lawn sprinkler that provides the soft penetrating spray so necessary for beautiful lawns. Brass thumb screw in sprinkler controls spray; swivel joint on stand adjusts to any angle or direction.

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

CADWELL GEM LAWN SPRINKLER

HELPFUL BOOKLETS FOR THE ASKING

Order by number only, using coupon on page 524

Building Material & Equipment

House Wiring Installation			
HOME OF A HUNDRED COMFORTS <i>General Electric Co.</i>	500	MAKING A FLOOR LIVE LONGER <i>Donald Durham Mfg. Co.</i>	531
Lumber		AN ADVANCEMENT IN PANELING <i>Grand Rapids Interior Paneling Co.</i>	550
BEAUTIFUL WOODWORK AND HOW TO HAVE IT <i>Arkansas Soft Pine Bureau</i>	140	Plumbing Fixtures & Bathroom Equipment	
BEAUTIFUL BIRCH FOR BEAUTIFUL WOODWORK <i>Northern Hemlock & Hardwood Ass'n.</i>	10	THE INSTALLATION COST OF PIPE <i>A. H. Byers Co.</i>	196
"HONOR BILT" HOMES <i>Sears, Roebuck & Co.</i>	383	RUST PROOFED <i>American Brass Co.</i>	217
THE STORY OF WOOD <i>National Lumberman's Ass'n.</i>	386	BATHROOM ARRANGEMENT <i>Crane Co.</i>	32
PICK O' THE PINES <i>Western Pine Mfrs. Ass'n.</i>	535	PIPE POINTERS FOR HOME BUILDERS <i>Reading Iron Co.</i>	519
PLANS OF CUT HOMES <i>The Gordon-Van Tine Co.</i>	541	MAKING BATHROOMS MORE ATTRACTIVE <i>C. F. Church Mfg. Co.</i>	31
Brick, Cement, Stone & Tile		EASY-SET BATHROOM FIXTURES <i>J. H. Balmer Co.</i>	420
THE HOUSE OF STUCCO <i>Atlas Portland Cement Ass'n.</i>	457	PLUMBING FIXTURES IN COLOR <i>Trenton Potteries Co.</i>	480
REMODELING WITH STUCCO <i>Atlas Portland Cement Co.</i>	458	SAMSONCHINA BATHROOM ACCESSORIES <i>DE-LUXE</i>	465
ENDURING BEAUTY OF KERAMIC TILES <i>Associated Tile Mfrs.</i>	2	MEDICINE CABINETS <i>Hess Warming & Ventilating Co.</i>	431
THE FACE BRICK HOME <i>American Face Brick Ass'n.</i>	18	ZUNDEL SANITARY TOILET CHAIR <i>Killzun, Inc.</i>	498
FAIENCE TILES <i>Kraftile Co.</i>	429	Hardware	
WILL YOUR HOUSE BE AS BEAUTIFUL INSIDE AS OUTSIDE? <i>The C. Pardee Wks., Inc.</i>	522	FORGED IRON HARDWARE <i>McKinney Mfg. Co.</i>	154
BEAUTIFUL HOMES OF CONCRETE MASONRY <i>Portland Cement Ass'n.</i>	496	HARDWARE FOR UTILITY AND ORNAMENTATION <i>Sargent & Co.</i>	464
Roofs		IDEAL SCREENS FOR CASEMENT WINDOWS <i>Ralocreen Co.</i>	352
COLOR IN ASBESTOS SHINGLES <i>Johns-Manville, Inc.</i>	14	BETTER WINDOWS FOR YOUR HOME <i>David Lupton's Sons Co.</i>	521
THE CONSTRUCTION OF THATCH ROOFS <i>Weatherbest Stained Shingle Co.</i>	84	WIRE CLOTH SCREENS <i>The Gilbert & Bennett Mfg. Co.</i>	353
THE ETERNAL CHARM OF A SLATE ROOF <i>Vendor Slate Co., Inc.</i>	524	HINTS FOR WINDOW, DOOR, & PORCH SCREENS <i>Wickwire Spencer-Steel Co.</i>	450
ENGLISH THATCH ASBESTOS SHINGLES <i>Asbestos Shingle, Slate, & Sheathing Co.</i>	529	SCREENING YOUR HOME <i>The Higgin Mfg. Co.</i>	27
TUDOR STONE FLAGGING & ROOFS <i>Rising & Nelson Slate Co.</i>	168	CASEMENT SASH ADJUSTERS <i>W. E. Putnam Co.</i>	466
THE WEATHER CAN'T BUDGE THEM <i>Barber Asphalt Co.</i>	481	CONFESSIONS OF A CROOK <i>Segal Lock & Hdwe. Co.</i>	545
ROOFS AND SHEET METAL WORK <i>Leadlad Co.</i>	490	THINGS YOU OUGHT TO KNOW ABOUT CASEMENT WINDOWS <i>Casement Hardware Co.</i>	113
Insulating Materials		Paints & Varnish	
THE BUILDING BOOK <i>Celotex Co.</i>	415	SHINGLE STAIN <i>Samuel Cabot, Inc.</i>	160
THE QUILT BOOK <i>Samuel Cabot, Inc.</i>	397	ALUMINUM PAINT—A PRIMING COAT OF ACTUAL METAL <i>Aluminum Co. of America</i>	538
HOUSE COMFORT THAT PAYS FOR ITSELF <i>Wood Conversion Co.</i>	454	THE WHITEST WHITE HOUSE IN TOWN—BARRELED SUNLIGHT <i>U. S. Gutta Percha Paint Co.</i>	539
HEAT INSULATION FOR HOMES <i>Flax-Li-Num Insulating Co.</i>	286	Water Systems	
Walls & Floors		HOME WATER SERVICE <i>Fairbanks Morse & Co.</i>	516
STEELTEX BETTER WALLS <i>National Steel Fabric Co.</i>	472	Awnings and Porch Shades	
WALLS AND FLOORS <i>Zenithern Company, Inc.</i>	404	WARREN'S PORCH SHADES <i>Warren Shade Co.</i>	517
STYLE IN OAK FLOORS <i>The E. L. Bruce Co.</i>	455	BETTER AWNINGS <i>Shanklin Mfg. Co.</i>	518
NEW COLOR ENCHANTMENT IN HARD MAPLE FLOORS <i>Maple Flooring Mfrs. Ass'n.</i>	3	Sewage Disposal Systems	
THE CHARM OF SLATE FLOORS & WALKS <i>National Slate Ass'n.</i>	576	LOW COST SEWAGE DISPOSAL <i>Kausline Company, Inc.</i>	422
AMBLER ASBESTOS "WALTILE" <i>Asbestos Shingle, Slate & Sheathing Co.</i>	528	SEPTIC TANKS <i>Chemical Toilet Co.</i>	526
SANI-ONYX FOR YOUR WALLS <i>Marietta Mfg. Co.</i>	299		

Heating Equipment

FIREPLACE UNITS <i>Heatilator Co.</i>	419	THE MASTER FURNACE MAN <i>Electrol, Inc.</i>	342
COMPLETE HEATING SYSTEMS GUARANTEED <i>International Heater Co.</i>	488	THE ELECTRIC FURNACE MAN <i>Domestic Stoker Co.</i>	408
FIRE THAT BURNS UP HILL <i>Spencer Heater Co.</i>	316	NEW ARTISTRY IN RADIATOR CONCEALMENTS <i>Tuttle & Bailey Mfg. Co.</i>	227
COMFORT HEAT <i>Burnham Boiler Corp.</i>	281	RADIATOR SHIELDS <i>Sodemann Heat & Power Co.</i>	124
WARM AIR HEATING <i>Kelsey Heating Co.</i>	171	A MODERN HOUSEWARMING <i>U. S. Radiator Corp.</i>	172
HOW SHALL I HEAT MY HOME <i>The American Radiator Co.</i>	470	RADIATOR ENCLOSURES <i>W. H. Johnson & Son Co.</i>	256
SIX WAYS OF MAKING THE CELLAR MORE ATTRACTIVE <i>The Thatcher Co.</i>	28	FIREPLACES OF TRUE VIRGINIA BRICK <i>Old Virginia Brick Co.</i>	387
KEEPING WARM IN WESTON PARK <i>Newport Boiler Company</i>	530	THE PRICELESS GIFT OF COMFORT <i>The Timken-Detroit Co.</i>	448
IN-THE-WALL RADIATORS <i>Rome Brass Radiator Corp.</i>	392	FIREPLACE GUARDS AND FENDERS <i>The John P. Smith Co.</i>	450
WHICH HEAT & WHY <i>Richardson & Boynton Co.</i>	159	WHAT MAKES A HOME <i>Colonial Fireplace Co.</i>	119
THE QUIET MAY AUTOMATIC OIL BURNER <i>May Oil Burner Corp.</i>	182	PENDENT BAROMETERS <i>Taylor Instrument Co.</i>	555
THE SERVANT IN THE CELLAR <i>Caloroil Burner Corp.</i>	263	CADWELL RADIATOR AIR VALVES <i>The Beaton & Cadwell Mfg. Co.</i>	513
HEAT AND THE SPAN OF LIFE <i>American Radiator Co.</i>	523	DOES IT PAY TO INSTALL AN OIL HEATER? <i>Oil Heating Institute</i>	520
EFFICIENT HOUSE HEATING WITH GAS <i>Pittsburgh Water Heater Co.</i>	251	OIL HEATING AT ITS BEST <i>Williams-Oil-O-Matic Heat'g. Co.</i>	185

(Continued on page 524)



Is Your Bathroom on a par with your parlor?

Today, in homes of refinement, the trend is toward bathroom modernization—color, concealed plumbing and concealed toilets. Why not install a



and add that final touch of refinement which will bring YOUR bathroom on a par with the rest of your home? Designs and colors to match any decorating scheme.

Ask your plumber or write for portfolio of beautiful designs

KILLZUN, INC.

2903 Tribune Tower Chicago, Ill.

REGAL TYPE No. 384—CX

White \$62.50 Colored \$67.50

Other styles \$20.00 to \$185.00

All Prices F. O. B. FACTORY



New, Beautiful White Art Stone

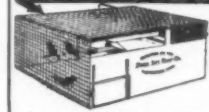


BIRD BATH

Freight paid in U.S. \$1.00 more, West \$14.95 of Rocky Mts. No. 8, Height 35", Bowl 23" Send draft, money order or check. Illustrated Folder FREE. Benches, vases, fountains, sun-dials, gazing globes, pedestals.

ORNAMENTAL CONCRETE COMPANY 19th & Ames Ave. Omaha, Neb.

GOOD-BYE SPARROWS!

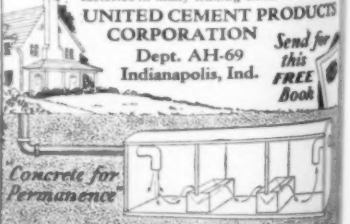


Sparrows drive away the song birds and spoil your flower gardens. An Ever-Set Trap is a positive way to get rid of them. Send for one today. The low low price direct to you is only \$4.75 pre-paid. Costs nothing to operate. Never fails to work. Lasts indefinitely. Your money back if you are not so qualifiedly satisfied. More information mailed upon request.

Also other traps for destructive animals. EVERSET TRAP CO. Dept. B Davenport, Iowa

Trouble-Proof Sewage Disposal

WITH a PERFECTION Septic Tank, your sewage disposal problem is solved FOREVER! Absolutely nothing to rust or wear out. Made of reinforced concrete, in convenient sections for easy installation. Due to simple, patented feature, digests sewage perfectly without chemicals or moving parts. Over 15,000 users... including many SUBURBAN HOMES, schools, country clubs, factories, camps. Branch factories in many leading cities. Write today!

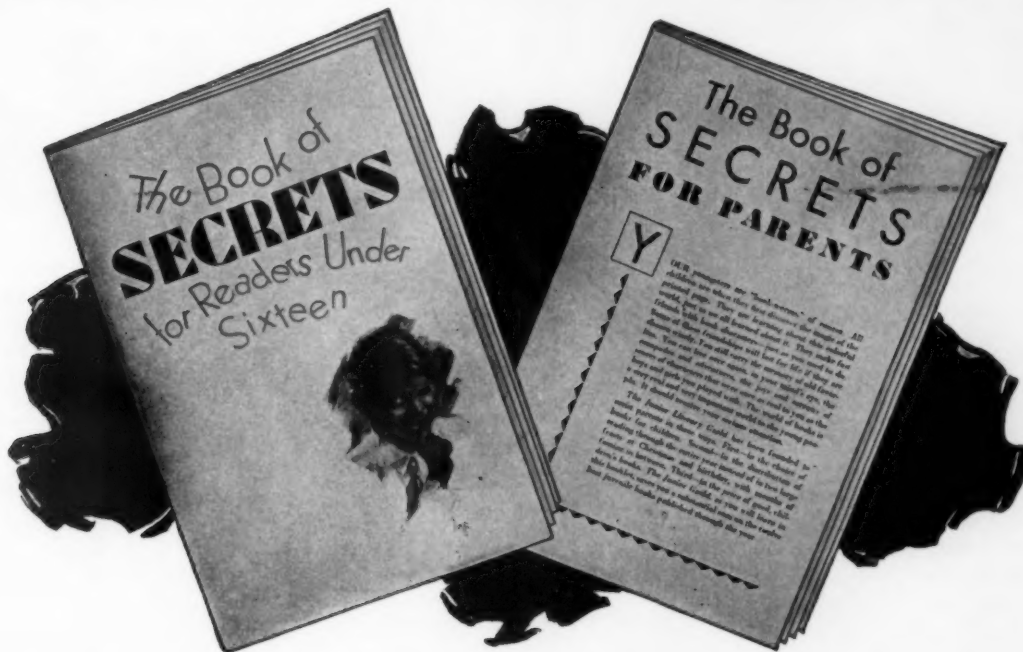


Concrete for Permanence

Send for this FREE Book

UNITED CEMENT PRODUCTS CORPORATION Dept. AH-69 Indianapolis, Ind.

.....if there is a child in Your home—Send at once for these two free booklets



YOU watch their diet carefully—you see that they have clothing suitable to the weather; you do everything in your power to make those children of yours grow up healthy and strong in body. What do you do for their minds?

Is sending your boys and girls to school enough? You were anxious to teach them to read. Now *what are they reading?* Do you have time to investigate every book or magazine that falls into those young hands? Or do you glance at most of them and say: "Oh, I guess it won't hurt them." Do you trust them to *outgrow* the thousands of notions and improper standards they will inevitably find in promiscuous reading of cheap thrillers? Or do you lean the other way and make the classics distasteful to your children by forcing them to read books beyond their years?

The happy medium is hard to find—yet *it must be found* if your children are to be well equipped mentally. It is to fill this great need

of every parent and every child that *The Junior Literary Guild* has been founded. NOW you can be sure that your children are reading books that are good for them; books that are *building* them; books that are fitting them for life. And the books will be so full of wholesome thrills that the children themselves will literally devour every line of them—probably three or four times.



The two booklets pictured above tell you how the *Literary Guild* has turned its attention to books for children to supplement its successful plan for saving money on adult books.

Now, Carl Van Doren, in association with a group of leading authorities on juvenile reading, chooses *three* different titles for young people every month from the advance lists of America's foremost publishers. One book is chosen for both boys and girls under twelve years. Another book is selected for girls between twelve and sixteen and still another for boys between twelve and sixteen.

If there is a child under sixteen in

your home—you *must* be interested. The same saving that adult readers realize on their Guild books is now available on the best juveniles that can be found. A single yearly subscription, costing not more than 60% of the total retail value of the twelve books selected, pays for everything.

A CHARTER MEMBERSHIP BADGE IS FREE

The child is himself the member. The books are addressed to the young person by name. They are delivered, one each month, postpaid, just like your magazines. A gold and enamel emblem is sent gratis with the first book. The child is immediately made to feel a *part* of a great international organization of which he may justly be proud.

Send the coupon at once for the two books of SECRETS, printed in full colors and illustrated.

THE JUNIOR LITERARY GUILD, Dept. 4 A. H. M., 55 Fifth Ave., New York, N. Y.
You may send me the two booklets: SECRETS for Parents and SECRETS for Readers Under Sixteen. I assume no obligation, of course.

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

THE JUNIOR LITERARY GUILD
55 Fifth Avenue Dept. 4 A. H. M. New York, N. Y.

Pack up



and Segalock

for a

worry-free

vacation



... then forget that suspicious looking man you saw outside the house when you left.

Don't depend on an ordinary lock. For real security and peace of mind, burglar-proof your home with a Segal lock before you start on the next trip. No crook can crack a Segal lock . . . jimmy, force or pry it open. Segalocked means burglar-proofed.

Don't delay. Ask your hardware dealer now to demonstrate Segalock 666 special features to you. Or, if building, ask your architect or builder to specify Segal locks for greater security and safety as well as their modern beauty of design. Your home, apartment, garage, store, office or factory deserves Segal protection. It costs no more to have it!

Write for a copy of our booklet, "Confessions of a Crook." An interesting story, you'll enjoy it.

SEGAL LOCK & HARDWARE CO., Inc.
Makers of Segal Burglar-proof Locks
63 Ferris Street Brooklyn, N. Y.

TRUE TO THEIR TRUST

SEGAL Burglar-Proof LOCKS



HELPFUL BOOKLETS FOR THE ASKING

Continued from page 522

Order by number only, using coupon below

Interior Decoration

DISTINCTIVE FURNITURE <i>Killinger Company</i>	181	GLASS SPECIALTIES OF MERIT <i>House Glass Co.</i>	546
FABRICS, THE KEY TO SUCCESSFUL DECORATION <i>F. Schumacher & Company</i>	44	MAKING THE WINDOWS BEAUTIFY YOUR HOME <i>The Chas. W. Breneman Co.</i>	512
THE ADVENTURE OF HOUSE FURNISHING <i>S. Karpen & Bros.</i>	66	FIRE FENDERS & SPARK GUARDS <i>Buffalo Wire Works</i>	473
EARLY AMERICAN FURNITURE <i>L. & J. G. Stickley</i>	533	WROUGHT IRON <i>E. T. Ryan Iron Works</i>	426
A NEW STYLE IN INTERIOR DECORATING— DRIWOOD PERIOD MOULDINGS <i>The Driwood Corp.</i>	483	SILHOUETTES AND THEIR FRAMES <i>Foster Bros.</i>	195
BROCHURE OF ALABAX LIGHTING FIXTURES <i>Pass & Seymour</i>	471	WATERPROOF DRAPERIES <i>Prolexwell Corp.</i>	49
WALL COVERING (SANITAS) <i>Standard Textile Products Co.</i>	78	WROUGHT IRON THINGS <i>Ye Iron Shoppe</i>	456
COLOR, THE SECRET OF BEAUTIFUL HOMES <i>Orinoka Mills</i>	75	THREE HUNDRED YEARS OF CHARM <i>Nichols & Stone</i>	231
FABRICS OF LASTING BEAUTY <i>Lesher, Whitman & Company, Inc.</i>	405	RADCOVERS CHANGE UGLINESS INTO CHARM <i>The Radiant Steel Products Co.</i>	514
YOUR HOUSE OF CHARM <i>Barton Bias Company</i>	501	A LITTLE FELLOW AND A DOG MAY FIND YOU UNREASONABLE <i>J. C. Haartz & Co.</i>	515
FINISHED TO ORDER FURNITURE <i>Wm. Leavens Company</i>	154	SCRANTON DRAPERY STYLE BOOK <i>Scranton Lace Co.</i>	271
CORRECT CARE OF HOME FURNISHINGS <i>Peck & Hills Furn. Co.</i>	207	A NEW BOOK OF PERIOD STYLES <i>Century Furniture Company</i>	527
LINOLEUM FLOORS <i>Congoleum-Nairn, Inc.</i>	79	DISTINCTIVE HAND-MADE LIGHTING FIXTURES <i>Industrial Arts Shop</i>	427
PROPER TREATMENT OF FLOORS <i>S. C. Johnson & Son</i>	54	BEAUTIFUL FLOORS <i>Ponsell Floor Machine Co.</i>	425
WHAT MAKES A HOUSE A HOME <i>Wallpaper Guild of America</i>	81	MANTELPieces AND FIREPLACE FITTINGS <i>Edwin A. Jackson & Bro.</i>	183
FEWTER <i>Wm. Wise & Sons, Inc.</i>	557		
HOW TO TELL GOOD CUTLERY <i>Jno. Russell Cutlery Co.</i>	559		

Kitchens

LADY LEISURE <i>Sterling-Range Co.</i>	491	ELECTRIC REFRIGERATION <i>Frigidaire Corp.</i>	41
GARBAGE INCINERATORS <i>Kerner-Incinerator Co.</i>	39	KELVINATOR & KELVINATED FOODS <i>Kelvinator Corp.</i>	38
THE DAWN OF A NEW DAY <i>The Walker Dishwasher Co.</i>	454	THE VERY REMARKABLE MRS. JONES <i>Beardsley & Wolcott Mfg. Co.</i>	487
HOT COIL GAS WATER HEATER <i>American Radiator Co.</i>	440	INCINERATORS <i>Teckorator Co.</i>	489
PYROFAX IN THE HOUSE AROUND THE CORNER <i>Carbide & Carbon Chem. Corp.</i>	443	WILLIAMS ICE-O-MATIC REFRIGERATION <i>Williams Oil-o-Matic Heating Co.</i>	558

Gardens & Grounds

WOVEN WOOD FENCING <i>Robert C. Reeves Co.</i>	102	A NATURAL DUST LAYER <i>The Solvay Process Co.</i>	417
FENCES FOR PROTECTION & BEAUTY <i>Page Fence & Wire Products Assn.</i>	141	GREENHOUSES OF QUALITY <i>Wm. H. Lutton Co., Inc.</i>	439
HOME FENCES <i>American Fence Construction Co.</i>	256	CONCRETE IMPROVEMENTS AROUND THE HOME <i>Portland Cement Co.</i>	497
ANCHOR FENCES <i>Anchor Post Iron Works</i>	257	HOUSES—SECTIONAL <i>E. F. Hodgson Co.</i>	25
GOOD TASTE IN GOOD FENCING <i>The Stewart Iron Works Co.</i>	371	CEDAR FENCES, ARBORS, TRELLISES & SMALL HOUSES <i>E. F. Hodgson Co.</i>	499
WICKWIRE SPENCER CHAIN LINK FENCES <i>Wickwire Spencer Steel Co.</i>	410	METTOWEE COLORED FLAGSTONE <i>Vendor Slate Co.</i>	525
FENCING WIRE & IRON FOR RESIDENCES, ESTATES AND PARKS <i>Cyclone Fence Co.</i>	418	THE SEEDING & CARE OF LAWNS <i>O. M. Scott & Sons Co.</i>	537
FENCES FOR EVERY PURPOSE <i>Brook Iron Works, Inc.</i>	349	TRUE TEMPER GARDEN TOOLS <i>American Fork & Hoe Co.</i>	544
GLASS GARDENS <i>Lord & Burnham Co.</i>	282	SPECIAL FOR GARDEN LOVERS <i>Kingsbury Mfg. Co.</i>	560
WHEN YOUR TREES NEED THE TREE SURGEON <i>The Davey Tree Expert Co.</i>	191	BLOSSOMS & BUDS <i>Acme White Lead & Color Works</i>	561
INSECT PESTS INDOORS & OUT <i>Antrol Laboratories, Inc.</i>	356		

Miscellaneous

HOME MOVIES <i>Eastman Kodak Company</i>	412	ORTHO-SONIC RADIO <i>Federal Radio Corp.</i>	456
PORTABLE ELECTRIC HOME FOUNTAINS <i>Jewel Electric Mfg. Co.</i>	368	COMPLETE HOME WORK SHOP <i>Waco Tool Works</i>	536
WHAT IS THE LAW ON CHECK RAISING <i>Arnold Check Writer Co.</i>	548	SETTING YOUR TABLE WITH HAPPINESS <i>Oneida Community Studio</i>	200

Make sure that the listing of booklets from which you choose is that of the latest issue of the magazine as 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

P. O. Address

State

JULY



JUST MIX
with water and apply—that's all there is to making cracked walls and ceilings like new with Rutland Patching Plaster. Anyone can do it in a few minutes. It makes a perfect patch. Lasts as long as the wall itself. At all paint, wallpaper and hardware stores. Be sure you get Rutland Patching Plaster, made by Rutland Fire Clay Co., Rutland, Vt.

Rutland Patching Plaster

"7 USES FOR YOUR ATTIC"



WE want to send you a booklet of this title which will show you how inexpensively and practically you can, with a Beasler Disappearing Stairway, make your attic into another story, adding at least \$1,000 value to your home.

The Beasler is a modern development—the real answer to the space problem.

THE BEASLER DISAPPEARING STAIRWAY CO. 1919 E. Market Street AKRON, OHIO

No More Waxing of Floors by Hand

30 DAY Trial Offer With Pound of Wax FREE

Use this new, easier way to keep floors and linoleum in perfect condition. No more waxing on hands and knees. The Durham Waxer spreads the wax, then polishes. Always ready for use. Does a better job in half the time, with half the wax. Test the Durham Method in your own home. Send for free booklet, "Making Floors Live Longer" and for our 30-day trial offer.

Write for details.

Donald Durham Co. 861—24th Street Des Moines, Iowa
Wanted—representatives for sales service work

Send for this helpful booklet

July, 1929

guaranteed quality

.. goes
along with
lumber from the
**4 SQUARE
DEALER**



The Sign
of CONFIDENCE
identifies
the
4-SQUARE
DEALER



THE day is past when the lumber buyer had to take it for granted that he actually got the kind and quality of lumber he ordered and paid for. 4-Square Lumber and the 4-Square Dealer have ended this uncertainty.

4-Square Lumber is put up in packages—the species and grade are plainly marked on the label and guaranteed by Weyerhaeuser. There can be no more question of getting what you ordered than when you buy a package of breakfast food or a golf ball.

4-Square Lumber is lumber of guaranteed quality—and more.

It is better lumber—the result of refined manufacturing processes. It is seasoned lumber.

It is also money-saving lumber—because it is cut to exact lengths and trimmed *precisely square* at both ends, eliminating needless hand trimming.

It is cleaner lumber because it is packaged and protected.

It will pay you to go to the 4-Square Dealer for your lumber needs—and for all other building materials as well.

His 4-Square sign stamps him as a reliable dealer—a lumber merchant who is building his business on the basis of quality and service and doing his part to put the buying and selling of lumber on a sound, business-like foundation.

WEYERHAEUSER FOREST PRODUCTS, ST. PAUL, MINNESOTA
Weyerhaeuser Sales Co., Distributors, Spokane, Washington. District Offices: Minneapolis, Kansas City, Chicago, Toledo, Pittsburgh, Philadelphia, New York

4 SQUARE LUMBER

Species and Grade are Marked and Guaranteed

TRIMMED SQUARE.. PACKAGED.. READY TO USE.. GUARANTEED

Other achievements by **WEYERHAEUSER** for Industry and the Home



BALSAM-WOOL

An achievement in heat saving. An essential part of the complete, modern heating equipment. The thick, flexible insulating blanket for walls and roofs of houses.



CUT-TO-SIZE CRATING

Bringing the economies of scientific planning, large-scale sawing and waste elimination to any manufacturer requiring containers individually designed to fit standard products.



CEDAR POLES

A service to Public Utilities, from large dependable stocks of the finest Idaho Red Cedar Poles for telephone and electric transmission.



24-HOUR SERVICE

An achievement in modern lumber handling through a chain of Distributing Plants strategically located to fill America's emergency lumber needs almost over-night.

Enter the Duchess!



On the Wings of a Scatter Rug

THERE is nothing quite as embarrassing—and dangerous for that matter—as slipping on a scatter rug.

In this day of highly polished hard wood floor and lovely small rugs, it is a common and annoying occurrence.

Duro Gloss Rug Anchor can be cut to fit under any sized rug. It will positively hold a rug in place and prevent slipping or disarranging its position on the floor.



Duro Gloss Rug Anchor provides, in addition, a crepe rubber surfaced cushion for your rugs which adds years of wear—and makes them much softer underfoot. The coupon will bring you a piece sufficient to hold the average small rug in place. Send this in if your own store hasn't Duro Gloss in stock.

There is only one Duro Gloss Rug Anchor. Be sure of the name when you buy.



RUG ANCHOR

J. C. HAARTZ CO.
New Haven, Connecticut

Please send me a piece of Duro Gloss, size 18" x 27" to use under one of my small rugs. Attached is a dollar bill.

My retailer is.....
A.H. 1

Through France without a puncture

Continued from page 488

our Guide in plain view to protect us from the inflated prices which are so likely to be charged the proverbial "American millionaire." The Guide contains maps of the larger towns and cities and indicates the best ways through them. It is revised each year so that it is always up-to-date in its information.

Very important are the Michelin Cartes (regional maps) with roads marked clearly, so that if one follows them faithfully it is almost impossible to get lost. Attention is drawn to especially beautiful views and picturesque roads. The condition of all roads is specifically indicated. We found the *Routes Nationales* very good on the whole—they are paved roads much like our "black" roads and when we could, we always followed them. The *Grands Chemins* though generally good, are often unpaved and therefore dusty or muddy.

Our equipment differed little from that with which we would have provided ourselves if touring at home. But we had taken the precaution of supplying ourselves with a good jack and a good pump, because if our old-fashioned high pressure tires should need inflation on the road, we must be ready for the emergency and be able to demonstrate our independence. It is not possible to get air, as you can gasoline, in any little French village along the beaten track.

We had with us of course, a spare tire and an extra shoe and several inner tubes, the spare locked carefully into place before we started on our journey. That spare was destined to view the road comfortably from its original vantage place at the back of the car, for not until we reached home was it unlocked again. We had not a single puncture or blowout in all those 2500 miles of travel! Luck, you will say. Yes, unprecedented luck, but it also speaks well for the roads of France.

And now about luggage, you'll want to know about that, of course. We each had to have a suitcase, and these were distributed, half on the luggage carrier fastened to one running board and the rest stowed away inside. Those outside were swathed in water-proof duck. If you are fortunate enough to have them, water proof covers will protect them not only from rain from but dust and tar as well. This precaution is essential for the French love to tar their roads, and let me give you the hint that water-proof material is far cheaper here than it is abroad. Besides the suit cases and the inevitable wraps for varying weather, we never traveled without several thermos bottles filled with spring water, for the ordinary water that you can get along the way should be avoided.

From Havre our real objective was of course, Paris, but there were many joys to be tasted on the way, innumerable small towns and villages that still retain all the flavor of early primitive days. In northern France, especially, where the country is flat, the roads are designed with the true French mastery of perspective. They stretch ahead for miles and miles, often lined with shade trees, the more distant views presenting rows of

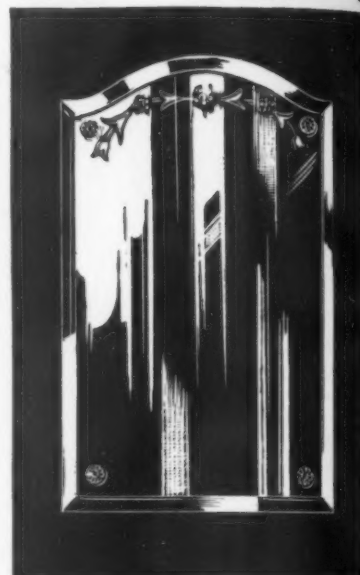
fantastically topped Lombardy poplars standing straight and tall like sentinels guarding sacred passes. And indeed they do the duty of guards, protecting the wide open stretches from direct onslaughts of the wind. Generally these roads are almost deserted. No heavy traffic impedes the going. Occasionally one meets other cars but the French drive so swiftly that their passing is scarcely heeded. Every turn of the road teemed with interest, and our unaccustomed eyes were enchanted by the beauty of old thatched-roofed houses, ancient walls, and courtyards where yokes of oxen stood patiently waiting to take part in the day's work.

The car was our greatest joy and economy during our four weeks' stay in Paris, for though we used it sparingly in the city itself, there were dozens of places near by which beckoned alluringly. The expense of traveling by train, char-à-bancs, or hiring a car by the day would have sadly curtailed the number of these little journeys. As it was, we were able to run down to Chartres for the day; we picnicked at Fontainebleau, and explored the Barbizon country; we drove to St. Cloud and on to Versailles, that most royal of palaces; we stood within the room where the great Louis XIV was born at St. Germain; we traveled out to Varennes and to Malmaison and rolled along the radiant paths of the Bois.

We were gay birds of passage, soon winging our way onwards toward the south to the French Alps, stopping three nights en route—at Auxerres, Dijon, and Bourg from where we soon entered the Alps country. The roads were good all along. Some weeks later we returned to Paris, starting from Evian-les-Bains and going by way of Lake Geneva over the Jura Mountains.

Then came the day when we again drove back to Havre. We were interested in comparing traveling expenses with friends who went by train, and this is just an example of the difference between our costs and theirs. The short run from Paris to Havre by train amounted to \$6.50 per person. It cost us fifteen cents, each, traveling in our own motor car. This time we drove straight to Havre, stopping only at Rouen for lunch. It was the day before we sailed, and, as the insurance for the car expired that afternoon, we did not wish to take any chances. Ordinarily, we could have driven the car straight to the dock a few hours before sailing where again batteries would be disconnected, gas drained off, and the car hoisted on board.

When we reached New York, the car had been taken off the boat and was ready on the dock before we had finished with the customs routine. There was no red tape or complications of any kind to annoy us. The customs inspection of the car was but a mere formality. We stowed away as much of our luggage as we could and drove off, again dispensing with the services and price of a taxi. Can you think of a more satisfying, more delightful way of investing \$500?



BEAUTY AND CHARM
Bin the bathroom—the modern touch of luxury—Hess Mirrored Cabinets bring to you the last word in bathroom equipment. The cabinet of welded steel, snow white enameled, is concealed behind a large mirror of fine beveled plate glass. Your bathroom, new or old, deserves the Hess Cabinet.

Sold by leading plumbers and supply dealers everywhere. Mail the coupon below for catalog.

HESS WARMING & VENTILATING COMPANY
1224 S. Western Ave., Chicago

Every convenience for the modern toilet. Cabinets are concealed behind the mirror. Shelves are adjustable to any height.



HESS WARMING & VENTILATING CO., 1224 S. Western Ave., Chicago, Ill. I am interested in Hess Mirrored Cabinets. Send me complete catalog.

Name.....

Address.....

Have you ever used



this PORTABLE FENCING?

You can use it for almost any purpose. It will prove a most versatile servant about the yard, keeping your small animals where they belong.

Attractive, durable, easily set up. Just push the legs into the ground, wire the section ends together and your yard is complete! Move it about at will—store away during the winter.

For dogs, rabbits, chickens and all small animals. Let us send you a trial assortment of fencing sections. Our assortment No. 1—A costs only \$26.50 and will make a roomy yard 14 x 7 ft. x 5 ft. high, gate included. It can be added to later. Send check. N. Y. draft or money order. Shipment F. O. B. Buffalo, N. Y.

Write for Booklet No. 80-G

BUFFALO WIRE WORKS CO., Inc.
(Formerly Scheeler's Sons. Est. 1869)
467 Terrace Buffalo, N. Y.

Latest California Homes



This 48-page portfolio, entitled "Spanish Homes of California," reveals the romance and charm of California homes. Sixty photographs show the work of leading architects in Hollywood, Beverly Hills, Pasadena and Los Angeles.

Floor plans are presented for twenty-eight designs. Complete stock plans and specifications furnished. We design houses of any type. Ask your news dealer for the book or mail check or money order to-day for \$1 to

THE ROY HILTON COMPANY
407 Kress Bldg. Long Beach, Calif.

BUILDING PLANS For Modern Homes



The most comprehensive book of home plans ever published by any architect, size 8x11 inches. 224 pages, 214 different designs for colonial and two-family dwellings, cony bungalows, cottages and other medium cost homes; contains floor plans and all dimensions, photos and approximate cost to build. You cannot afford to build until you have seen this book. It is a real help to the home builder. Postpaid. Only \$3.00. A new book, 1928 edition, 8 x 11 inches, fifty-eight new nifty designs of medium-cost English and American colonial cottages and other medium-cost homes, postpaid only \$1.00. Both books postpaid, \$3.50.

FREDERICK H. GOWING, Architect
101 Tremont Street Boston, Mass.

Give this to your newsdealer or mail direct to

Doubleday, Doran & Co., Inc.
Publishers, *The American Home*
Garden City, N. Y.

Gentlemen:

Please enter my subscription to *The American Home*. I enclose \$1.00 for 1 year, \$2.00 for 3 years.

Name _____

Street _____

City _____

AH-7

Why Not Subscribe?

If you bought this copy of *THE AMERICAN HOME* through your newsdealer or direct at a newsstand why not subscribe and take advantage of the lower rate?

By subscription *THE AMERICAN HOME* is only \$1.00 a year! Or, better yet, 3 years for \$2.00, bringing the magazine to your home for less than 6c. a month!

If you've liked this issue you'll find succeeding ones even more helpful, for *THE AMERICAN HOME* has an ambitious editorial program for the coming year that will help you with EVERY phase of home-making. Why not subscribe, NOW?

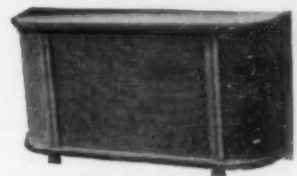
\$ 1

BARE RADIATORS ALWAYS SOIL WALLS AND DRAPERIES



AND THE IDEAL SOLUTION IS TO COVER THE RADIATORS WITH BEAUTIFUL TUTTLE & BAILEY RADIATOR CABINETS. ♡ ♡ ♡

AND WHO IS MORE LOGICAL FOR SUCH MATTERS THAN TUTTLE & BAILEY WITH OVER 83 YEARS REAL EXPERIENCE IN THE HEATING AND VENTILATING FIELD? ♡ ♡ ♡ ♡ ♡ ♡



JUST VISUALIZE THIS "RALEIGH" MODEL SET OVER THE DISCORDANT BARE RADIATOR. WHAT A DIFFERENCE IN APPEARANCE! ♡ ♡ ♡ ♡ ♡

AND THAT'S JUST ONE OF THE VERY LARGE AND INCLUSIVE SELECTION OF STYLES WHICH TUTTLE & BAILEY OFFER--IN ALL SIZES--EVERY COLOR FINISH. ♡ ♡ ♡ ♡ ♡ ♡

ALL SHOWN IN THE BOOKLET THIS COUPON BRINGS.

TUTTLE & BAILEY MFG. CO.
441 LEXINGTON AVE., NEW YORK CITY
TELEPHONE MURRAY HILL 8900

PLEASE SEND THE BOOKLET SHOWING YOUR RADIATOR CABINETS.

NAME _____

ADDRESS _____

AM. HOME-7-29

The **American Home**

SHOP WINDOWS OF MAYFAIR
BY SHIRLEY PAINE



Any of the articles shown in our magazines may be bought through our Shopping Service at no charge to readers. Send order and check payable to Shirley Paine, care American Home, 244 Madison Avenue, New York.

SSMALL Colonial mirrors fit in gracefully in many places: over a chest of drawers, in a hall, in bedrooms and sitting rooms. This authentic reproduction comes either in solid maple or mahogany; frame 8½ x 16"; glass, 6½ x 9¾". Frame in the proper dull rubbed finish over mellow wood. The price, to say the least, is very unusual at \$6.50; and express charges are collect.

OCCASIONAL lamps are highly useful. The base of this one is a quaint ceramic jug from Sweden, in a beautiful gunmetal finish. Parchment shade is hand-painted and lightly antiqued to give a harmonious effect. Overall height is 13". The price is \$8.25 complete with shade, prepaid east of the Mississippi. Please make checks payable to Shirley Paine.



Strikingly NEW

RICH, RARE HANDWOVEN SILK
from the looms of Greece
A SQUARE in heavy natural raw silk—hand embroidered in formal old Greek pattern combining deep blue, green and soft orange. 18" x 18" \$6.50

NEAR EAST INDUSTRIES
46 E. 46th St. New York City
Have you our catalogue of potteries and linens?

A MUFFIN stand may merely be a muffin stand or a most fascinating piece of furniture having a dozen uses—for flowers, small pots of ivy, smoking things, magazines, and sewing equipment. This model is a faithful copy in solid maple of a famous museum piece from the best days of early American craftsmanship when an artisan put heart into his work. The handle makes for easy carrying. Ht. 33", width 24"; dull rubbed finish, medium tone. Especially priced at \$30. No crating charge. Express collect.

CUSTOM-BUILT furniture
at Direct from Maker

PRICES
You can buy this beautiful furniture, custom-built and custom-covered, at direct from maker prices. Pictured are two beautiful pieces; in our catalog there are many more. This furniture is worthy of the finest home.

Lawson Chair
down filled cushions
\$65 in the muslin

Lawson Sofa
down filled cushions
\$128 in the muslin

Send for catalog J-7

MULLER BROS.
1501 Third Avenue NEW YORK
Furniture and Draperies made to order

TODHUNTER
119 East 57th Street. New York
Workers in Metal

The Standish Lamp
in antique brass, hand made, 12½" high. Wired, with shade \$17.00.

PUDDLE POOL
Bathing on Your Own Lawn

IS ANYTHING more fun for the children than bathing and splashing in the water—safe, clean and always ready.
This play-pool is 5 x 7 feet, and can be set up in five minutes—or taken down and folded up in the same time. You can set up the pool anywhere—and fill with water by hose connection. Complete in every respect, includes safety overflow, also outlet to empty the pool. The price below includes everything—even the sprays at the side, shown in picture. The pool is absolutely watertight and made to last for years.

Price complete, incl. all accessories - \$40.00
Playthings for children of every age—for in-doors and out-doors—for the beach, the lawn and the home.
MAIL ORDERS FILLED PROMPTLY

Mayfair Playthings Stores
741 Fifth Avenue NEW YORK 9 East 57th Street

Fire Tools
Andirons
Screens
Mantels
Grates

Edwin Jackson
Incorporated
50 Beekman Street N. Y.
65th St., cor. Lexington Ave., N. Y.

SHOP WINDOWS OF MAYFAIR

THE VERY LATEST Royal Baronial Bordered Stationery

You can now have truly distinctive personal stationery at a most reasonable price



**MONOGRAM
OR ADDRESS
EMBOSSED
LIKE DIE
ENGRAVING
(Not printed)
Antique Ripple Finish
Paper**

**50 folded sheets
50 envelopes
\$2.75**

**100 sheets and
100 env \$4.50**

Can be ordered in **Baronet Size 8 x 5** or **Petite Size 5 x 4** at above price.

Pearl gray paper with gray and white border. White paper with blue and white border. Embossing colors—black, blue or green.

ORDER BY MAIL. Enclose check or money order. West of Miss., add 10%. Shipped **POSTPAID.** Satisfaction guaranteed or money refunded. *Samples mailed free on request.*

FIFTH AVENUE STATIONERS, Inc.
500 Fifth Avenue, Cor. 42nd St.
Dept. K, New York



I'VE found an old-time maker of hand-hooked rugs and coverlets down in Virginia at most amazing prices. These chair seat mats are washable, have delightful colors, last indefinitely. (Right) Crown chair seat, 16 x 18", \$2.90; round mat 15" diameter, \$2.90. Both postpaid east Miss; add 20¢ each west of Miss. Catalogue of coverlets, etc.



FROM a mountain studio in North Carolina comes this handy window sill bulb basket made of split white oak strips. It has a green lacquered metal container for plants. Size 3½" wide x 17" long. Choice two finishes—brown or gray stain. These soft natural colors set off flowers perfectly. Last indefinitely. Without bulbs \$3, postpaid U.S.A.



SUMMER SILVER STORAGE & NO-TARNISH!

VACATION season is at hand. The family silverware must go into storage. Prevent tarnish or oxidation during the summer months by wrapping articles in

*** STAYBRITE *
NO-TARNISH TISSUE**

The remarkable discovery will keep polished metal surfaces bright under the most adverse atmospheric conditions. Fabrics containing metal threads may also be kept bright by wrapping in

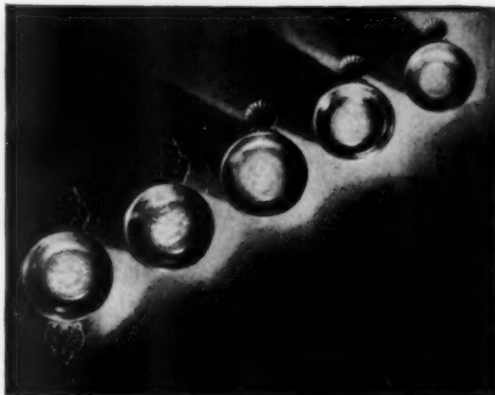
**STAYBRITE NO-TARNISH
TISSUE**

*Sample Tube containing 48 sheets, size 20 x 30 in. mailed for \$1.00.

Address Dept. 7

O. H. DEXTER & SONS, INC.
Highest Grade Thin Papers
Windsor Locks, Conn.

I'VE found the sweetest pewter porringers! Just the thing for a youngster's cereal, candies, or ash receivers. Smart for bridge prizes; all hand-hammered, embossed. 3", \$1; 3½", \$1.50; 3¾", \$2; 4", \$2.50; 4" with 2 handles \$2.75. Add 15¢ each postage east of Rockies, 25¢ each west.



ACME

Garbage and Trash INCINERATOR

An efficient portable incinerator that can be used in the back yard of your home or summer camp for burning garbage, rubbish etc. Special corrugated body assures efficient burning. Made of heat and rust resisting iron, with heavy cast iron grate and legs. Absolutely safe—a screen prevents sparks flying. Height 52 in. Price \$20.00.



May be purchased direct from us or through our dealers.

THE H. W. COVERT COMPANY
129 East 37th Street
NEW YORK 4175

Ye Iron Shoppe

250 Boylston St.
Boston, Mass.



Sconce No. 1



Candlestick



Sconce No. 2

COMBINATION OFFER

Sconce No. 1 & 2 Candlesticks \$5
Sconce No. 2 & 2 Candlesticks \$4

Interior Decorating LEARN AT HOME

Beautify Your Home, Or Qualify As A Highly Paid Decorator

IT'S easy now to learn Interior Decorating at home. Prominent New York Decorators teach you, giving your work personal attention throughout this Course.

If you are a home-lover, and are anxious to make your home more beautiful, more artistic; if you want to know more about this popular cultural subject; if you want to be able to purchase intelligently and save money on your furnishings; if you want a highly specialized training that will equip you to earn money—in spare time or full time, either in a fascinating, high-salaried position or business of your own—then write for our new free booklet on Interior Decorating.

Send For Free Book

This new 32-page illustrated booklet explains the tremendous interest in the "Beautiful Home," the splendid opportunities in Interior Decorating as well as this new at-home method of training. Send for it *to-day!*

NATIONAL SCHOOL OF INTERIOR DECORATION
Dept. 437 119 W. 57th Street New York City



THIS DIRECTOIRE TABLE

shows some of the best characteristics of its period—grace and dignity reflecting the classic spirit—and simplicity which is ideally adapted to the homes of today. (40" x 19" x 30" high.)

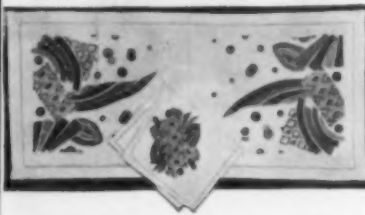
Richter Reproductions of Early American Furniture are designs of invariable beauty, faithfully following the masterpieces of the Colonial era. In suites or single pieces they possess the charm of the originals, with the appeal of fine contemporary cabinetwork. Richter Furniture may be purchased through your Architect, Dealer or Decorator. Send for Booklet.



RICHTER FURNITURE COMPANY
514 EAST 72ND ST. • NEW YORK
In Chicago—820 Tower Court

SHOP WINDOWS OF MAYFAIR

GAY DOYLIE SETS



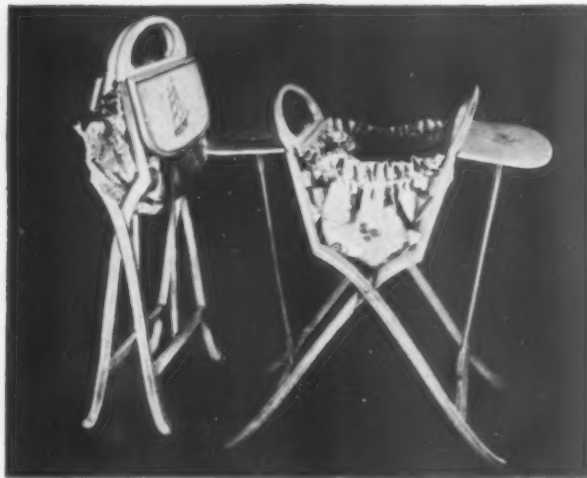
Hand-blocked and hemstitched on fine crash linen—strikingly modern design in a lovely fast color combination that can be boiled; in red, yellow, green and blue.

Scarf 18 x 36 with 6 doylies 11 x 17
\$4.95

Matching napkins 13½ x 13½ or additional doylies 50c each

**HAAS
 LINEN SHOP**

84 North Avenue, New Rochelle, N. Y.



A FASCINATING sewing bag-stand for beach, porch, or terrace. Stands when folded. Chintz bag, yellow, green, or lavender predominating. Stand ivory, green or maple; ship or flower dec. \$45. Striped legs 15 x 25" open; ht. 30". Maple or mahogany, \$35.



TWO of the loveliest wall sconces I have ever seen! (Left) "Palmetto", 11" high, 5" wide, 2½" deep, electrified. Tin \$9.50, brass or copper, \$13.; pewter \$19. Painting tin \$1.50 extra. (Below) "Sea Shell", 9" high, 7½" wide, 3½" deep, electrified. Tin \$15, brass or copper, \$18; pewter \$25.50. Painting tin \$2.25 extra. All made by a Boston studio famous for its lovely Colonial light fixture productions. An instructive catalogue of other models.

TWO fascinating bits from the Near East: Runner in rare old Turkish Rose design on white Irish Linen; sunfast; 28 x 14", \$3. Sandwich plate ancient Persian design, glorious colors: 10" \$3.75; 12" \$6.



SILHOUETTES



SHELLEY

An interesting profile portrait of the famous poet—printed in black on cream paper. Attractively framed in metal oval, gilt with black center. Outside measure 4 7-8 x 5 7-8", price \$4.50. Facing companion of Byron available.

Send for Silhouette Circular S-3 illustrating over fifty heads with suitable frames.

FOSTER BROTHERS

Arlington, Mass., and 4 Park Square, Boston

ICE BUCKET and TRAY

Sold through the better gift shops or mailed direct to you upon receipt of **\$10.00** money order for
 (Postage Prepaid)

Serve ice for the table, or place your summer drinks in the bucket for cooling. A great convenience wherever hospitality is observed.

The tray when not used with the bucket makes a beautiful service tray for general use.

This new Art Craft Ware combination is made from the super-metal Hyb-Lum—a brilliant, silver-like alloy, nearly ⅛ inch thick. It is light as aluminum, much stronger than aluminum and practically non-tarnishing.

Handles of Bakelite; may be had in red, green or black.

ART CRAFT WARE STUDIOS

300 S. Liberty St.

Jackson, Michigan



GARDEN FURNITURE

Typically Tuscan Urns as illustrated; and other distinctive garden ornaments of Pompeian Stone, Lead, Terra Cotta and Marble will be found on exhibition in our Studios.

An illustrated catalogue sent for 10c

THE ERKINS STUDIOS
 250 Lexington Ave., at 35th St.
 New York City



HOME, SWEET HOME
 by Florence B. Brown

An authentic and charming print of the subject of Thomas Paine's celebrated song. \$1.00

Prints of equal charm are \$1.00 each
 OLD NEW ENGLAND HARBOR
 U. S. FRIGATE CONSTITUTION
 OLD FISH WHARVES

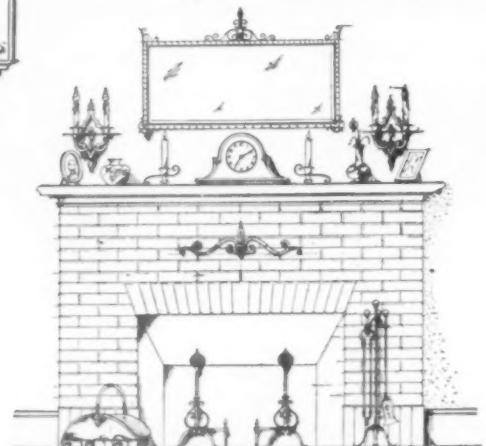
All are printed by hand on Japanese paper, signed by the artist, mounted, ready for framing. Uniform size, 5½" x 3½"

Catalogue of prints, tallies, place cards on request

THE ANCHORAGE
 PROVINCETOWN MASSACHUSETTS

YE IRON SHOPPE

250 Boylston Street, Boston, Mass.



FIRE PLACE EQUIPPED WITH WROT IRON
 All articles shown are wrot iron except clock, the vases are bronze

SHOP WINDOWS OF MAYFAIR



Serve Lemonade!

From This Blue Pottery Pitcher and Mugs

The bridge hostess will want this delightfully different drinking set, from which to serve iced drinks. A two-quart pitcher and 4 mugs of hand-turned pottery, glazed in a lovely shade of blue. Set complete, \$4.00. (Express extra.) Additional mugs, 60c each.

"Through Your Neighborhood Shop—or Direct"
The TREASURE CHEST
Asheville North Carolina



HANGING ivy pockets are justly coming more and more into use to lend a finishing touch to a sun-porch, or inner room needing the charm of growing things. There are many cheaply made units and one must choose with care. This is hand-wrought iron throughout; ht. 19", 9" wide. Bracket \$8. pot and saucer \$1. Del. greater Boston.



PILGRIM CHEST—\$23.50

Ready to paint, 14" x 26", 30" high. Old maple, hand finished, \$6.00 extra.

Freight prepaid during July

Unpainted—FINISHED TO ORDER

HEARTHSTONE

FURNITURE COMPANY - - INC.
224 East 57th Street, New York

INTERIOR DECORATION

SIX WEEKS PRACTICAL TRAINING COURSE

Authoritative training in selecting and assembling period and modern furniture color schemes, draperies, lamp shades, wall treatments, etc. Faculty of leading New York decorators. Personal assistance throughout. Cultural or Professional Courses.

RESIDENT DAY CLASSES
start July 8th... Send for Catalog 12R

HOME STUDY COURSE
Starts at once... Send for Catalog 12L

NEW YORK SCHOOL OF INTERIOR DECORATION
575 Madison Ave. Est. 1916 New York

—and now Our Studio Presents this Month's Special!



WE didn't know that a Cat could look so perfectly stunning! This lamp is made of white metal and comes in these fascinating colors: ivory, rose, blue, green, yellow and orchid. Hand-painted parchment paper shade to match. Most appropriate on that little empty table in your living room... or a pair of them on your dresser... not to talk about the nursery!—Height 13".

Direct-to-you --- \$4.75
Send Check or M. O. Satisfaction Guaranteed or Money Refunded. Prepaid all over U. S. A.

HENNING ART LAMPS
122 Fifth Avenue New York
Have you our catalogue?



THIS quaint, useful and wholly delightful bit of furniture is called a Curate Stand. Folds up when not in use, and opens into the most charming cross form with five trays for holding tea, sandwiches, or for smoking things. Copied from an old European model. Ht. 31". Solid mahogany. \$28 delivered 100 miles of New York.



OUT OF THE ORDINARY

BEAUTIFUL & INEXPENSIVE

LIGHTING FIXTURES



IT IS no longer necessary when planning the interior appointments of your home to use the commonplace uninspired type of lighting fixtures. Make your selection from among the delightful assemblage of beautiful handwrought lighting fixtures—sconces—lanterns—ceiling fixtures the Industrial Arts line offers you. Available at moderate prices in copper, brass, tin or pewter.

Illustrated booklet showing the above and many other exquisite patterns mailed on request.

INDUSTRIAL ARTS INC.
35-N NORTH BENNET ST., BOSTON, MASS.
DISPLAY ROOMS 65 Beacon at Charles

Enhance the beauty of your home interior or exterior with METAL SILHOUETTES

In and around your home there are a number of places where several of these Metal Silhouette Ornaments would lend an air of distinctiveness... attached to chimney or gable; over doorways and fireplaces. Each design is reversible. Made from aluminum, a non-rusting metal, covered with three coats of high quality black paint. Ready to be attached.



The "MAYFLOWER"

20" High, 20" wide \$25.00

Send for our illustrated circular which contains many designs together with prices; also testimonial letters from satisfied patrons. Write today.

HOUSEHOLD PATENT CO.
"The House of Quality"
100 Franklin Ave., Norristown, Penna.



MOTHER OWL
16" high
\$4.25
2 for \$8.00



BIRD
5" high
\$2.75
2 for \$5.00



SQUIRREL
14" high
\$4.25
2 for \$8.00

ORNAMENTS

that will add uniqueness to your

ROOF OR WALL

You certainly appreciate uniqueness in ornaments for your home! Several of these unusual designs, attached singly or grouped, to chimney, roof, wall, trellis or fence will enliven the appearance of any ordinarily plain surface. Each design is equipped with base plate; reversible; ready to erect. Prices range from \$2.75 each, 2 for \$5.00., to \$6.50 each, 2 for \$12.00. Orders promptly filled.

Your own design made to order

SHOP WINDOWS OF MAYFAIR

FASCINATING COLORED
"WITCH BALLS" FOR IVY



Ivy grows like magic in stunning blown glass copies of old fishermen's net floats. About 5" d. Choice nice wood base or brass hanging chains. Rose, green or crystal. \$1.75 each, p'd. east Miss.

three new yorkers

8 west 47th st.
new-york
BRYANT 0285

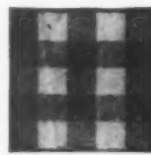


A UNIQUE French pearl inlaid table lighter; gold plated trim. Makes stunning appearance. 3 1/4" ht. x 1 1/2" diam. Holds big fluid supply. Formerly \$18 at our best jewelers; specially offered to our readers by a fine shop for \$5.25 postpaid. Also in smart lizard leather cover.



CLOSET styling is in order for the whole family nowadays. This drawer unit has a dozen uses, drawers can be cut away at top face for men's shirts and gear, or made tight with pulls. This is one design of several. In white wood, \$46; stained any finish also \$46. 18 x 22 x 54" height.

Mrs. Fales' July
DECORATING HINT



CHECKS
are especially
SMART
for summer

The New Wonder-Fabric
STAYSO

is waterproof, sunproof, ink-proof, greaseproof. Just wipe with damp cloth.

Makes Charming
curtains, shelvings, aprons, pillows, breakfast and bridge sets.

6 colors, 31 in. wide, \$1.00 per yd.

Winifred Fales
STUDIO of DECORATIVE CRAFTS
East Orange N.J.



This
Valuable
Book
10 cents

Things you ought to know
about Casement Windows

It tells you how to have the greatest convenience and comfort with your casement windows.

Profusely illustrated. Also gives a complete description of Win-Dor Casement Operators, which enable you to swing your casements without opening your screens—the most important feature for your casements to possess. Write for this book to-day, enclosing 10c in stamps.

The Casement Hardware Co.
402-E North Wood Street, Chicago



A CHARMING revival; footstools to add a nice spot of color to any Colonial scheme. Frames solid walnut; 8x10x7" ht., and look larger than these sizes indicate. Covered in miniature hooked rugs. Left: "Rose

Wreath," soft colors, gray ground. Cent: "Bouquet," nosegay pink flowers in needlepoint effect on black. Right: "Oakland," adapted from antique rug, old red and henna on soft tan. \$8 exp. prepaid. east of Miss.; elsewhere collect.

YOUR
HOME
BEAUTIFUL

by Lucy D. Taylor

A manual of practical interior decoration for those who want individuality in their homes at modest cost. Numerous illustrations work out the author's ideas in graphic form.

At all bookstores \$3.50
DOUBLEDAY, DORAN

Bring Birds to
Your Garden!

Here is a beautiful Bird Bath that is also a fountain when connected to your garden hose.

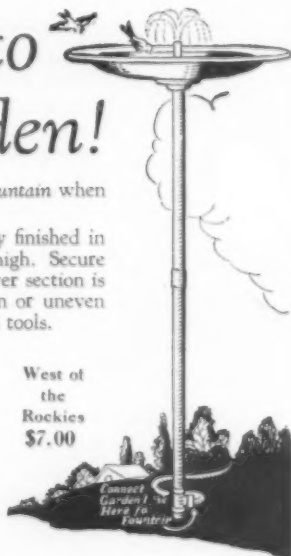
Constructed of wrought iron and attractively finished in green and yellow enamel. Stands 40 inches high. Secure from cats. Basin 16 inches in diameter. Lower section is pointed and may be placed anywhere in even or uneven grounds. Assembled in two minutes without tools.

\$ 6.00

Sent postpaid in compact carton on receipt of price, or C. O. D.

Bird-founte

THE BIRD-FOUNTE COMPANY, 139 Franklin St., New York



West of
the
Rockies
\$7.00

THE GEOGRAPHY OF
AMERICAN ANTIQUES
by Lurette Van Arsdale Guild

Here is the history of all the Early American household arts arranged according to the states in which the objects were produced. Each of the thirteen original states has a separate chapter on its contribution to household art. With over 700 drawings by the author.

AT ALL BOOKSTORES

\$4.00

DOUBLEDAY, DORAN

Garden City, N. Y.



No. 33 BIRD BATH 22 IN. HIGH 26 IN. WIDE PRICE \$22

No. 41 - SUN DIAL HEIGHT 30 IN. PRICE COMPLETE WITH BRONZE DIAL \$23

No. 60 - GAZING BALL 10 IN. DIAM. PEDESTAL 32 IN. HIGH COMPLETE \$28

Primo Art Garden Furniture brings to you the charm of old-world gardens. It is really cast in stone; quickly weathers to the color of natural stone; endures for generations because not affected by heat, cold, frost or dampness.

Write for FREE ILLUSTRATED CATALOG A

PRIMO ART
Cast Stone Garden Furniture
PROVIDENCE • R. I. • U. S. A.



\$1.69 complete with rack, post paid anywhere in the U. S. A.

The HANDI-SET
in enameled colors

This beautiful set of stainless steel kitchen knives, bread knife, paring knife and carving knife, comes to you complete with rack to hang above your sink or kitchen work table. Handles and rack are lacquer colored in enduring shades of blue, yellow, red, green, and white. The blades are manufactured of the finest steel, tempered and forged to insure keen and lasting cutting edges, by one of the oldest and largest cutlery manufacturers in the United States.

The HANDI-SET is one of the finest and most useful kitchen utilities ever conceived. Conveniently hung at your elbow are just the kitchen tools that are constantly in use. Ideal for gifts or bridge prizes as well as for the "Kitchen Shower" for the bride-to-be.

Mailed complete, with screws for attaching to wall, post paid anywhere in the U. S. A. for \$1.69, currency, stamps, money order or check. Mention color desired. The HANDI-SET is a kitchen convenience you will use many times every day.

THE UTICA CUTLERY COMPANY
(Dept. A. H.) Utica, N. Y.



Archway and picket fence. Made of cedar, painted white. Arch and gate \$38. Fence \$1.50 per lineal foot.



Delightful play house for children. Red cedar, painted outside, stained inside. Absolutely weather-proof. Shipped ready to erect.



There are Hodgson bird houses for every kind of bird. This is for bluebirds. Price \$6.

Rose Arbors
Garden Houses
Trellises
Play Houses
Garden Seats
Pergolas
Bird Houses

WHEN you want attractive outdoor equipment, think of Hodgson. Send for free booklet X. It pictures and prices everything listed here. All made of cedar, painted, shipped ready to erect.

Dog Kennels
Picket Fences
Lattice Fences
Pet Stock Houses
Tool Houses
Poultry-Houses
Play Boats

E. F. HODGSON CO.

1108 Commonwealth Ave., Boston, Mass.

6 East 39th St., New York, N. Y.

THIS Georgian wall bracket is typical of the great variety of designs in all periods found on display in our show rooms. We specialize in residential lighting equipment and guarantee both quality and workmanship. The service of our experienced staff is at your disposal and our "Direct to You Plan" means a substantial saving. When writing for illustrations please mention Dept. No. 7 and specify type of house.

Est. **DALE** 1884
Lighting Fixture Company
ONE DOOR WEST OF 6TH AVENUE
103 West 13TH St., NEW YORK CITY
© 1929, DLF Co.

JUST OFF the PRESS!
"CLOCKS in the MODERN HOME"



ROSS CRANE, Author of "Interior Decoration," writes, "Your charming book might well be called 'A GUIDE TO CLOCKS.' It is informative, interesting and should create a new conception concerning the use and need of clocks in furnishing a home."

This sixteen page brochure with illustrations in color, suggests the selection and placement of clocks in each room in the home. Send 20¢ in stamps for your copy.

CLOCK MANUFACTURERS ASSOCIATION OF AMERICA
Drexel Building Philadelphia

Prevents Slipping in Bath Tub or Shower



Footsure Safety Bath Tub Mat gives a feeling of perfect security when stepping in or out of the bath tub or shower, or on the polished tile floor. Many use two mats, one in the tub, the other on the tile floor.

Footsure Safety Bath Tub Mat is made of high-grade white, odorless rubber, with patented vacuum cups moulded in the bottom, making it cling tenaciously to a smooth, polished surface. Placed in the bottom of the tub or on the floor of the shower, it cannot slide, thus giving positive, sure footing. Children can play 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. Circular free.

FOOTSURE COMPANY

Department B-12
407 East Pico St. Los Angeles, Calif.

HOUSEWARES

Representative items from our large and varied assortment for summer and all year 'round

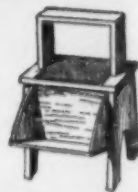


HERE'S something very handy for the morning glass of orange juice or the hastily prepared refreshment tray for unexpected guests—the California Juicer. Fastens easily on edge of table. Made entirely of aluminum.

Easily cleaned. Complete with three reamers for oranges, lemons, etc. California Juicer, each \$12.50

"Two-Step" Stool

A most convenient article for every home. Saves standing on chairs and avoids danger of falling. Adds those extra inches needed to reach top shelves, yet is small enough to be tucked easily away. Shows hinged compartment open for cloths and polishes. The lower step is 13" long by 9 1/4" wide by 13 1/2" high and the height overall, including the top step is 21 inches. Unfinished, ready to paint. \$7.75. Antique maple finish, or lacquered any color \$8.75



Sparklet Syphon

For making delicious hot weather drinks! Just add ordinary drinking water or your favorite beverage—press the trigger—and the syphon gives an added touch of effervescence that will delight you.

Syphon, with 12 bulbs \$7.50
De luxe model, silver plated \$11.50
Extra bulbs, dozen . . . \$1.50

Luggage Stand

To make the visit of your guest even more pleasant. Just the right height for packing a bag, suitcase, or trunk. Size (when closed) 7 inches x 23 inches x 22 inches. Mahogany, walnut, or ivory, ea. 7.00. Lacquered finish (any color) ea. 8.50



Kneeling Mat



Save your knees and your clothes with this English-type kneeling mat of woven Chinese rushes. It is well padded and has a water-proof bottom. The sides are built high to protect the clothes. Each \$1.50

Garden Trowel and Fork Imported from England, of heavy forged Sheffield steel, with varnished ash handles. 12" overall, ea. .95c

Send check, money order, C. O. D. instructions, or charge account references. Delivery prepaid within 100 miles—to points beyond, charges collect

Hammacher Schlemmer & Co.

57th St. - 145-147 East (Near Lexington Ave.) New York, N. Y.



Send for our special folder featuring "Smart Housewares"

"Extra vacation money—



saved from fuel budget by Newport"

"EXTRA INCOME, that's what I call last winter's \$72 fuel saving that our new Newport heater made for us. And think how this will lessen the expense of our vacation trip this summer. Our judgment in choosing the Newport surely was good. Not only because it permits us to burn No. 1 Buckwheat coal and therefore save money, but because of the kind and amount of heat we get—topped off by the fact that coal shoveling is no longer one of your duties dear—thank Newport for that."

Husband to wife remarks like those above are common in thousands of homes where the Newport supplies the heat—moderately.

These people positively save a sizeable sum every heating season. You see, the Newport in feeding fuel, little by little, from its large upper chamber (same principle as the fountain pen) maintains an even fire bed that produces uniform heat from the small, cheap sizes of coal. Newport owners pay \$5 or \$7 less per ton for the kind of fuel they buy.

Newport savings is but one of its important advantages

Other exclusive Newport features will surely interest you, whether you are thinking of a heater for a new home or an old one, small or large—there is a Newport for every need. Send for our new booklet that describes all of Newport's advantages and explains how you can—HEAT—the EASIEST and CHEAPEST WAY. It's yours for the asking. The coupon below is for your convenience. Use it now and learn about modern heating that provides extra funds for many of the good things you want.

NEWPORT BOILER COMPANY
529 S. Franklin St. Chicago

NEWPORT MAGAZINE FEED BOILERS

Your own heating man makes the installation



The Newport principle has been proved by 15 years of successful heating. Your own heating man installs your Newport.

MAIL THIS

A Worth-while Booklet—FREE

Newport Boiler Company
529 S. Franklin St., Chicago
I'd like to look over your new booklet "Keeping Warm in Weston Park." Send it to:

Name.....

Address.....

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

Distributors in all principal cities—U. S. and Canada

Building a house for your car

Continued from page 485

they are square at both the top and at the bottom.

Nail one end of the roof ridge to a long timber so that a helper can hold it in position while the carpenter sets the rafters at the other end. After the front and back rafters are up, a diagonal brace will support the roof until the other rafters are set. The rafters are placed on the plate directly above the studs and opposite each other. Cross beams of sheathing board placed halfway up the roof add to the rigidity of the structure by counteracting the outward thrust of the rafters on the walls.

In framing the doorway two studs are set at each side of the opening. The door head is set seven and a half feet high. It is made of two two-by-sixes. The trim, of two-by-fours, is put on when the framing is finished. Gable ends of the garage should be studded above plate and door head.

In putting the sheathing on the walls cut it so that all joinings come in the middle of studs. Start at the bottom, completing the first row of boards before starting the one above it. In laying one board above another match the ship-lap joints that come already cut in the sheathing. It is also well not to have the joinings in one row correspond to those in the next. Boards should be nailed twice to each stud.

In shingling, the joints in one row never correspond with those in the next. The first course of shingles is laid double, so that it will be as high as the rest of the roof-surface. The amount the shingles are lapped varies with their size, but it is best to lap them so that the top of the first course extends slightly higher up the roof than the bottom of the third course. This leaves five and one-half inches of the ordinary eighteen-inch shingle exposed. Measure the five and one-half inches on the end shingles of each course, then stretch a chalked string between the two points, lift it and snap it to leave a white line as a guide for the next course. Run the shingles up until there is room left only for the ridge course, cutting off the tops of shingles that would otherwise jut above the ridge. The ridge course is laid at right

angles to the other courses. It is started at one end and worked to the center. It is finished with one shingle, placed over the two center ones. In this course each shingle must be cut to fit. Shingles must be lapped first on one side of the ridge and then the other.

The roof is trimmed by running a one-by-three up the gable ends and under the eaves. The side shingles are laid to come up and abut this.

Shingle the walls over the sheathing, laying the bottom course double.

The usual ugly garage doors are replaced in this design by doors of solid wood. The frames are of one-and-one-half-by-six-inch pine. One-inch tongue-and-groove common pine is run vertically and screwed to the frame with brass screws. By laying the bead side of the tongue-and-groove next the frame, and planing the edges of the flush side to form V joints, the covering of the door becomes part of the design. The doors are made to lap by extending the tongue-and-groove three-quarters of an inch beyond the frame on one door, and withdrawing it an equal distance on the other.

The cement floor of the garage need not be more than three inches thick.

MATERIALS

- 8—4" locust posts 3 ft. long
- 2—4 x 6—18' fir (sills)
- 3—2 x 6—16' spruce (head of door, frame, and scaffold)
- 40—2 x 4—16' fir (rafters, studs, plate ridge, door casing)
- 500 sq. ft. 1 x 8 NCP shiplap sheathing
- 750 lin. ft. 1 x 2 shingle lath
- 80 lin. ft. 1 x 3 com. WP (trim)
- 12 bu. 18" Perfection shingles
- 8 bu. 24" stained shingles
- 2—1 1/2 x 8—14 com. WP (frame of door)
- 8—1 x 8—16 T & G com. WP (door)
- 25 lb. 8D com. nails
- 5 lb. 10D " "
- 10 lb. spikes
- 20 lb. 4D galv. shingle nails
- 3 pr. 12" T hinges
- 2 doz. stove bolts and washers.
- 1 gr. 1 1/2" brass screws
- 1 gal. outside white paint

The \$400 home of a novelist

Continued from page 482

With a view to furnishing the house, we pounced upon all the left over boards that our carpenter was too prone to use for kindling, and out of these constructed our first "bed," which was nothing more than a simple 6 x 4 foot bunk, nailed to the wall on the inner side and supported by two sturdy legs on the outer.

In this we placed our Ford seat cushions by way of spring mattress and filled the interstices with bedding.

Some more left-over boards from the oak porch made a substantial table, and other scraps were converted into benches and shelves. Chairs were mostly made of fresh saplings bent, nailed, or tied into rare shapes and seated with anything sittable on—mostly lids from mail order packing cases.

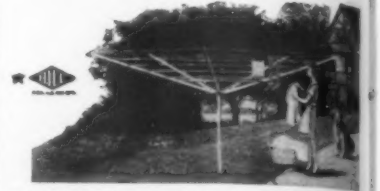
In the winter we made our furni-

ture. Tables were easy, but chairs perplexing, as you will learn when you try to twist saplings and make them stay twisted, and beds were a defeat. By springtime real cots took the place of the wooden frame that held the two Ford cushions.

By the endless small fussments known only to those with a craze for homemaking, X Shack had taken on the appearance of a place loved and lived in—pictures on walls, books on tables, flowers in the front yard.

X Shack knew all the little joys of daily life, and the terrors of illness and the shadow of death; strong winds battled around it and shrieked impotently at the staunch little house, builded with faith through hardship. In the midst of physical and spiritual turmoil it became an American home.

Hill Clothes Dryers



The slightest breeze and all the sun are utilized by the Hill Clothes Dryer. Its folding arms expose the clothes to all breeze and sunlight. Saves hundreds of steps every wash day. Gives you 150 feet of line within easy reach. Made of the best materials. Folds up and easily stored away when not in use. Write for Booklet E.

HILL CLOTHES DRYER COMPANY
50 Central Street Worcester, Mass.

Delicious—CRYSTAL-FRUIT



Luscious marmalade of orange, grapefruit and kumquat sealed in a grapefruit candied whole. Ideal for gifts, prizes, etc. 1 lb. size \$1; large size \$1.75, post-paid.

FREE: Half-pound of Crystal-Peel (appetizing strips of candied shell) with each \$1.75 shell

order. Sample of peel 10c. Order Yours Now!

FLORIDA NATURAL PRODUCTS CO.
Box 1133-A, Tampa, Florida

Setting-Up Exercises for Your Face—

LIFT SAGGING MUSCLES, REMOVE DOUBLE CHIN

Kathryn Murray's 5-Minute-a-Day Facial Exercises by strengthening flabby, drooping muscles. Helps to banish crow's feet, double chin, sagging cheeks, sallow complexion, etc., and restore in a safe, natural way the bloom and animation of youth. No massage—no lotions—no straps—no skill required. Results assured. 15 years of successful use. 1 Book free! Mailed in plain envelope open. Write today!

KATHRYN MURRAY, Suite 712
2 So. Wabash Avenue, Chicago

Plant new IRISES NOW!

Buy good iris varieties from specialists. Write for interesting descriptive catalog

The Longfield Iris Farm
Iris Breeders and Growers
Bluffton, Indiana

Special Values in Iris and Rock Garden Plants!

One each of ten named varieties of Iris \$1.00
Two " " " " " " 1.50
Five named Rock Garden plants - - 1.00
EXTRA SPECIAL—ten named Iris and five named Rock Garden plants 1.75

Send for free copy of our complete lists

HUGHES GARDENS
5348 Ohmer Ave. Indianapolis, Ind.

ANTIQUES

by Sarah M. Lockwood

Comprehensive, clear and handy, Antiques will solve your problem of getting the right furniture for the early American home.

Illustrated with 250 drawings \$3.50

DOUBLEDAY, DORAN



Protect Your Garden against Plant Insects
 Spray with

EVER GREEN
 NON-POISONOUS INSECTICIDE

DON'T let your garden be damaged by destructive insects. Spray with **EVER GREEN**, the modern insecticide.

Absolutely non-poisonous to everything but insects—harmless to tenderest plants and blossoms—safe and pleasant to use—economical—(1 oz. makes 6 gal. of spray against plant lice) easily applied—simply mix with water according to directions and spray.


Start today—buy **EVER GREEN** at seed, drug or hardware stores or send 35c for 1 oz. bottle.

McLaughlin Gormley King Co.
 1714 S. E. Fifth St. Minneapolis, Minn.

**BEAUTY—
PROTECTION
PRIVACY—**

This unique, durable, chestnut fence has a multitude of uses. Inexpensive; never needs painting. Three heights: 6' 6", 4' 11", and 3' 10". Shipped in 5-foot sections, ready to erect.

Dubois Fence & Garden Co., Inc.
 101 Park Avenue, New York
Illustrated catalog "4-G" free on request.



DUBOIS
 WOVEN WOOD FENCE
 MADE IN FRANCE

Sure death to garden pests



HERE'S a sure way to save your garden from the ravages of cutworms, snails, slugs, grasshoppers, sowbugs, etc. Ask your dealer for a package of **Snarol**. Then simply broadcast this ready prepared meal on the ground—under the plants and shrubs. The pests eat the meal and are quickly destroyed.

Snarol is non-injurious to plants—safe to use and is not harmed by sprinkling. Also, it lasts longer and is more economical. Order a supply today or write **Antrol Laboratories, Inc.**, 651 Imperial St., Los Angeles, Calif., Dept. E-1, for free book on "Pest Control." Do it Now!

FOR ANTS use the system that kills them in their nests.
ASK ABOUT ANTROL



SAVE Your Flowers

Protect their life and beauty with
DERRISOL

the new, safe insecticide
 NON-POISONOUS-ODORLESS

Here's news for garden lovers! Science has perfected an amazing new, non-poisonous insecticide called **Derrisol**, that safeguards the beauty of your flowers and forever ends all need for using dangerous, vile-smelling spray fluids!

KILLS THE INSECT PESTS
 Non-poisonous and odorless. **Derrisol** really kills plant lice, leaf hoppers, red spiders, small caterpillars, strawberry saw flies and other sucking insects. They infallibly succumb to its deadly power. Ideal for roses for aphids. It will not injure the tenderest foliage.

EASY AND SAFE TO USE
Derrisol is guaranteed harmless to animals or man. Vegetables and fruits can be sprayed up to day of picking with perfect safety. Contains its own spreader—requires no soap. Strongly endorsed by leading growers.

NOTHING ELSE IS LIKE IT
Derrisol is the perfect protector of your garden. Get a supply from your seed dealer today. Or order direct. 6-gal. size sent postpaid on receipt of only 35c. Copy of **Derrisol** Spray Calendar included free.

Order NOW—Satisfaction Guaranteed!

WM. COOPER & NEPHEWS
 1925 Clifton Ave. Chicago, Ill.

Have Weedless Lawns with the Jacobsen 4-Acre Mower with Clipper Attachment



Dandelions, Plantain, Buckhorn and other destroyers of lawn beauty are beyond the scope of the reel-type mower. The **Jacobsen Sickle-Bar Clipping Attachment** operates ahead of the reel. It nips off the weeds and allows the reel to finish the job lawn height.

It prevents annuals from reseeded and frees the lawn of these pests. There is nothing like it. Gardeners everywhere are enthusiastic.

The **Clipper Attachment** adds another exclusive feature to America's best known power mower—the only gear driven mower, with auto-type differential, self-sharpening reel and an eight-year record for efficiency and durability.

JACOBSEN MFG. CO.
 Dept. D RACINE, WISCONSIN
 New York Office: 507 W. 56th Street

WRITE
 for free catalog—"Lawns Beautiful," describing a Jacobsen Mower for every type and size of lawn.

Accept this GIET-



—if you are interested in planting your home grounds

A NEW BOOKLET, "How to Plant the Home Grounds," is now ready for distribution. It will be sent to you with the compliments of The National Home Planting Bureau. This valuable booklet was edited by "Chinese" (E. H.) Wilson, world famous plant explorer and horticulturist of the Arnold Arboretum. It has been written especially to help the home owner achieve beautiful home grounds. It pictures and describes the modern trend in beautifying home grounds, makes clear the concepts of good taste, and describes what constitutes well planted grounds.

Send This Coupon for Free Copy

National Home Planting Bureau (A.H.-7)
 481 Union Bank Bldg., Davenport, Iowa

Gentlemen: Please send FREE copy of your booklet, "How to Plant the Home Grounds," to

Name

Address

NATIONAL HOME PLANTING BUREAU



In and About the Garden



[[*Leonard Barron*]]

IT WASN'T so very long ago that anyone who wanted garden instruction in book form or wanted to make a working library of books devoted to the finer art of gardening and an intimate knowledge of particular favorite flowers, etc., was somewhat put to it. True, good reference books existed—some of them very good, and also, incidentally, quite high priced, like the incomparable *Standard Cyclopaedia of Horticulture* in six volumes, almost a complete library in itself, but the smaller fry who wanted special treatises in compact form and at a popular price had to look pretty far. But there has recently been a great change.

The era of small popular garden books was started perhaps with the Little Garden series under the editorship of Mrs. Francis King which apparently revealed an entirely new group of possible book buyers. There had been other series of little handbooks introduced to the American market before, but these were importations like the very practical Handbooks of Practical Gardening series and Garden Flowers in Color series, which were monographs dealing with the most popular of the garden flowers. Both these series, however, failed in direct application to the American gardener in that they were written entirely from and to the English point of view.

Recently several American publishers have stepped into the breach. The compact, handy little six volume series of The Garden Library (\$2.00 each): *Flower Growing*, by Leonard Barron; *House Plants*, by Parker T. Barnes; *Lawn Making*, by Leonard Barron; *Planning your Garden*, by W. S. Rogers; *Roses and How to Grow Them*, by J. Horace McFarland; and *The Vegetable Garden*, by Adolph Kruhm (all Doubleday, Doran Co.) was perhaps the pioneer in this popular moderately priced field. Also there is Mrs. Charles H. Stout's splendid manual *The Amateur's Book of the Dahlia* (\$3.00). But since then there have been other publications such as the Macmillan series of the Home Garden Handbooks (\$1.00 each) all by one author, and already we have had *Rock Gardens*, *Evergreens for the Small Place*, *Irises*, *Shrubs*, *Gladiolus*, *Dahlias*, and the very newest is *Lawns*, with the promise that there are yet more to come from the pen of the very versatile F. F. Rockwell. These little volumes of perhaps less than a hundred pages are simply made to appeal to the garden beginner. They present in proper sequence the cultural facts and practical routine work

concerning their special subjects. They do not delve deeply into the subjects nor can they be looked upon as authoritative books in discussing plant materials but as practical guides for the average man in the garden, or woman for that matter, they present the essential facts in a plain straight-forward and understandable manner.

A parallel series, or almost parallel, in which each subject is treated by a separate author, a specialist in each case, has been and is being developed by the Orange Judd Company under the editorship of F. A. Waugh who himself is well known as a horticultural leader and teacher. In this series we have the following: *Roses and Their Culture*, by S. C. Hubbard; *The Iris*, by J. C. Wister; *The Gladiolus*, by A. C. Beal; *Spring Flowering Bulbs*, by C. L. Thayer; *Dahlia Production*, by R. H. Patch; *The Strawberry*, by Samuel Fraser; *Bush Fruit Production*, by R. A. Van Meter; *Hardy Shrubs*, by F. A. Waugh. These are more comprehensive in their treatment of the individual flowers and plants while at the same time being also practical. The subject is taken more seriously and with a strong leaning towards an encyclopedic handling in each case so that the books form a small reference library. The reader really gets a good deal for \$1.25.

Another entrant into the field of practical garden handbooks is the A. T. DeLaMare Co., Inc., with a diversified lot of volumes chock full of statistical information for ready reference. One group in this series is by Professor Alfred C. Hottes including *The Book of Shrubs* (\$3.00), *The Book of Annuals* (\$1.50), *A Little Book of Perennials*, (\$1.50), *A Little Book of Climbing Plants* (\$1.50); and *Bulbs that Bloom in the Spring* (\$1.50), by T. A. Weston. Quite different in style but full of inspiration and help to the beginning gardener is Chelsa C. Sherlock's *City and Suburban Gardening* (\$2.00). This is written with more spirit, and one might also say emotion, than most books that are ostensibly offered as practical handbooks. It is a little volume published at \$2.00 and treats in a helpful manner the general topics of the average suburban home garden from design up to the cultivation of popular groups of plants. The latest thing issued from this same publisher is *Roof Gardening* (\$1.25) which does for the city and apartment house dweller pretty much what the previously mentioned book does for the suburbanite who has some space around the house.

So the amateur gardener to-day is not

wanting in sources of information and reference books either general or special. It is a good sign of the times indeed that this field is being filled so ably. Elementary books dealing with the very first steps that might almost be called kindergarten volumes have been aplenty in the past but they are largely scattered here and there as odd volumes issued by a diversity of publishing houses, but that's another story. What I wish to emphasize is that there is no excuse for the amateur gardener in even the most unpretentious little garden plot saying that he can't get the information needed to help him along the way. Altogether this all spells a good outlook for the garden development and larger activity in garden making and planting and altogether stimulating the whole horticultural industry.

This is a somewhat sketchy outline of books and I would be glad to go more deeply into the discussion of any of these, or any other garden book, with any reader who is sufficiently interested.

A MANUAL OF PEONIES

ANYONE keenly interested in the Peony, and that means a good many hundreds anyway, will welcome the manual of the American Peony Society which is, of course, a somewhat technical book. Its value lies largely in the official descriptive list of varieties. The American Peony Society has done great work in straightening out what was at one time a tangled nomenclature of this splendid garden flower. The present volume is the tangible result. There are other chapters describing types, color standards, the diseases and pests, breeding—in fact, everything that you could want about the Peony in all its types including the Tree Peony. But it is chiefly as a check list that it makes its greatest contribution to garden literature.

THE VISIBLE TULIP SUPPLY

AS EVERYONE should know the Tulip bulbs that we shall plant for bloom next year must come from Holland. At the time these lines are being written the advance reports are at hand from abroad which tell of losses in the bulb fields on account of the severe cold winter of 1928-1929. There will be Tulips available but the supply will be short and prices consequently higher, and the bulbs themselves may not be the same uniformly high grade that we have been led to expect. This is merely a hint to the reader who wants Tulips to get orders in early.

ROSE NEWS

Published now ☆ and again ☆ by Star Rose Growers ☆ Conard-Pyle Company ☆ Robert Pyle, President ☆ West Grove, Pa.

Christening a Rose



In our human relations we wonder after whom a person is named. Mary Anne we say was named after her aunt on her mother's side. John Joseph was named after his rich uncle. And so on. It is the same way in naming roses—there is always some reason for the name of each variety.

☆ ☆ ☆

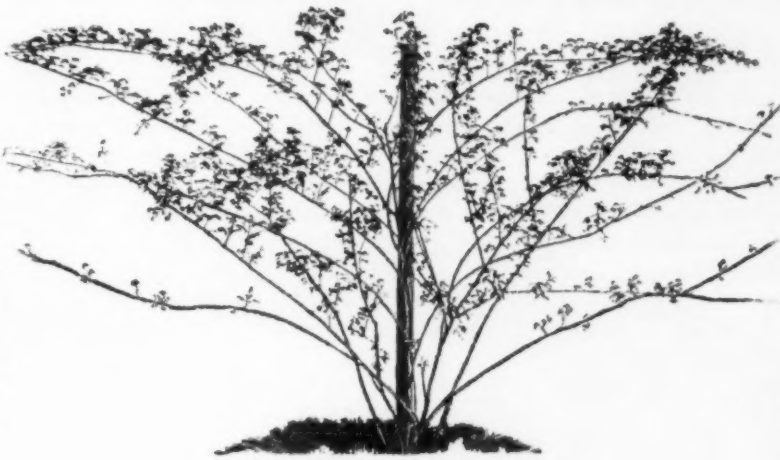
In Europe the dedication of a rose to a person is considered one of the greatest honors. It is also used as a memorial to a departed relative or friend. This explains the many "Souvenir de" which is the French for "In memory of", such as Souvenir de Claudius and Souvenir de Georges Pernet, dedicated by Pernet to his two sons killed on the battlefield. Souvenir de Claudius Denoyel, dedicated by Chambard to his favorite nephew and assistant, also killed in the war. Souvenir de Gorges Beckwith, named by Pernet for his intimate friend and agent in England. Souvenir de H. A. Verschuren, dedicated to their father by the Verschuren boys, when they took charge of the vast Verschuren rose nursery in Holland, producing over a million budded roses a year. The word "Feu" is also used to mean "The late" or "Deceased", as in Feu Joseph Looymans, the last rose hybridized by Joseph Looymans and thus named for him by his children.

☆ ☆ ☆

Women are very keen for having "their" roses, hence the Madame, Mrs., or Miss. It is a frequent occurrence that a husband will surprise his wife by presenting her on some birthday or anniversary with a new rose bearing her name. Children will honor their mother with a rose of her favorite color.

Sentiment is not always the motive back of the name of a rose, personal pride or an exaggerated ego sometimes plays an important part in adding to rose dissemination and nomenclature; someone will visit a prominent hybridizer's testing garden, admire a particular seedling and demand—with cash in hand—that it be named for her or him. Mme. Caroline Testout thus forced a seedling to come on the market which the producer, Pernet, did not believe good enough, but she paid the price, and incidentally the rose made good.

☆ ☆ ☆



Summer treatment of climbing and pillar roses

Summer is the time to begin to prepare for a repetition, next year, of the gorgeous rose display of this year. It is as the plants grow that we should give them the proper treatment—for then the wood is pliable and easily trained. If we wait until later, when the growth is done, the wood will be unwieldy and many eyes will be injured. As each eye means a cluster of blooms the following season, it is extremely necessary to take good care of them.

"Fanning"—this is the ideal method of training tall growing Hybrid Perpetuals, Rugosa, and all similar varieties of that same intermediate growth, not dwarf nor yet climbers.

Shown above is Conrad Ferdinand Meyer. This is a first-class demonstration of how a rose should look at the end of July, after it has been pruned, thinned out, tied up, and is being trained to grow in the way it should. As you can see, it is "fanned"—

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆

each of the long shoots assigned to a definite position so that the entire bush assumes a shape which at blooming time will be an object of great and resplendent beauty. Obviously, many, many more blooms can be expected from a plant trained as a fan than from any other method.

Climbers can be used to form a screen. All that is necessary is to set in as many posts as is desirable, about 3 feet apart. As the long shoots grow, zigzag them from one post to another. When the plant blooms the effect is wonderful—and even when there are no blooms the "screen" is as beautiful a mass of verdure as any other plant material could possibly furnish.

Remember, that small blooms or cluster-flowered climbers, of the type of Dorothy Perkins, must be pruned as soon as they have bloomed. On the other hand, the large flowered climbers need to be pruned only to keep them within bounds.

500,000 Roses Are Growing

Fully one-half million roses are growing in the fields near the Star Rose Gardens. In various locations between West Grove and Jennersville in nursery rows, facing rugged outdoor conditions, roses are being produced that will make the Star famous.

For the convenience of visitors who may wish to come and stay a while the old Colonial Rose Inn at Jennersville provides creature comforts for the most fastidious. There are pleasant accommodations for overnight guests. There are interesting gardens. There are flowers all about. The guest book shows the signatures of: Angela Margan, author of "The Hour has Struck"; Blanche Mazurka, who recently starred in the "Wild Duck," was there not long ago—and many other equally interesting and interested visitors. You, too, are invited to visit the country where the American rosegrowing industry had its beginning.

☆ ☆ ☆

On June 21 the Chester County Historical Society will assist in the ceremony wherein the present owners of Rose Inn will pay to the heirs of the former owners of the property the annual rental of one red rose. Formal exercise will be held at the Rose Inn as usual, and the public is, of course, invited to participate.

☆ ☆ ☆

Did you ever enjoy a rose garden in the rain? If you didn't, you have missed something very real—for a gentle rain makes the roses five-fold sweeter—it puts dew drops on the rose petals and freshens everything round about. So, if you come to West Grove on a damp day, don't despair, you'll enjoy the roses perhaps even more than if it were sparkling sunshine.

☆ ☆ ☆

If you are confronted with any problem in rose growing, now is the time to send for that interesting little booklet—"Success with Roses". It's only 25c for a 32-page book, complete with illustrations and explicit directions. It tells what to do, when to do it, and how to do it. It leaves nothing to chance. It will help you grow more roses, more beautiful roses, and to have plants blooming for longer periods. Send now.

☆ ☆ ☆

Keep posted on roses—watch this page of Rose News in every issue of The American Home—and keep the "Star Guide to Good Roses" handy. It's the most interesting rose catalog in the world.

The Conard-Pyle Company
Star Rose Growers
Robert Pyle, President
Box 24 West Grove, Pa.



THE STAR ROSE GROWERS

REQUEST THE PLEASURE OF YOUR COMPANY

ANY HOUR OF ANY DAY

ALL SUMMER AND UNTIL FROST

AT THE

Court of the Queen of Flowers

Among the ladies in waiting will be

DAME EDITH HELEN LADY CRAIG

LADY MARGARET STEWART MME. GREGOIRE STAECHELIN

Ambassadors will be present that have already arrived from Korea, Thibet, Kurdistan and others from France, Germany, Holland, England, Scotland, Ireland and Spain are expected.

Every rose is labeled. Finding lists are at the garden entrance. You do not have to ask for a guide.

STAR ROSE GARDENS
On Baltimore Pike near West Grove, Pa.

U. S. Route No. 1

40 miles south of Philadelphia 60 miles north of Baltimore



Garden Reminders



In gardening a date can only be approximated. Generally the latitude of forty degrees at sea level and a normal season is taken as standard. Roughly, the season advances or recedes fifteen miles a day, thus Albany would be about ten days later than New York (which is latitude 42).

The latitude of Philadelphia is a week earlier. 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.

NORTH

The Flower Garden. Most annuals are planted, and some are coming up. There is still time to plant Nasturtiums, Sweet Alyssum, Babysbreath, for fall bloom.

Start perennials for next season's blossoming. Get some Campanula and Digitalis, even if you have nothing else.

Don't let early-flowering annuals go to seed. Keep picking them as soon as they show traces of withering.

Keep after those eternal weeds.

China Asters for late window boxes may be planted now in a seed bed with some shade.

Cosmos will grow straggly unless you pinch them back. Dahlias and Chrysanthemums will be the better, too, for the same treatment.

Don't let suckers grow on Dahlia plants.

Water Sweet-peas often. If it is particularly dry this month, mulching will not hurt.

Don't put your spraying chart away yet. Keep the insecticides handy.

Divide Iris plants.

Delphiniums, when through blooming, should be cut. Climbing Roses are through flowering. Prune them.

The Vegetable Garden. You certainly will want some vegetables in October. Plant them now. Beans, beets, carrots, corn, cucumber, endive, kale, kohlrabi, lettuce, okra, peas, pumpkin, radish, spinach, squash, and white turnip.

Keep beets well thinned.

Set out main crop of celery.

If tomatoes are growing without support, put straw under the vines to protect the ripening fruit. Remember, you want fruit, not foliage. Thin out the foliage to give the plants strength to ripen.

Set cabbage out for late crops.

Use the rake often, to keep soil well pulverized.

Want currants in August? Cover some of the bushes with bur-lap before the fruit ripens.

Use hellebore to get rid of currant worms.

Dust tobacco over the earth near melons, to keep bugs away.

Use bonemeal, too.

Pinch back raspberry canes to 30 inches.

Use tobacco dust around squash plants.

Potato bugs will get you if you don't use arsenate of lead.

Bordeaux mixture in time will save tomatoes, potatoes, and cucumber from blight.

Cultivate asparagus and rhubarb.

Last sowing of early sweet corn.

Plant strawberries for next year's crop.

SOUTH

The Flower Garden. Tie up Chrysanthemums. For big blossoms and firm stems remove some of the growth. Do the same with Dahlias and Cosmos.

No need to keep pinching out tops of Dahlias, Chrysanthemums, Cosmos, and Heliotrope.

Start perennial seed bed.

Portulaca should be strong enough to stand heavy wetting. Plant *Lilium candidum* late this month or early in August.

Dig up and divide Iris clumps. Reset them.

Cut back Poinsettias. Use as cuttings the trimmed pieces.

Slip large plants and get cuttings into the ground.

Last call for planting vines.

Plant German Iris seed if you haven't done it yet.

Take cuttings of Coleus.

Cut off branches from the parent stem and put into soil of window or porch boxes.

Sweet Alyssum border getting scrawny? Cut it back to encourage new growth, or plant new seed.

Layer Clematis, like Roses.

As soon as seeds are ripe sow for next year's crop of Delphinium, Iris, Hardy Phlox, Hollyhock, Pinks, and Sweet William.

The Vegetable Garden. One more planting of corn.

Sow radish, lettuce, endive, cauliflower, and cabbage.

Plant okra, squash, and pumpkin at once, if neglected last month.

Train tomatoes.

Make one more planting of beans.

Miscellaneous. Feed evergreens with bonemeal.

Pretty hot for real work, but keep after those weeds.

Use rock salt or coal oil to kill grass and weeds in gravel walks.

Keep decayed fruit off trees.

THE WEST COAST

Water house plants and window boxes to keep them from drying out. Apply bonemeal and liquid manure.

Water and mulch new shrubs and vines.

Use hoe regularly.

Watch for weeds.

Give Dahlias application of liquid manure. Water them well.

Tie up Campanula and Cosmos.

Stake Chrysanthemums. Fertilize and water them.

Let soil around Roses dry out a bit. Mulch with grass clippings.

Prune the bushes back.

Remove faded blooms and leaves. Don't let too many plants go to seed.

Plant Asters, also Zinnias, in place left vacant by bulbs.

KEEP THINGS GROWING!

IN JULY the amateur gardener in the northern states often neglects his garden for golf, while the seasoned veteran rolls up his sleeves, mops his brow, says, "Phew, it's hot," and keeps working to bring his plants through.

If the weather is exceptionally hot, and there's been little rain, get out the hose or the water cart, and give the garden a thorough soaking.

When transplanting from starting beds or putting in new bedding plants it is advisable to prepare a puddle of clay and loam, and dip the roots into the puddle.

Gardeners in the South will find this a month of extreme heat. The ground is dry and moisture must be conserved. The garden's three essentials are watering, hoeing, and mulching.

Plants must be given a great deal of water. Excessive sprinkling is likely to damage the leaves and flowers, so irrigation is widely practiced. Where practical, dig a shallow ditch along the sides of flower and vegetable beds, and fill it with water, which will seep through the ground to the roots.

This is the month to start perennial beds. Plant the seeds, cover the bed with fine soil, and then cover with muslin, or other thin material.

In the West July is as busy a month as it is in the South. Start your porch or window boxes, protected from the extreme heat. In them sow Pansies, Violas, Candytuft, Anemone, Hollyhock, Wallflower, Delphinium, Carnation, Forget-me-not, Primrose, Mignonette, Phlox, Stock, Canterbury-bell, and Foxglove.



For Gorgeous Effects, Plant Tulips in Masses!!

Webster defined "gorgeous" as "beautiful, luxurious, glorious," with the synonym "grand" added for good measure! The late flowering Tulips are *all that and more!* In our humble opinion, a Tulip bed or border, while at its best, surpasses any sight on earth, a sight to return year after year, if proper care is exercised.

We offer below a critical selection of varieties that are bound to enlist you forever into the ranks of Tulip enthusiasts. At prices quoted you can well afford to plant them in quantities. All bulbs offered are of the Zandbergen Standard:—"Bulbs in a Class All Their Own."

For Those Who Find it Difficult to Choose

To many home gardeners the large choice of Tulip varieties in the various classes is rather bewildering. For this reason we offer herewith a collection of Breeder, Cottage and Darwin Tulips the quality of which will, we are sure, delight the most particular.

12 Bulbs each of 12 Choice Sorts, 144 Bulbs in all for only \$10.00

- | | |
|--|--|
| John Ruskin —Salmon-rose, edged yellow. 75 cts. per doz., \$5.00 per 100. | Princess Elizabeth —Deep pink Darwin. 75 cts. per doz., \$5.00 per 100. |
| Louis XIV —Purplish bronze. \$1.15 per doz. | Clara Butt —Finest salmon-pink. 60 cts. per doz., \$4.00 per 100. |
| Dream —Pale heliotrope Darwin. 70 cts. per doz., \$4.50 per 100. | Grenadier —Red with yellow base. 75 cts. per doz., \$5.00 per 100. |
| Eclipse —Deep, rich, glowing blood red. \$2.00 per doz., \$15.00 per 100. | Faust —Dark satiny purple Darwin. \$1.00 per doz., \$7.00 per 100. |
| Pride of Haarlem —Rose-carmine Darwin. 60 cts. per doz., \$4.00 per 100. | Bronze Queen —Soft buff Breeder. 70 cts. per doz., \$4.50 per 100. |
| Mrs. Moon —Golden yellow Cottage. 90 cts. per doz., \$6.00 per 100. | Prince Albert —Glowing mahogany brown. \$1.15 per doz., \$8.00 per 100. |

Cottage Tulips to Grace Your Garden and Home

- | | |
|--|--|
| Miss Blanche —Large well-formed pure white. \$1.00 per doz., \$7.00 per 100. | Gesneriana Spatulata —Rich crimson-scarlet. 70 cts. per doz., \$4.50 per 100. |
| Picotée —White, margined deep rose. 90 cts. per doz., \$6.00 per 100. | Mrs. Moon —Rich golden yellow. 90 cts. per doz., \$6.00 per 100. |
| Inglescombe Pink —Soft rosy pink, flushed salmon. 70 cts. per doz., \$4.50 per 100. | Hammer Hales —Golden brown, flushed old rose, edged bronze yellow. \$1.15 per doz., \$8.00 per 100. |
- Special Offer**—1 Dozen each of the above 6 varieties, 72 Bulbs in all for \$5.00.

"Greetings from Tulipdom"

Our catalog is ready to acquaint you with all we offer in the way of "Bulbs in a Class All Their Own." A pleasant book produced by the rotogravure process, it should prove a welcome visitor to flower-lovers everywhere. Free, of course, and please mention The American Home.

Six Choice Darwin Tulips

You'll be proud to have these growing in your garden.

- | | |
|--|--|
| Professor Rauwenhoff —Bright brilliant blue center. 75 cts. per doz., \$5.00 per 100. | Afterglow —Deep rosy orange, salmon high lights at edge. \$1.15 per doz., \$8.00 per 100. |
| Zulu —Rich, velvety purple-black. 70 cts. per doz., \$4.50 per 100. | Baronne de la Tonnaye —Bright rose, margined bluish rose. 60 cts. per doz., \$4.00 per 100. |
| Suzon —Soft buff rose, shading to blush at margin. 60 cts. per doz., \$4.00 per 100. | Anton Mauve —Rich violet-purple shade with dull garnet. \$1.00 per doz., \$7.00 per 100. |

Special Offer—1 dozen each of the above varieties, 72 Bulbs in all for \$4.50.

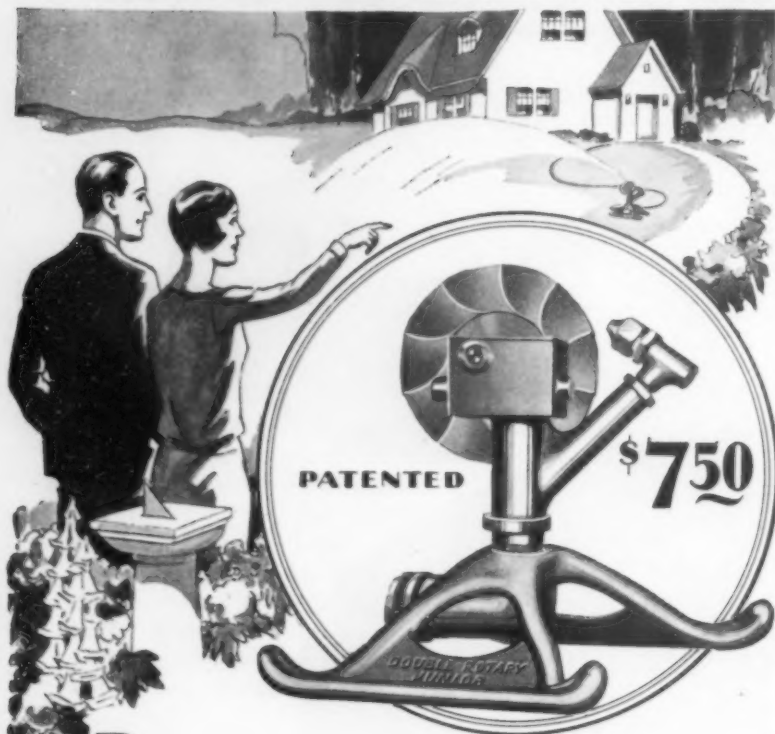
Six Glorious Breeder Tulips

- | | |
|---|--|
| Jaune d'Oeuf —Lively apricot with broad lilac stripe. 90 cts. per doz., \$6.00 per 100. | Godet Parfait —Dark blue-purple, white base. \$1.00 per doz., \$7.00 per 100. |
| Louis XIV —Dark purple flushed bronze with margin golden brown. \$1.15 per doz., \$8.00 per 100. | Butterfly —Lilac, lighter edges. 75 cts. per doz., \$5.00 per 100. |
| Bronze Queen —Soft buff. 75 cts. per doz., \$4.50 per 100. | Panorama —Deep orange shaded mahogany. 75 cts. per doz., \$5.00 per 100. |

Special Offer—1 Dozen each of above six remarkable Breeder Tulips, 72 Bulbs in all, for \$5.00.

Zandbergen Bros., "Tulipdom" 3 Mill River Road, Oyster Bay, Long Island, New York
Nurseries at Valkenberg, near Leiden, Holland, and at Babylon, Long Island, New York

BETTER FOR EVERY HOME USE



Protects Growing Things

Those who take special pride in preserving the beauty of lawns, flowers, and shrubs during hot, dry July and August, will find the Double Rotary Junior a wonderful protecting aid. It prolongs the life of all growing things. Sprinkles nature's way, like a gentle shower, soft and caressing. Gives you a mist-like spray for seeded flower beds; rain-like drops for blooming plants; or a drenching shower for shrubs and lawns.

The Double Rotary Junior is easily regulated to sprinkle in a circle or on a straight line . . . to operate as a stationary sprinkler or to rotate. Covers any circular area from 15 to 80 feet in diameter, according to pressure. Reaches every nook and corner . . . puts water just where you want it, efficiently and economically.

This Junior model has all the proved features that have made the famous heavy duty Double Rotary a leader for ten years, plus a stationary feature. Scientifically constructed of finest materials. Bronze and steel gears operate in oil bath. Standardized parts. Easily moved on skid base.

DOUBLE ROTARY JUNIOR SPRINKLER

ORDER ON APPROVAL . . .

Order this all-purpose sprinkler from this ad and test it on your own lawn and in your own garden for 10 days. If not satisfactory, return sprinkler and money will be promptly refunded. Descriptive literature on request.

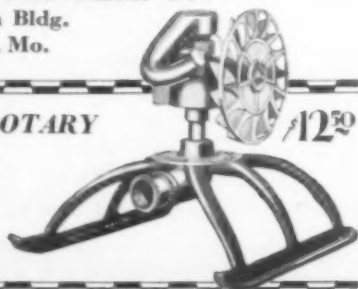
DEALERS: Write for sales proposition.

DOUBLE ROTARY SPRINKLER CO.

501 Coca Cola Bldg.
Kansas City, Mo.

The Heavy Duty DOUBLE ROTARY

The leading sprinkler for golf courses and large estates. Self-operating on the famous Double Rotary principle. Sold under same 10-day trial basis and money-back guarantee as above Junior model.



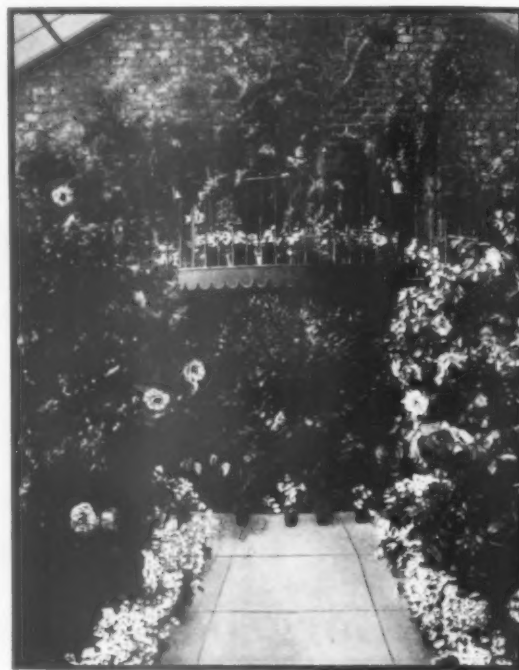
Return of an aristocrat

Continued from page 490

City" attaches to the Capitol City near the Golden Gate. In the half shade of high overarching Elms, where there is deep moist soil, bushes ten to twelve feet high are seen by the score bearing flawless flowers, a thousand to a bush, from December on to March and into April. The colors run from purest white through delicate pink (this to me is the acme of Camellia perfection) to rose, lavender, red, and scarlet, with many forms that are mottled and striped, pink, white, and red.

suggested. There is almost no flower stalk. In the old-fashioned bouquet when the flowers were wired this lack of a stem was no drawback.

In addition to its single form the Camellia may be found in a shape resembling a Peony, with shredded edges to the petals. There is the rosette form, petals set with precision like a water-lily, and edges of the petals perfectly smooth. Another form resembles a short petaled rose when open, and when not fully opened is almost exactly like a gardenia.



The Camellia house in the gardens of Mr. W. R. Coe at Oyster Bay, N. Y., holds a fine selection of distinctive varieties

The single red form was the first to be introduced from Asia. It is recorded that a Moravian Jesuit named George Joseph Kamel or Camellus, for whom the shrub was named, came upon the plant in Asia in the Seventeenth Century. Hence the name, which is properly pronounced with a short "e"; but most of us call it "cameelya" and it is likely to be so called for a long time to come.

The single form, usually, and as far as I know, always red, was first introduced into America in 1759, though the double forms which we most admire were not brought in until half a century later. The Camellia has the spectacular habit of coming into flower all at once over the whole bush. The single flowered form somewhat resembling the mallow, does not fully expand by the time the blossoms, without falling apart, drop to the ground. This characteristic of the bloom to hold compactly together up to the time of falling is more or less true of all varieties.

Camellia flowers are subject to discoloration by heavy rains and from careless touching, although if carefully handled they retain their freshness in water indoors for a week or more. The leaves are thick, glossy and of a very rich green as before

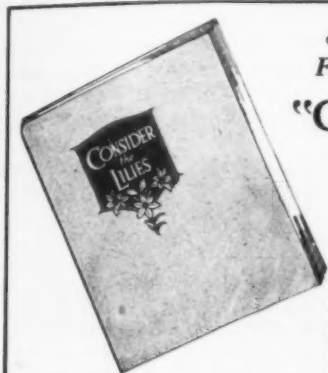
The Camellia and Gardenia for all that they look so much alike, are members of entirely different plant families.

The fullest treatise on the Camellia is to be found in a French work in two large tomes by L'Abbe Berliaie published in 1841, superbly illustrated with life size reproductions of drawings in color. Here one finds shades and markings which it is hard to imagine existing unless one happens to have seen them in life.

The Camellia likes coolness in situation, not too dry an atmosphere, and a soil which never reaches the point of actually drying out, with moisture down within reach of its roots. The plant is usually propagated by cuttings, though it is also grafted. It is not especially difficult to raise although it develops slowly.

To become acquainted with the Camellia is to admire it. There is about it an elegance that falls in with the Chippendale and chintz of a few generations ago. Its value lies in its fine hue and quality of leaf, its well rounded bush form, and beauty of flower form and color. Bushes of a few feet in size bring ten dollars, and more in proportion to size, and yet, in spite of this, it is again beginning to be sought after eagerly by those who have faith in their ability to grow it.

"Consider The Lilies"



Marshall's
Famous Book
"Consider
The
Lilies"
(2nd Edition)

The first edition of our book "Consider the Lilies" was accepted by the world's greatest Horticulturists as one of the most

interesting, authentic, and glorified treatises on Lilies ever published.

The Second Edition (now ready) surpasses its predecessor in every way. More descriptive and cultural matter has been added, several new varieties have been included, and pictures of the most delightful old and interesting new types are gloriously and truthfully reproduced in natural colors.

No expense has been spared, no effort shirked in its compilation; it is a book that every recipient will read, jealously guard, and frequently refer to, for authentic information on the Great Family of Lilies.

This book will be sent free with the collection of Lilies offered on this page or any order for Lily bulbs to the value of \$3.00 or over.

A nominal charge of \$1.00 will be the price if the book alone is ordered.

for
Fall Planting

A Rare Lily Garden
for \$5.00

One good flowering bulb of each of the following handsome varieties in a wide range of color and one copy of our book "Consider the Lilies" for \$5.00 postpaid.



LILIAM REGALE

- Auratum platyphyllum**, white, richly spotted yellow.
- Bulbiferum**, yellow-orange, tipped red.
- Canadense**, yellow, spotted black.
- Davuricum**, scarlet flowers, dotted black.
- Elegans atrosanguineum**, rich crimson.
- Hansoni**, rich golden yellow.
- Martagon**, purple blossoms in clusters.

- Pardalinum**, bright orange, spotted crimson.
- Regale**, (Regal Lily,) white with yellow throat, striped pink on exterior of petals.
- Speciosum rubrum Melpomene**, deep carmine on white ground; crimson spots.
- Tenuifolium**, clusters of deep scarlet flowers.
- Umbellatum**, deep reddish orange.

GREAT care and much thought have been given to the selection of the bulbs offered in our 1929 Fall Bulb Collection. All are of the simplest culture, responding readily and generously to the minimum of care.

They will produce an abundance of bloom in a pageantry of color over a long period. Left undisturbed, they will increase from year to year.

Those who are interested in Lilies will undoubtedly desire many other Hardy Bulbs for Fall Planting. The complete line we shall have for distribution at that time is fully described in our Autumn Catalogue (ready in July.)—Send in your name now, to receive a copy—it is FREE.



TULIPA PERSICA

The Unusual and The Unique! Tulip and Crocus Species for Discriminating Gardeners

In accordance with our constant efforts to bring to American Gardens "the Unusual and Unique" in floral treasures, we are offering a superb assortment of Tulip and Crocus Species, gathered from far corners of the globe. These are described in a beautifully illustrated folder which we will send FREE to those who request same and are interested in our offerings of these bulbs.

They are just the treasures to stimulate the keen enjoyment of gardening so often surfeited with the commoner—but beautiful—bulbs so universally grown.



C. SPECIOSUS AITCHISONII

EST.
1906

W. E. MARSHALL & CO., INC.
152 West 23rd Street
NEW YORK CITY

INC.
1917



Homelike Atmosphere

What could be more charming than graceful Ferns, clustering around the steps or approaches to the home? Humble cottage or pretentious estate, Ferns fit anywhere and lend atmosphere that can not be secured through any other plants. Moral—Plant more Ferns!

FERNS FOR MOIST, SHADY PLACES
 ♀ Adiantum pedatum, 1 ft.; ♀ Aspidium cristatum, 1 ft.; ♀ Aspidium acrostichoides, 1 ft.; ♀ Aspidium spinulosum, 1 to 1½ ft.; ♀ Aspidium marginale, 1 to 2 ft.; ♀ Asplenium thelypteroides, 2 to 3 ft.; ♀ Asplenium Filix-foemina, 2 to 3 ft.; ♀ Phegopteris hexagonoptera, 1 ft.; ♀ Woodwardia virginica, 2 ft.
45 Fine Clumps for \$6.00 Please order as Collection No. 3

FERNS FOR DRY, SHADY PLACES
 10 Aspidium acrostichoides, 1 ft. 10 Aspidium marginale, 1 to 3 ft.
 10 Dicksonia punctilobula, 1 to 2 ft. 5 Osmunda Claytoniana, 2 to 3 ft.
35 Fine Clumps for \$5.00 Please order as Collection No. 2

We guarantee safe and satisfactory arrival of all shipments.

4 Free Treat for Nature Lovers—You'll enjoy a visit to the woods through our catalog! Yours for the asking and please mention The American Home.

GILLETT'S FERN AND FLOWER FARM
 3 Main St., Southwick, Mass.
At It Half a Century!

Your Opportunity— Parkway Acquires Land— Prices Greatly Reduced

Because our Nurseries stand in the direct line of the Sawmill River Parkway, we are offering rare bargains in fine large Evergreens, such as we have planted on many of the famous estates in Westchester County.

These trees will live and grow. Of an order filled in 1928 for \$3,564 worth of Evergreens, including trees 35 ft. high, only one small tree failed.

July is the month to make your selections for August and September planting. At any time, a visit to our Nurseries is well worth while. In July the new dress on the Evergreens, the many choice Japanese Iris in full bloom, and the Rock Garden abounding in planting suggestions will add special interest.

Come to our Nurseries, on the Saw Mill River Road, 3½ miles north of Elmsford.

Catalog on request.

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



A getaway for next year's flowers

Continued from page 491

is still moist. Cultivate the top with a hand cultivator. If little labels are put in, cultivation may be done between the rows, but do not cultivate again until the seedlings are up.

Small seed like Pansy seed may be sown on the surface and pressed in with a float or board. Put a slight sprinkling of soil over them. Larger seeds should be planted about a quarter of an inch deep.

Someone asks if you may save seed from your own garden for this? Of course you can! Seed sown as soon as it is mature on the plant will make a much better stand than seed that is carried over until spring. In case you see a beautiful bloom which you would like to have repeated, tie a string around the head of that flower. Let it fade, and after it has completely faded, let it fade some more, and finally pick off the ripened fruit vessel. Spread the seed on a paper in the sun and let the sun do a little more work of drying out for a few days. Then start your seed in the seed bed. Hollyhock, Pansy, and Sweet-William may all be started this way. Other plants in your garden, like Larkspur and Scabiosa, early-blooming varieties of perennials may also be started. If late bloomers are desired, then I

would buy my seed of the best seedsmen I knew.

Do not shift these young plants to their permanent quarters, but leave them in the seed bed till spring.

During the winter put a cover of leaves over this bed to protect the babies. The cover should not go on until after the first light frost comes.

In thinking over the plants which you wish to start in this perennial bed, of course, you must have Delphinium or Larkspur. Everybody wants it. It makes a splendid border, or is lovely in clumps planted here and there throughout the border. Pyrethrum or Painted Daisy is a perennial which has been greatly improved in the last few years. There are beautiful varieties now on the market in lovely whites and lavenders, pinks and crimsons.

In choosing for color, Perennial Candytuft is a fine white; for blue, there are Delphinium formosum, and Salvia azurea; yellow, Ranunculus acris and Oenothera Youngi; pinks, Asters, Chrysanthemums, Sedum spectabile, Anemone japonica, and Rudbeckia purpurea; reds, Sweet-William and Pyrethrum. These are just some isolated interesting perennials.

When a steep bank is an asset

Continued from page 495

acutus) is much hardier, but you must not let it get too dry. Pachysandra terminalis will be better if you cannot give water. These all rather prefer shade. Cotoneaster horizontalis is a prostrate shrub, nearly evergreen, and with fine fall berries and tinted foliage that will do well either in sun or partial shade.

The Wichuriana Roses can be made to clothe a bank, though it is best to break steps as you set the plants so that food and moisture will not cascade down this surface. This is true of all bank planting. Roses, too, will need better fare. The soil must be carefully broken, enriched with well rotted manure, and if heavy subsoil, it must have additional humus—leafmold, rotted turves.

Cutting these steps or shelf pockets in the bank also makes it possible to use shrubbery here.

All these things are plants that take time to start. Until they give some effect, seeds of more rapidly growing annuals may be scattered, though in a steep bank ridges will be needed to keep them from slipping to the base.

In many hill gardens of Europe, the German Iris is used to hold the soil. It holds American soil just as well, and profits by the drainage.

All these things are good things to do with a bank. But a bank, whether on the boundary or within the garden, whether high or low, is just the place for a rock garden. Now there are nearly as many kinds of rock gardens as there are gardens, and you must not be appalled with the thought of all those great slabs of rock to be brought in. Lacking them, we might see what others have done with the rock at hand.

Probably the stones most at hand

are the cobblestones from the lot itself. These have been built up into good dry walls for boundary, inner terrace, and sunken garden. If very small, they may need some holding mortar at corners and points of pressure. It helps much to fill in with finely pulverized soil as you build, and plant the seeds or spread the roots of small plants as you go. See that there are no air pockets. Roots must have soil all the way. Also see that your stones tip in enough so that rain is carried back into the soil.

Nearly all edging plants do equally well in such situations as I have described here, though the amount of sunshine and moisture to be had make some difference. In shade you will have to rely largely upon Ferns, Polyanthes, and Forget-me-nots.

PLANTS FOR SUN

You cannot go very far wrong in making your own choice for this planting if it has partial or full sun, and you will remember to water it during dry seasons. As suggestions you might try white Arabis, lavender and purple Aubretia, the lilac Creeping Phlox G. F. Wilson, Creeping Thyme, and one or two of the Sedums for closely growing mat-like plants. For taller pocket plants, Viola Jersey Gem, Veronica incana, Queen Victoria Forget-me-not, Linum narbonneuse, Snowflake Evergreen Candytuft (Iberis), Mrs. Sinkins Pink, Erigeron alpinus, and the Carpathian Bellflower. The Sunroses (Helianthemum) are commonly reported as not hardy in severe sections, but a Michigan grower claims them hardy in that state. They are splendid for a sunny sandy bank, and will cascade over rocks or ground.



Bumping Into Bulbs —that's not the way to best buy them



Fritillaria Imperialis (Crown Imperial)

Among our wild bulbs are many of those lovely wild things so hard to get and so much sought. Shown in this garden glimpse is *Fritillaria Imperialis*. Our catalog contains wild bulbs that you can't get anywhere else.

INSTEAD of waiting until you bump into something or other that makes you think of bulbs, and then "going out" or "sending away" somewhere for them, the best way, is this way.

You see it's like this: We import our bulbs direct from Holland. Do it sufficiently in advance, so as to secure for our customers, the very cream of the crop. The cream, at prices most convincing. That cream, is what we prefer to sell to you, because it means such unfailing satisfaction.

As you know, October is the month of months for bulb planting. That means you won't want them until along the last of September. All right, then, you send us your bulb order any time up to July fifteenth, and we can guarantee to fill it with the cream of Holland's bulbs. Bulbs we sell you after then, will be the best the market provides. But there will not be the selection of varieties. By far the surest, safest—(not to mention the most economical way,) is to buy your bulbs the early ordering way.

Send at once for our Bulb Catalog. Get your order to us no later than July 15th.



Reg. U.S. Pat. Off.

Wayside Gardens

E. H. Schultz
Pres.

MENTOR, OHIO

J. J. Grullemana
Sec'y-Treas.

BOBBINK & ATKINS

Visit
Nursery



Ask for
Catalogs

EVERGREENS

For Every Place and Planting

Two hundred acres or more of our nursery are given to Evergreens and Evergreen shrubs. There are Evergreens for every purpose, in quantities to meet the needs of the small garden, the private estate or the public park; Evergreens for Rock Gardens, for Sunken Gardens, for foundation plantings, and for large landscape. All are presented in our new catalog "Evergreens, Azaleas and Rhododendrons" which will be sent on request to those who intend to plant Evergreens.

Our Specialties

Magnolias, Azaleas, Lilacs, Cotoneasters, Japanese Maples, Weeping Flowering Cherries, Red and White Dogwood, grafted Blue Spruce, Koster and Moerheimi varieties.

Roses

By Bobbink & Atkins

A revised edition of this standard reference book for Rose growers describes nearly a thousand varieties, including new introductions and old favorites. All are classified to make ordering easy. A copy will be mailed to all who intend to plant Roses.

In your request, it is important to state definitely what you intend to plant. We issue several catalogs

We are in a position to fill orders of any magnitude

BOBBINK & ATKINS, Rutherford, New Jersey

Please mention this magazine

Hardy Herbaceous Plants

New and old-fashioned flowers—Asters, Campanulas (Telham Beauty and others), Delphiniums, Epimediums, Japanese and German Iris, Potentillas, Trollius, Anthericum, Doronicums, Eremurus, Heucheras, Adonis, Astilbes, Primulas, and Rock Garden Plants.

The Book of Opportunity Order Now—before the Leaves turn!

ORDER NOW
and Save on Bulbs at these Special
July Prices—for Fall Planting

"Opportunity" No. 1
EXTRAORDINARY OFFER
100 DARWIN
TULIPS \$3.50

Choicest first-size bulbs sure to bloom. Schling's Special Mixture made from ten of the finest named varieties—NOT the ordinary field-grown mixture usually sold.

A \$6.00 value for only \$3.50

"Opportunity" No. 2
MADONNA LILIES

To Glorify your June Garden—
Lovely with Delphiniums

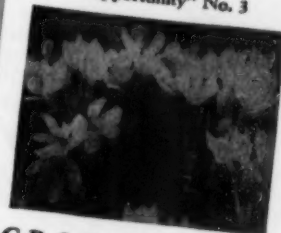
We offer here a limited quantity of those who wish unusual results. 10 to 15 magnificent blooms on stalks 4 to 5 feet tall may be expected. Delay may mean disappointment—Order NOW.

Special, Picked Bulbs
75c each \$7.50 a dozen

Regular Mammoth Bulbs
50c each, \$4.50 a Dozen
\$35.00 per 100

Send for our special July Bulb List—many other attractive offers at substantial savings.

"Opportunity" No. 3



CROCUS
ZONATUS!

A superb autumn crocus to glorify your rock gardens through October and November.

Here is a charming rarity—a late flowering crocus thus scattered through your gardens and borders, in September will delight you with its large and unusual flowers of palest blue decked with anthers of a golden orange, all through the late Fall and until the ground freezes. Perfectly hardy.

Make your reservations Now—All orders shipped at time of planting, late August to early September

\$1.00 a dozen \$6.50 a 100
\$60.00 a 1000

Schlings Seeds

MAX SCHLING SEEDSMAN, Inc.
Madison Avenue at 58th Street New York City

It's Planting Time for Michell's
Giant Pansies & Violas

Seed sown during July and August will give you an abundance of these lovely flowers next Spring.



8 Michell's Giant Prize Pansies, all separate and distinct varieties, that will delight garden lovers securing them at this special price with postage prepaid. **\$1**

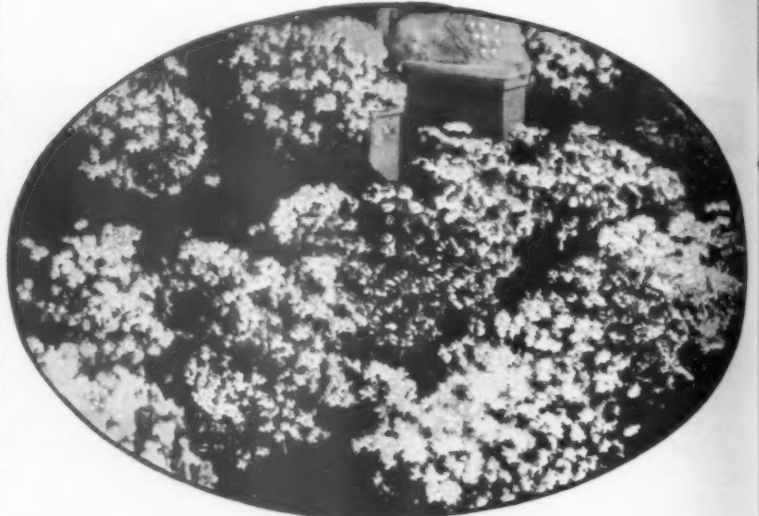
PKTS.

8 Michell's Violas—the finest varieties which form an assortment designed to give you a wide range of color. Violas are the vogue today for rockeries as well as for bedding and edging purposes. This collection is also sent postage prepaid if ordered from this advertisement. **\$1**

PKTS.

A copy of Michell's Midsummer Annual Catalogue awaits your request

Michell's Seeds 520 Market St. Philadelphia, Pa.



The new Azaleas of Bobbink & Atkins which combine the best qualities of the Kurume and old Belgian races were particularly noticeable at Philadelphia. This promising novelty race is something to be watched for developments

WHY BUGS LEAVE HOME



Trade Mark Registered

WILSON'S O. K. PLANT SPRAY

SAFEGUARD your beautiful plants, flowers and shrubs from destructive insects. Spray them regularly with Wilson's O.K. Plant Spray . . . the nationally recognized standard insecticide . . . the insects will disappear and your plants will prosper. Andrew Wilson products may be obtained at leading stores everywhere . . . write us, if your dealer cannot supply your requirements.

Recommended by the Officers of The Garden Club of America.

1 quart \$1.00 1 gallon \$3.00 5 gallons \$12.00 10 gallons \$20.00

Wilson's WEED KILLER is the answer to those obnoxious weeds, poison ivy, etc. . . simply dilute with water and sprinkle . . . 1 gallon \$2.00, 5 gallons \$8.00. And then there is Wilson's RHODY-LIFE, a wonderful soil stimulant (not a fertilizer) for making the soil acid or ideal for growing Rhododendrons, Azaleas, Laurels, Pines, Spruce, Blueberries, and other acid-loving plants. Wilson's RHODY-LIFE may be applied at any time of the year . . . 100 pounds \$5.00, 1000 pounds \$45.00, 2000 pounds \$85.00.

"Insects and Their Control" is the title of a new book by Andrew Wilson illustrating the various insects and scale that attack plants and trees, with directions for their control. Price \$2.50 postpaid.

Andrew Wilson

Dept. A INC.

SPRINGFIELD NEW JERSEY

Seeing the flower shows

Continued from page 494

merely upon skill in growing plants but rather in finding out how to employ most effectively any given kind of plant, flower, tree, or shrub.

The flower show of each city had its individuality. In Boston, for example the visitors rubbed up an acquaintance with a greater number of different plants, both new and old, than elsewhere; and it was quite a surprise, for example, to find a collection of perhaps a hundred different varieties of Geranium in one display. This is an illustration of the educational opportunity of these shows, but is by no means an isolated instance. Boston revealed many an old favorite, indeed. It also had at the other extreme a huge collection of Orchids arrayed as a typical hillside with a mountain cascade of falling water tumbling down for a distance of nearly forty feet!

New York's outstanding feature was the polished finish of its "gardens." In design too, these flower shows show the trend of the times in garden fashion. Rock gardens are to-day firmly established in popular favor, and not one of these great metropolitan shows was lacking in

artistic and practical construction of this very modern garden fancy and at Philadelphia in particular was this noted. The rock garden is definitely looked for to-day; yet I recall it was only a few years ago that the first attempts at rock garden exhibitions were made at New York.

It is not without significance surely that the efforts in garden design seem to be good almost in direct ratio to the length of time that the show has been established. This is a broad general statement that must not be measured too exactly, but it is true that Buffalo, which had its first effort this year fell far behind all those elsewhere and notably New York, Boston, Detroit, and Chicago. Time and experience do tell.

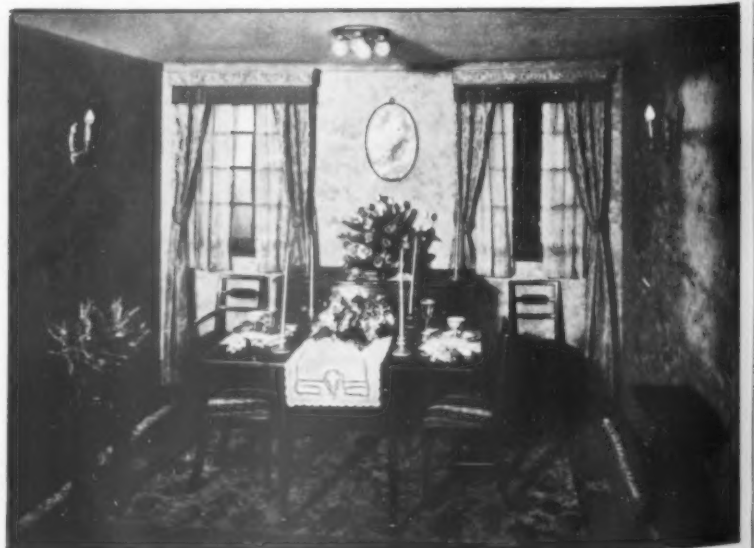
Again, the "art" side of the exhibit is in direct relation to the activity and participation of the organized amateur interests as represented by the several garden clubs. At Buffalo there was one notable feature—the demonstrations of the use of flowers and plants for home decorations of tables, rooms, etc. We have a long, long road yet to travel to a better understanding (continued on page 550)

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. It will give you a new conception of quality and values in bearded Iris. If you are interested in planting this noble flower, it's yours for the asking.

HARCOURT M. TAYLOR
 Riverside Gardens Yakima, Washington



At the National Flower Show (Buffalo) the uses of flowers for home adornment reached a new peak of exhibition display. Here is one example of room and table decorations



About This Glass Garden

IN TRUTH there's so much about it, that there is scarcely room here to say a word about it. However, luckily, it's both shown and "said about" in that new catalog called: "Some Greenhouses We Have Built." Furthermore it contains a good showing of Conservatories, Sun rooms, and a generous group of Glassed Over Swimming Pools. To a copy you are most welcome.

FOR FOUR GENERATIONS BUILDERS OF GREENHOUSES

Lord & Burnham Co.
Builders of Greenhouses and Conservatories

New York—1828-A Graybar Bldg.
Chicago—210 S. LaSalle Street *Toronto—309 Harbor Comm. Bldg.*
Offices in Many Other Principal Cities

**Landscapes
 and
 Gardens**

are most interesting when new, novel, and rare plants replace the more common kinds. "Landscapes and Gardens" our 1929 catalogue, features the latest American and foreign introductions—Cotoneasters, Kolkwitzia, Spiraea trichocarpa, Flowering Trees, Evergreens, Roses, Shrubs and Perennials. A copy will be mailed on receipt of your name and address.

WYMAN'S
 FRAMINGHAM NURSERIES
 Box H-1 Framingham, Mass.

ANDORRA

High Grade Stock
 of Ornamental
 Trees and Shrubs

Catalogue on Request



ANDORRA NURSERIES, Inc.
 CHESTNUT HILL PHILADELPHIA

**When Neutrality
 does not Pay!**

INDIFFERENCE towards ever increasing, ravenously hungry hordes of bugs spells garden disaster. Constant vigilance is the easiest price to pay for perfect fruits and flowers, and the minute you discover insects of any kind, spray with



After more than a decade of exacting trials under greatly varying conditions, this is now conceded to be the greatest all-round garden cleanser extant.



It absolutely kills all leaf-chewing insects, sap-sucking parasites, and defeats those still more subtle garden enemies, like scale, blight, rust and other fungous diseases.

With a can of Melrosine at hand, you can contentedly face the tribulations of the new garden season. Most good dealers sell it, or we can supply direct.

Instructive leaflet free on request.

GARDEN CHEMICAL COMPANY

Park Avenue & 146th Street New York, N. Y.



The Waterfan

*An Ideal Sprinkler
 for Watering*

LAWNS and GARDENS

It has advantages over the ordinary Sprinkler for it covers a RECTANGULAR area—oscillates its sprays so they fall like a gentle rain and is mounted on a sledlike frame for easy pulling by the hose.

Model	Area Covered	Pressure required for best results	Weight	Price f.o.b. Woodbury
No. 6	15 x 45 H	25 lbs.	6 lbs.	\$15.00
No. 8	25 x 45 H	25 lbs.	7 lbs.	\$16.50

It is adjustable for covering smaller areas and works on a higher or lower pressure.

It is trouble proof and durable and a demonstration will prove its merit.

Cash orders sent Parcel Post prepaid.

Campbell Irrigation Company

MALCOLM C. LUDLAM, Prop.
 Woodbury Phone 303 New Jersey

GREAT BARGAINS
in Flowers from
FAMOUS SPECIALIST

Home grounds and Gardens are not complete without Iris and Peonies, leaders of the Entire Flower Kingdom. Pfeiffer grown varieties, among which are some of the rarest now within the reach of all, special introductory offers below greatest opportunity ever offered.

Special Collection IRIS

35 choice varieties. Not labeled. In the widest assortment of colors imaginable. All different. A collection that will surprise and delight you. All 25, postpaid, only \$1.35. The greatest Iris Bargain ever offered.

WORLD'S FAMOUS IRIS

Greatest assortment of varieties and colors. Standard popular kinds to rarest, such as *Mother of Pearl* and *Ambassadeur*, the Flower Show Prize Winners, rated American Iris Society. Many specials propagated by us, at prices ranging from 15c to \$1.00 each. Many special collections to fill out your garden, such as seven-teen line varieties, \$5.00 worth for \$2.50 with Mother of Pearl Free, or \$7.50 collections for \$4.95. Described in free catalog.

Special Collection PEONIES

To introduce Pfeiffer quality, we offer World's Greatest Peony Bargain, 6 Dependable Varieties, 2 Red, 2 White, 2 Pink. Each correctly labeled. All 6 for \$2, postpaid. With all orders received before September 15th, we will include a *Richardson Rubra Superba* worth \$1 Free. Don't miss this wonderful opportunity.

RARE VARIETIES OF PEONIES

Many new varieties originated by us. Prize winners at National and Sectional Flower Shows. No garden complete without some of these beautiful fragrant unusual varieties such as *Loetta Pfeiffer*, *Karl Rosenfeld*, etc. Our assortment is complete, at prices ranging from 50c to \$50.00 each. Also many special collections such as 10 choice varieties for \$7.00. Other collections in Free Catalog.

Set Catalog Free. Printed in colors, shows ratings, descriptions, actual colors, of Peonies, Iris, Phlox, Gladi, Tulips, etc. A catalog every Flower Lover should have.

THE PFEIFFER NURSERY
Dept 120 Winona, Minnesota



BRAND PEONIES
Glorious Creations of Rare Beauty

For more than 62 years we have been developing and improving the world's most beautiful Peonies. We can now say that we have the largest and finest collection of Peonies in the world. Peonies that will amaze and delight you with their size and beauty. Peonies that will make your flower garden the envy of all who see it.

Unusual and Rare Varieties

In our collection you will find just the Peonies you have always wanted. Peony lovers the world over always come to us for new stock because they know by experience that we have exactly what they want.

Our New Peony Manual

Just published late in 1928 and the most complete book on the peony ever written. This book answers every question as to the varieties, care and history of the Peony. Every peony lover should have this manual and it will be given free to all who purchase Peony Roots amounting to \$5.00 or over.

Catalog Free

Our Peony and Iris catalog is yours for the asking. It describes all the beautiful Brand Peonies and Irises. Send for it now.



BRAND PEONY FARMS, Inc.

Box 33 FARIBAULT, MINN.

For Lawn, Garden and Flowers

Use **HYPER-HUMUS** "The Soil Essential"

This natural soil builder contains 86 to 89% organic matter. It is finely ground and easily worked into the soil. Absorbs rainfall, releasing moisture as needed for plant growth. Encourages the growth of beneficial soil bacteria. Insist on *genuine Hyper-Humus* Sanitary—Odorless—Weedless—Non-Acid

Ask your garden supply dealer for Hyper-Humus, or send us \$2.00 for 100-lb. Trial Bag, prepaid to any station within 100 miles of New York City or Philadelphia.

If you grow RHODODENDRONS or other FLOWERING EVERGREENS, ask us about RHODO-GRO.

Write us for Free, Instructive Literature

HYPER-HUMUS COMPANY
18 Park Place Newton, N. J.



Hyper-Humus Corrects Soil Texture
"Puts the Top in Top Soil" Holds Soil Moisture

Seeing the flower shows

Continued from page 548



The Acacia "forest" which Mr. Thomas Roland had at Boston. This grower has left a trail of Acacia interest behind him whenever he has exhibited at other big shows in previous years

of the underlying principles of flower arrangement for decorations of one sort or another. Modernism, or the modernistic style of decoration as applied to garden planting was seen at New York—angularity in massing into sharply pointed beds, etc., was the motif—and the result was rather curious than pleasing, certainly not restful, which as I take it, a garden should be. Even the greenhouse glass was painted into large frosted triangles!

But, you may ask, were there no new plants to claim attention? Oh, yes, indeed, a few quite new and some older ones that were almost as little known. In particular among the latter was the plant that cropped up at New York, Boston, Chicago, and Buffalo, at all events, and maybe elsewhere, too, which was aptly described by one observer as though it started out to be a *Salvia* and then changed its mind. The scaly-like inflorescence was of green bracts tipped with reddish brown. For those who are interested, the name is here recorded: *Beloperone guttata*, coming from tropical America and belonging to the *Acanthus* group.

A new Rose to make its bow was President Hoover which may be aptly described as a greatly improved

Talisman, not so violently colored. The new hybrid Iceland Poppy sent from the Pacific Coast which has been making a name for itself in cut flowers with eastern growers was seen in fine character.

The still new and as yet very slightly distributed Kurume and Belgian Azalea hybrids were dominant at Philadelphia. At the National Flower Show at Buffalo the one new thing was the race of *Triumph Tulips* of which a fuller account may be read in the pages of the July issue of *Country Life*. This race is a blend of the Early Flowering and the Darwins. Its outstanding merit is that it is very little behind the early flowering race in time of bloom and has the long stem of the Darwin. It is essentially, however, for growing under glass and early forcing that this race makes its strongest appeal. Yet I cannot repress the feeling that it has a place in the garden where early bloom is wanted; sometimes even a week's gain is worth having.

Are flower shows worth while? Yes, indeed, for they focus the thought of a million people on the desire for better gardens, at the psychological season when spring is about to awaken.



Mrs. Homer Gage's colorful bulb garden at the centennial exhibition of the Massachusetts Horticultural Society, Boston, an outstanding feature for color brilliancy, and leaving nothing to be desired from the cultural standpoint



IRIS
from April
till July!

THE dainty little Iris *pumila* illustrated above bursts into bloom with Rock Cress and the Daffodils. Some of the tall, bearded Iris continue the carnival into July. Below I offer a few of the choice t. For other meritorious kinds please consult pages 44-47 of my free catalog.

- 1. CRISTATA. Only 3 in. high, amethyst-blue flowers during late April.
- 1. PUMILA. Rich royal purple, Earliest.
- 1. VERNA. A symphony in blue and gold. Any of the above 25c. each; 3 for 65c.; \$2.50 dozen.

A few of the Choicer, Medium Priced Sorts of Special Merit

- CAPRICE. Rosy claret of 2 shades. 2 ft.
- FLAVESCENS. Soft yellow. 30 in.
- HER MAJESTY. Rose colored, deeper veins. 30 in.
- QUEEN OF MAY. Lovely soft lilac-rose.
- MRS. H. DARWIN. White with violet veining. 24 in. Any of the above 25c. each; 3 for 65c.; \$2.50 dozen.

SPECIAL: The set of 5, two of each, 10 in all, for \$2.00

For the Connoisseur in Search of Iris Aristocrats

- CRUSADER. 42 in. The bluest blue, with orange beard. 60c. each.
- LENT A. WILLIAMSON. 42 in. Blue, purple and yellow fantasy. 50c. each.
- LORD OF JUNE. 40 in. Lavender and violet. \$1.00 each.
- ROSEWAY. 4 ft. Dee rose-pink with orange beard. 75c. each.
- MARSH MARIGOLD. 27 in. Purple-brown with bright yellow border. Unusual. 75c. each.

SPECIAL: One each of above 5 superb creations. \$3.00

Various Species

- 1. *Pseudacorus*. Yellowflag. Bright yellow Iris. 30c. each; \$3.00 per dozen.
- 1. *Sibirica*. Deep blue Siberian Iris. 25c. each; \$2.00 per dozen.
- 1. *Sibirica alba*. White. Late blooming. 25c. each; \$2.00 per dozen.
- 1. *Versicolor*. The Native Blueflag for wet places. 25c. each; \$2.00 per dozen.

SPECIAL: One each of above \$1.00

The above are particularly adapted for naturalizing. To encourage planting in masses, I offer these—any variety, at \$15.00 per hundred.

Free Catalog, of course

GEORGE D. AIKEN
Box V Putney, Vermont
"Grown In Vermont, It's Hardy"

SPRING IS HERE

In all its entrancing beauty. Acres of the world's most magnificent peonies in all their bewitching loveliness are waiting to greet you at Cherry Hill.

Come and share their glory with us.

CHERRY HILL NURSERIES
(T. C. Thurlow's Sons, Inc.)

Not open Sundays
West Newbury

Catalog
Massachusetts



Wake-robins or Wood-lilies

WITH a breath of the woodlands the Wake-Robins or Trilliums come forth in early spring—just a harbinger of other lovely native plants that abound in the Carolina mountains. Best of all, these natives thrive and bloom in lowland gardens if given little attention until established.

- Purple Trillium.** Flowers brown to purple, followed by red fruits. Plants tall—9 to 18 inches.
- Snow Trillium.** White, turning to rose; 2 to 3 inches across. Highly recommended for borders.
- Painted Trillium.** Earliest blooming. Flowers scarlet and white. Strong growing, often 15 inches high.
- Rose Trillium.** A rare native variety. Flowers rose-pink; large, and borne on nodding stems.
- Prairie Trillium.** Dark purple flowers on stems 10 inches or more in length. Distinct and lovely.

Ten Extra Size Bulbs \$7.50
of each variety, postpaid

SPECIAL OFFER: 100 Bulbs of Six varieties (my selection) for \$10.
Bulbs shipped in time for Fall planting.

My Catalogue of native plants, lilies, and shrubs, is now ready. If you have not received a copy, please advise me.

E. C. ROBBINS Gardens of the Blue Ridge **Box 7, Ashford, N. C.**

Peonies! Irises!

You may have seen some of our Peony blooms sent by air-mail to the Boston Show last June. Our Peonies and Irises are consistent Medal—and Blue-Ribbon-winners and our stock of both Novelties and Standard Varieties is everywhere recognized as vigorous, healthy and of the superior quality that characterizes all roots and bulbs grown in this Puget Sound country.

Catalogue on request

PUGET SOUND PEONY GARDENS

IVAN W. GOODNER, Owner
R. F. D. 12, Box 727 SEATTLE, WASHINGTON



Where Skill Earns a Premium

If you are one of those individuals that can grow plants from seeds, here is your opportunity:

The Dreer Selection of Rock Garden Flower Seeds

contains a dozen charming perennials easily grown from seed. It holds such popular favorites as shown above, also Columbines, Primroses and other equally desirable citizens of the hardy plant world.

12 fine varieties all told, for only \$1
Please order as Collection 3551.

12 Extra Choice Hardy Perennials for an even \$1.00

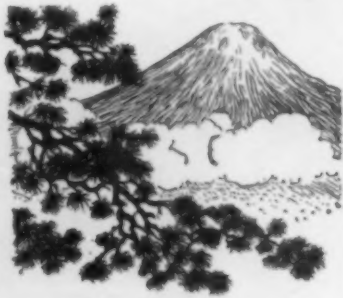
The finest and most carefully selected assortment, including Long-spurred Columbines, DeLuxe Hybrid Delphiniums, New Hybrid Lupinus, New Hybrid Oriental Poppies and many other of the better varieties of hardy plants, in strains we are certain are the best obtainable.

Collection No. 3550—12 pkts.—\$1.

Dreer's Midsummer Catalog

A book devoted primarily to offers of such items as will help you to make the most out of midsummer gardening opportunities. No matter what your needs—seeds, bulbs, plants, etc., etc.—so long as they are seasonable you'll find them offered in the catalog. Please ask for it, mentioning this publication.

HENRY A. DREER
1306 Spring Garden Street
PHILADELPHIA, PA.



And Now It's Sankei-Yen!

Last year we told how the Iwamoto Floral Company, Tokio, Japan, subscribed for 12 copies of the *Gardeners' Chronicle* for the instruction of their staff.

On February 14th, 1929, we received a subscription order for 28 copies of the *Gardeners' Chronicle* to be mailed monthly throughout the current year to Sankei-Yen.

If Japan with its age-old garden lore needs the *Gardeners' Chronicle*, surely it is a necessity to every American gardener.

Send \$1 today, check, dollar bill or 2c stamps; we will mail you seven monthly issues. Or send \$2 for full year plus the current issue, 13 issues in all.



Why do Dahlias get "stunt"?

Continued from page 496

were received. Six weeks afterward, the plants were stunted, and, on digging down, the pot balls were found intact and still dry on the inside. A green plant should never be set without thoroughly soaking the pot ball, and, better still, gently loosening up the soil in the ball so that the roots will spread out.

Hardening of the stem may result in dwarfing. If a plant is badly pot bound when set out, it may not recover. Sometimes, on light colored soils, the reflected light will cause hardening of the stem. In all such cases, the remedy is to cut back the plants and give water, but no additional fertilizer. Eyes on tiny tubers already formed will probably start.

There is another type of stunting which is the result of physiological degeneration. Just as in animal families, a "black sheep" may appear, a moral or physical degenerate, so in plants. Among a fine growing lot of a particular variety may appear an individual which may grow half as high as the rest. If there is pigmentation in the stems, they appear darker. The leaves are normal in form, only slightly smaller than usual, but are pale yellowish green. The plant appears "hard." Flowers open, but they are much smaller than the normal and paler in color. Generally, such a case can be ascribed to degeneration, and the plant might as well be pulled up at once, and burned.

Here is where the green plant enters the picture. In a clump of roots, it is possible that one tuber might be degenerated. If only tubers were planted, just one plant would be abnormal. If, however, this particular clump was put into the propagating bench, it is altogether possible that several abnormal plants might be propagated from cuttings.

The very best clumps from the healthiest plants should be selected for propagation. A plant which has been forced for exhibition should never be used for this purpose. Usually such tubers are poorly developed, immature and shrivel easily. If put into the bench, such clumps will start slowly, the shoots will be thin and wiry, will probably root poorly and never develop as they should. After being set in the garden, they may stand still, become stunts, and "green plants" will be blamed, whereas the fault was in the propagator and his methods.

By far the greatest number of stunted plants that come to our attention have been stunted because of insect injury. Three insects or classes of insects may cause this trouble.

In more northern latitudes, where spring comes late but suddenly, as in upper New York state, upper New England, and states of similar climatic conditions, the tarnished plant bug causes a dwarfing of plants. This insect is of the sucking type, about one-eighth inch long, metallic in color, and flies off quickly when alarmed. It attacks the tender growing point, usually inserting its beak in the stem, just back of the growing point. This frequently results in a killing of the tip, and the production of side shoots, which are likewise attacked with like results. The plant

becomes very bushy. There is little reduction in the length of the internodes, so that the dwarfing is more a bushiness. *The leaves are normal in size, shape, and color*, and, if the insects are controlled so that flowers develop these will be normal.

Dwarfing may be caused by attacks of leaf-hoppers, especially where the plants are growing slowly. The leaf-hoppers are sucking insects and usually work on the lower surface of the leaf. A leaf attacked by this insect first turns pale green, then yellow, at the margin. If the attack is severe and continuous, the leaves eventually become very pale and yellowish, and the plant almost ceases to grow, due to the loss of the green coloring matter which is so vital in the manufacture of plant foods.

Thrips apparently cause the greatest amount of stunting in the Middle Atlantic states and southern New England. These thrips are tiny insects about one twenty-fifth of an inch long, in color pale yellow tinged with black. They enter the terminal bud and chafe the surface of the leaves and stems still folded in the bud. When the bud unfolds, the leaves are curled and crinkled, the stems are shortened, and many slender stems result, giving a very bushy appearance to the plants. Flowers either fail to develop, or are very small, off color, or one-sided. Often these plants remain in this condition all summer, probably due to continuous or recurrent attacks of the insects. Sometimes, however, in the latter part of the season, a strong, normal shoot may appear that will bear normal flowers. That this very common type of stunting is caused by insects is proved by the fact that plants which have been thoroughly sprayed with nicotine solution, or dusted with nicotine dust if the temperature is high enough, making sure that the spray or dust enters the terminal bud, have been free from the trouble, while unsprayed adjoining plants of the same variety have been stunted.

An interesting point about this situation is that there is a difference in varietal susceptibility, which is as yet not fully explained. Varieties with thick, rough, hairy foliage, like Mrs. I. de Ver Warner, Jersey's Beacon, Margaret Woodrow Wilson, and The Red Planet are seldom attacked seriously by either leaf-hoppers or thrips; while varieties with thin, smooth foliage lacking in pubescence such as Insulinde, Mrs. Nathaniel Slocombe, Jersey's Radiant, Mrs. Ethel F. T. Smith, La Favorite, and Eagle Rock Beauty are very susceptible to attacks of thrips and leaf-hoppers.

There are two diseases of the virus or mosaic type which may be serious. The first is the "rugose" type, so named because of its resemblance to the rugose disease of the potato. The leaves are dark green or slightly mottled in color, and are roughened or blistered. The second disease is known as the "ring spot" disease. The disease appears in a target formation of concentric rings, alternating green rings about one-fourth inch in width, and yellow rings, one thirty-second inch in width. These diseases are probably transmitted by insects.

ORCHIDS

We have the most varied and largest commercial collection of orchids in the United States—write for special list of established orchids.

LAGER & HURRELL
Orchid Growers and Importers
SUMMIT - - NEW JERSEY

Learn to be a — LANDSCAPE ARCHITECT



At Home—By Mail

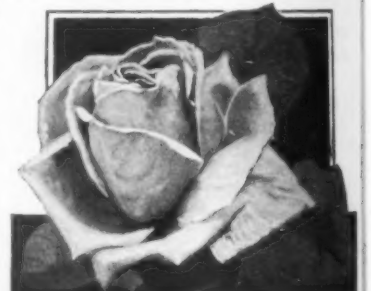
Big fees; pleasant, healthful work; a dignified, uncrowded profession offering remarkable opportunities to both men and women. Experts earn \$50 to \$200 a week. Some students pay for course from fees earned while studying.

Send Coupon Today
We will send you interesting material showing how you may easily and quickly enter this profitable business.

Gentlemen: Please send me complete details regarding your home study course in Landscape Gardening.

Name.....
Address.....

AMERICAN LANDSCAPE SCHOOL
14 Plymouth Bldg. Des Moines, Iowa



For Better Gardens—Perfect Flowers

KILL INSECTS

No matter what plants, flowers or trees are infested, "Black Leaf 40" (nicotine sulphate) is the old reliable spray for killing aphids, thrip, leaf hopper and similar insects. That is the successful gardener's way. He keeps "Black Leaf 40" on hand knowing that these pests may appear almost over-night.

Easy To Use. Instructions come with every package. The ounce bottle, for 35c, makes six gallons of effective spray. Sold also in larger sizes, by druggists, hardware, seed or department stores.

Tobacco By-Products & Chemical Corp., Inc.
Louisville, Ky.

Spray

"Black Leaf 40"
40% Nicotine
Kills Aphids 40"



NOW NOW

Sweep Your Garden Clean

With One Shot

Save your roses, plants, vegetables, shrubs and trees from the ravages of chewing insects — sucking insects — blights — and fungi. Requires no technical knowledge or skill in using. The three best poisons, Arsenate of Lead, Nicotine, and Bordeaux Mixture, in tightly covered tin can — easy, economical, safe. Get free "Spraying Guide" from your dealer.

Acme White Lead & Color Works
(Incorporate Division), Detroit

ACME ALL ROUND SPRAY