HOSPITALITY knows no handicap in homes where a General Electric Refrigerator stands guard over food and health. Here is an inexhaustible source of delicious chilled salads, tempting frozen desserts, sparkling cold drinks—quickly, inexpensively made.

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CARON CORP., 389 FIFTH AVE., NEW YORK

August, 1931
HAVE you received the impression that Kittinger Distinctive Furniture is beyond your scope of investment? While it is true that our Period reproductions and adaptations are found in many of America’s finest homes, executive offices and clubs, this is so because leading dealers and decorators recognize the faithfulness of our designs and a rare old-world feeling of skilled craftsmanship. Many pieces could have been selected that cost far more than Kittinger Furniture!

There are over 700 pieces in the Kittinger line...all inspired by the finest Period designs and all fashioned from Solid American Walnut, Solid Honduras Mahogany and Solid Oak in keeping with the best of traditional cabinetry. These pieces are skilfully and substantially built for the enjoyment of this and future generations. And yet...Kittinger production methods have made this distinctive furniture available to the family of moderate income.

The booklet, “The Charm of a Livable Home,” contains many suggestions for effective groupings and illustrates the scope of the Kittinger line for the home and executive office. A copy may be secured at any of our showrooms or by sending your request to Kittinger Company, 1877 Elmwood Ave., Buffalo, N.Y.
CRYSTAL GAZING?

You don't have to gaze into a crystal or consult an astrologer to learn that you're going to have good fortune soon!

Just look into the clear, gemlike depths of these lovely Sloan Crystal Goblets and you'll own a dozen of them or maybe, even, a complete service, before you know it!

And all your guests become crystal gazers when they see your table laden with sparkling goblets and glasses by Sloan. Ask the hostess who owns them!

Not all of this crystal-magic lies in the flawless clarity and prismatic reflections of the glass. Much of it is in the designs whose rare good taste caused a well-known art critic to christen Sloan Crystal, "The Aristocrat of the Dining Table".

Twenty choice designs in goblets, all sizes and types of glasses, and three sizes in plates.
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You will appreciate the assured skill and personal interest with which our decorators assist in the planning and furnishing, or complete reconstruction, of any room or entire home. Such expert guidance assures you results of unerring good taste and charm.

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The Corner Shop turns to TABLES

... to show you how very beautiful these new reproductions are...

WE’VE accomplished a very exciting thing—after years of plotting and planning, of hoping for, and harping on, perfection. We’ve created, in this country, masterly reproductions in which Old World taste and technique are subtly in sympathy with New World tempo. Superb pieces with exquisite fidelity to their originals. You can see it even in these little tables. It is even more evident in the important pieces for living room, dining room, bedroom, library or game room. We are eager to have you see them.

MACY’S
34th Street and Broadway, New York, N. Y.
The SOFT, LUXURIOUS BEAUTY of CELANESE

Distinguishes these Modern Windows

For rooms that subscribe to the modern note in architecture and decoration, there is a definite trend toward Celanese as the ideal fabrics to complete the decorative ensemble. The inherent richness of texture in weaves of Celanese . . . the vibrant quality of their clear, luminous colors . . . balanced by extremely serviceable features unexpected in fabrics of such beauty . . . are keyed to the modern spirit in decoration. Glass curtains and draperies of Celanese have a natural, luxurious weight, entirely free from loading . . . they are not deteriorated by rain or dampness . . . do not shrink or stretch . . . never mold . . . and may be cleaned repeatedly without injury to their colors or texture. Celanese "white," moreover, never turns yellow . . . an important asset in the present vogue for white interiors.

Celanese yarns, fabrics and articles are made of synthetic products manufactured exclusively by the Celanese Corporation of America . . .

180 Madison Avenue, New York

Thedlow, Inc., achieves distinction for the long windows of this dining room with curtains of white Celanese Luranese, a ribbed taffeta weave of pronounced beauty.
Come, travel the long fine road of Buick ownership

A long, smooth, carefree road, winding through the years, is the road of Buick ownership. It starts the day you take delivery of your Buick—It leads to scores of thousands of miles of glorious motoring enjoyment.

You do not have to be wealthy to travel this road. And yet many people of wealth are choosing it because it's so fine. You may make the journey in any one of Buick's four Straight Eights listing from $1025 to $2035.

Only those who follow the road know its joys. The thrill of masterly performance, of riding luxury, of day-in-and-day-out dependability comes with actual possession of a new Buick with its Valve-in-Head Straight Eight Engine, Silent-Shift Syncro-Mesh Transmission and Insulated Body by Fisher. But you can judge how wonderful the road must be by the great number of motorists who travel it.

Over 700,000 more men and women are driving Buicks today than any other car of Buick's price or higher.

More than eighty-eight per cent of these owners—almost nine out of every ten—have bought Buicks again and again over a long period, clinging happily to the Buick road.

It has to be a great road to attract and hold so many discriminating motorists, year after year—now, doesn't it?

We who build this car, your Buick dealer, and the great body of men and women who give Buick such decisive preference, all invite you: Come, travel the long fine road of Buick ownership.

The new Buick Straight Eights, in four series and four price ranges, are offered in 22 luxurious models, priced from $1025 to $2035, f. o. b. Flint, Michigan.

When better automobiles are built, Buick will build them.
There is much more than price per roll to be considered when you select your Fall wall coverings.

Will the material fade, crack or peel? Is it waterproof? Can it be cleaned without injuring the color? Is it really durable? Sanitas meets all of these tests.

And, when your walls are Sanitas covered, they will have lasting beauty that withstands washing with warm water and soap. Sanitas can be cleaned as easily as painted woodwork.

Aside from its decorative value, Sanitas should be considered as a protective wall fabric. It actually strengthens old cracked walls and ceilings. The tensile strength of Sanitas prevents cracks from breaking through the surface of Sanitas. Protect your wall decorating investment by insisting on Sanitas.

Your decorator can show you the latest Sanitas Sample Books containing styles for every room in the house. If he cannot supply you, write us for samples, booklet and name of a decorator who can serve you.

The Standard Textile Products Co.,
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Write for this free booklet and samples

Booklet contains helpful decorating suggestions

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NEW NASH

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SYNCHRO SAFETY SHIFT PLUS SILENT SECOND "SILENCE" ENGINEERING

SOUND-PROOFED BODIES AND SOUND-PROOFED CHASSIS

AND OTHER NEW ESSENTIALS OF LUXURIOUS MOTORING

Listen to the Nash Parade of Progress and Max Bendix, Official Bandmaster of the Chicago 1933 World's Fair, and his Band. Coast-to-Coast, Tuesday Evenings over NBC Network, 9:00 Eastern Daylight Saving Time
CONSIDER, for instance, this unusually attractive taproom in the New Jersey home of Mr. William McD. Partridge. Its mellow beauty is the combined achievement of Francis A. Nelson, New York architect, and A. Kimbel & Son, New York decorators.

This taproom was selected by House & Garden as an excellent example of the transformation a really fine decorator and architect can accomplish by "face-lifting" a world-weary cellar. Other striking examples in the same series of reclaimed cellars were the work of Thedlow, decorator, Alice Pierce, painter of murals, Frank J. Forster, architect, and Howard & Frenaye, architects.

You will notice too that in captions (like that at the right) and in full length articles, House & Garden gives exact descriptions of materials, colors, etc. It is a magazine of definite information. It eliminates guesswork and doubt.

Architects and decorators the country over turn to House & Garden to see what the leaders of their professions are doing. They frequently use House & Garden as suggestion for their own work and encourage clients to select from its pages building and decorating ideas they wish to have adapted to their individual needs.

The reader who makes a hobby of his home finds House & Garden a continuous stream of inspiration and usable ideas which will invest his home with distinctive charm.

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The heating of your home plays a major part in your health. Today, science teaches us that more should be sought than just comfort, convenience and modernism.

The air in your home must be constantly circulated and revitalized. It must be of correct density and contain the right degree of healthful moisture, the result . . . invigoration instead of drowsiness.

Have you ever visited a home where everyone began to yawn before three "rubbers" were played? It may have been because the air was too dry . . . deritized, as is often the case when the usual heating system is employed.

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Silvery beauty and 31% more work space

NEVER let anyone tell you that only Industry has efficient equipment. Look at the new Monel Metal sinks! And never let anyone tell you efficient equipment can't be beautiful as well. Look at the new Monel Metal sinks!

One-piece design, standardized production and Monel Metal have upset old standards of kitchen sink efficiency—of sink beauty, too.

The new Monel Metal kitchen sinks offer the very advantages women have always wanted most. Silvery beauty that harmonizes with every color scheme... chip and crack-proof surfaces that won't lose their good looks... cleanability... corrosion-resistance... freedom from rust... and all the other points of superiority that Monel Metal has always meant.

But in the new one-piece sinks, women find new features which simplify efficient housekeeping. No seams, crevices or joints... round, easily cleaned corners... noise-killing insulation... and to make the best use of small kitchens, the new Monel Metal sinks give 31% more working surface without increasing the floor space requirement.

But the biggest news of all comes next: These new Monel Metal sinks are so reasonably priced that average homes can now afford them. Your local plumber already has full information about the new Monel Metal sinks. If he can't yet supply you, send us his name and address. Use the coupon.

THE INTERNATIONAL NICKEL COMPANY, INC.
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Monel Metal is a registered trade mark applied to a technically neutral-nickel-copper alloy of high nickel content. Monel Metal is nickel, hardwelded, refined, rolled and marketed solely by International Nickel.

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Gentlemen: Please send me the booklet described below:

1. Illustrated booklet describing new Monel Metal sinks
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MONEL METAL
MODERN AS TOMORROW
"Most modern of roofs—yet with the character and beauty that once came only with the years..."
writes Lurelle Guild of Salem Roofs

RESTRAINT is the keynote of Early American architecture. Any detail that is obvious disturbs an effect that should be quiet and unobtrusive. All too often a new roof is the interrupting element.

A roof of Salem Shingles, on the other hand, is new only in so far as it is modern. Its appearance has the hand-hewn, weathered authenticity of roofs laid generations ago. At the same time modern science has added the qualities which make it fireproof and everlasting.

If your house is Early American, you will be particularly interested in the soft New England grays of Salem Shingles. They were designed by a famous architect to blend harmoniously with house and setting—without waiting for the years to soften them into beauty. For other periods and types of architecture there are Salem Shingles in warm browns, greens and reds.

As all Salem Shingles are made of asbestos fibres and Portland cement combined under pressure, a Salem Roof protects your home from one of the most common causes of loss. (23% of residential fires start on inflammable roofs.)

Your architect will assist you in selecting the Salem Roof for your home... or write to Architectural Service, Johns-Manville, Madison Ave. at 41st St., N.Y.C.

Johns-Manville Salem Roofs
Cool and Comfortable INSIDE

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INSULATION plus FIREPROOFING

... at no extra cost in this economical insulation board

Here is a truly remarkable building material: an insulating board that not only provides insulation from summer heat and winter cold, but in addition, gives extra protection from the ever-present fire menace. Thermax turns back fire as easily as heat. It is the only fireproofing insulation board or building unit.

Made of treated wood and minerals, Thermax possesses all the desirable features of an ideal building material: It has lightness with structural strength; it is vermin-proof, odorless, permanent, and can be sawed and nailed like wood. Sufficient thickness to assure positive insulation can be obtained in a single layer of Thermax—yet Thermax is surprisingly low in cost.

Ask your architect to specify Thermax. Full information will be gladly sent to you on request—use the coupon below. Address Thermax Corporation, 226 N. La Salle St., Chicago, Ill.

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1. Insulation: Thermax combines real insulation with fireproofing; qualifications possessed by no other insulation board.

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FURNISHED APARTMENTS MAY NOW BE PRE-VIEWED

Three completely furnished floors, now on view at the Waldorf-Astoria, illustrate an innovation in New York living. They present a series of beautiful homes, done by world-famous decorators. Each has its own individuality... each has privacy... yet no financial investment or personal responsibility. A lease, or, if you prefer, an arrangement terminable at will. Rentals in scale with present-day ideas. The Waldorf-Astoria will open October 1, 1931... Park to Lexington... 49th to 50th... New York. Information office, corner Park and Fiftieth, ELdorado 5-3000.

THE WALDORF-ASTORIA
Six new sport models

styled in the modern manner

The vogue for using the Chevrolet Six as a personal car is particularly noticeable in those sections where standards of living are above the average. At the country club—the fashionable resort—or in the quiet atmosphere of fine homes—Chevrolet is unusually well represented. Six very logical reasons for this are presented at the right. Chevrolet's new sport models, styled in the modern manner. A certain casual air of quality has been captured in the lines of these cars—a nice balance of smartness and simplicity, which good taste always approves. The low streamline treatment has been carried out cleanly and effectively. The rich color-tones are enlivened with the sparkle of chrome plate, with the flash of de luxe wire wheels. Interiors, too, not only make allowance for the comfort and convenience of driver and all passengers, but reveal many novel and interesting smart-effects. Like all 14 other Chevrolet body-types, these sport models are available in a wide choice of color harmonies, to suit the individual fancy. Each, being a Six, gives the multi-cylinder performance to which two- and three-car owners are accustomed. Each is a car that fits very naturally into the environment of those who live well.

How to make
WINDOWS MORE BEAUTIFUL

...and at the same time
gain perfect control of
light and ventilation

In the finer homes all over America
WESTERN Venetian Blinds in COLOR
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By deflecting sunlight upward WESTERNs
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decorations. They eliminate glare and
annoying patches of sunlight. They insure
complete privacy without obstructing the
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WESTERNs control ventilation by turning
air to the ceiling. Thus they elimi-
nate drafts, dangerous to health.
In summer they shut out heat,
in winter retain warmth.

WESTERNs are designed to
fit any size and shape of window
—are easily installed and are
fully guaranteed. Operated by
the exclusive worm gear tilt, they
are very easy to adjust.

You’ll want them, of course.
So phone for estimator if you
live in any of the 61 cities listed
below. Or send coupon for
FREE BOOKLET that gives
further information. Do it NOW!

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Send me your FREE BOOKLET telling me more about WESTERN Venetian Blinds.
DINING out-of-doors stimulates the imagination as well as the appetite. Individuality in table settings is encouraged by the informal character of meals of this kind and the more fanciful the scheme, the better. In the shops one finds many gay and colorful accessory designs designed expressly for this purpose, to inspire and abet the clever hostess.

The group above is suggested for a rustic supper for four people set under the open sky. The table is laid with a cloth of rough Basque linen, whose simple plaid design in bright green and red establishes the color scheme. This cloth and napkins may be had from Moseé, Inc., 750 Fifth Avenue, New York. The price of the set is $6.50. Illumination is provided by 10½ candleabra, 21 inches tall, finished in brilliant red paint which accents the red of the plaid cloth. Stray evening breezes cannot snuff out the small flames, for each candle is protected by a globe of clear glass. These interesting lights, imported from Germany, are $12.50 each. The Three New Yorkers, affiliated with Hammacher, Schlemmer, 145 East 57th Street, New York.

The pottery is of Italian origin, imported by Carbone. Amusing scenes of the Mediterranean seaside have been carried out in vivid reds, blues, amber and yellow green on the sparkling white surfaces. These gay pictures depict native, cone-shaped mountains as background for small sailing-boats and in the shade of chubby pine trees young men lounge beside the water. From the Mayhew Shop, 603 Madison Ave., New York.

FOR serving drinks in the garden, a commodious tray that is divided into a number of sections of various sizes is almost indispensable. Glasses cannot skid about disconcertingly whenever the tray is moved if they are confined within a compartment of their own. This virtue as well as its extremely smart appearance make the tray illustrated above exceptionally desirable. It is of convenient size, 25 x 12½ inches, and the bottom is protected from the effects of possible moisture by glass. Should it be necessary to use the area of the tray as a whole, the partitions can be removed. This tray and the relish dish at its right are part of a set done in green and white strawcloth woven to simulate tweed. Bindings and the handle of the dish are dark green. The tray is $9, the small dish $5. In the lower right hand corner of the tray a cigarette container and match box may be seen which are also part of the ensemble. $2.50. From the Vab Shop, 771 Madison Ave., New York. Paper plates, forks and spoons from Demmon, Inc.

NO summer picnic, especially at the beach, is successful without a cooling drink of some kind. The most difficult problem in this case is the matter of carrying and keeping ice. Illustrated below is one type of cold drink insurance—a thermos for ice cubes. Done in a smart finish to resemble mahogany, this is easily carried by means of a strong attached metal handle. Another convenient feature is the ice tongs hung on one side of the container by means of which each cube is transported safely into its destined glass. The gadget which lies in front of the thermos is an ingenious device which combines the services of corkscrew, bottle opener, spoon and measuring cup. This is made of a white metal. The price of this indispensable picnic accessory is $2.75. The thermos costs $18. The Settlement Box and Apron Shop, 760 Madison Avenue.

For more formal dining on the porch or pent-house terrace there is a complete dining set made of wrought iron. The serving table is made to fit into a corner of the wall and has several places for pots of growing ivy or other decorative plants. The dining table has a glass top and a framework underneath from which other colorful plants may be suspended. The set is painted a bright red which is a perfect foil for the green tones of the plants. L. D. Ford, 16 E. 54th St., New York.
the conifers of Maine woods is reflected in this pine tree table umbrella. The coolness of Maine woods is reflected in this pine tree table with the design in green on crystal. 12.00 a dozen and black, line the banded tumbler, dozen, ribbons of color, ornate, green reflected in this pine tree table umbrella.

FIND THE LGNTS EXACTLY THOSE THEY ARE UNUSUALLY SMART. 0.99 a dozen at five shops or direct.

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**WOODEN "STAR CHILD" BANK**
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Prices include postage.

**RENA ROSENTHAL**
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New York

**THE GRACEFUL FLOWER STAND ABOVE**
THE graceful flower stand above could be used in many places to accent a decorative scheme. Its height is 51 inches and the flower pots are 5½ inches tall. Either a silver or pewter finish may be had, as desired. Pots come in green, blue, rose and black. With pots the price is $4.50. It can be conveniently carried as it fits easily into a case measuring only 32 x 2½ inches. It is strongly constructed of heavy canvas on a metal frame which is completely rust-proof. The striped pattern comes in green, yellow and brown. $2.50. Lewis & Conger, 6th Ave., at 45th Street, New York.

**PHOTOGRAPH**

**SOMETHING NEW**

SOMETHING new in the way of garden furniture is a bench whose seat is always clean and dry. Of graceful and simple design, the unique and very practical feature of this garden settee is a double seat.

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To create an entirely new atmosphere about your house... to give an effect of newness and charm... you need but a love of color and variety, and the friendly guidance of House & Garden’s Book of Color Schemes.

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Here are practical suggestions for combining colors... for suitings colors to every type of room, from the Italian Renaissance style to the ultra-modern... for totally transforming a small room to a large room, a dark room to a light room, a well arranged but austere room to a welcoming place of enchanting beauty—and all with use of color!

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**BOOK OF COLOR SCHEMES : $5 NET**

THE CONDE NAST PUBLICATIONS, INC.
WHEN TELEPHONES SOUND LIKE MACHINE GUNS!

Do you find your mind wandering afar while the treasurer is restating the bill, or perhaps the sad, tale of the monthly audit? Did the last report of the President of your Club inspire you with a strong desire to scream? Is the stately vista at Park Avenue, or perhaps the tidy trimmings of Enchil Boulevard, beginning to look like a last year’s movie?

Are you beginning to feel that a money-made, machine civilization has obliterated the citizens of a serene world by the river’s bed? Are you a bit fed up with Production, Protection, Progress and Proteus? Perhaps it’s time to shift the scenery on the stage of your life. In such cases the best physicians, from Pythagoras to Odlum, have always recommended that changed-everything . . . travel.

Well, you now have in your hands an open Sesame to a new ending world’s Fair of conditioned Pulmonians and snowed decks ready to bear you around the globe at a pace that Jules Verne would have envied. Let the wind in pine or palm blow the last cobweb from your forehead, and we will see that you get descriptive literature, Ad, A-B, New Jersey, Travel Advertising Department, 1939 Graybar Building, Lexington at 43rd, New York. Oh yes, you might mention House & Garden in writing its travel advertisers.

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Brook Forest Inn. A chance in the Berkshires, open April to November. A perfect spot for Boating and tennis.

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Mahone Hotel. A distinctive house, catering to a refined clientele. Excellent cuisine. Ideal location with all resort sports.

Berne


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Hotel Lorraine. At North Barrington College. Excellent cuisine. Excellent service. North Barrington College.


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Courteous Japan crosses the Pacific to give you cordial greeting...at the gang-plank of the magnificent new N.Y. K. motor liners...the fastest and finest between the U.S. and the Orient. As your ship heads for the broad Pacific you have already crossed the hospitable threshold of the Mikado's Empire...because you enjoy the atmosphere of Japan from the start. N.Y. K. ships will give you a running start for the complete enjoyment of your visit to the kingdom of cherry blossoms and chrysanthemums. And 14 days, going and coming, add almost a month to your visit with Japan.

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dogs but will suggest reliable ken­

nels. Courtesy of Sieve Farm Kennels

READER QUESTIONS

In purchasing a good Pointer puppy, what are some of the physical char­

acteristics to look for in this breed? 

E. G.

The points to look for in the selec­

tion of Pointer puppies at four months are: great length of head, a 

square muzzle, a decided stop, rather 

narrow skull, a short, round body, a 

straight, short tail, deep chest, plenty 

of bone, straight forelegs, and short, 

strong feet.

Here shall I go about registering 

my dog, and what papers are required? 

K. L. MCM.

If your dog is a thoroughbred, 

you should have received at the time 

of purchase from the seller of the dog 

a printed form issued by the Amer­

ican Kennel Club, called a registra­

tion paper, showing among other things 

the dog's pedigree, the A. K. C. numbers 

of the sire and dam, and the original 

signatures of the breeder of your dog 

and the owner of the sire. This paper 

should be signed by you, as owner of 

the dog, and should then be forwarded 

to the American Kennel Club at 221 

Fourth Avenue, New York City, with 

the registration fee of $2.00.

Can you give me some information 

on the infection of dogs to pre­

vent rabies, and inoculation against 

distemper? 

O. A. K.

It is generally believed that the pre­

ventive treatment against rabies has 

some value. Whether or not it is given 

after or before the preventive treat­

ment against distemper is immaterial.

The latter also is considered by a 

good many to have definite value, 

whether use is made of the American 

method or the Laidlaw-Dunkin. Both 

should be administered by experienced veterin­

arians.

Haw can I prevent my dog from 

chasing after the automobiles which 

pass in front of my house? 

L. R.

Of course, no puppy should ever be 

permitted to start this habit. He 

will gladly be answered by The 

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AND OUR ANSWERS

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Scottish Setters possess the personality and character that make their 

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Scottie puppies and breed 

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Also a few high class 

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will gladly be answered by The Dog Mart of House & Garden.
Keep Them
Happy and
SAFE

Do you want to protect them from traf-

cide and other dangers—you without

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Here’s a convenient way to do it—

“Buffalo” Portable Fencing

Not only will all—everyone can do it in a few minutes time. You

simply push the component sections of this sturdy fencing into the ground

and you (or dogs) can it up the ends together.

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in manner and steady

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colored of various ages in

both sexes.

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or Afield

The Cocker Spaniel’s

infinite qualities win him ad-

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A sporting dog by nature, he is
easily trained to hunt game quickly and to

perform obediently under the gun. However, one need

not be an active sportsman to appreciate him, for he is a house

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Many fine pups reasonables

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Four imported Bir-

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We have them in all ages and sizes. We guarantee

our dogs against death from disease for ele-


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MARDALE MINIATURE SCHNAUZERS

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Dogs can be seen all year around.

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Skippack Pike, Elsey Station, Penna.


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Those that can afford the price

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As for the rest—"Irwin" the

Puppies

$250 up

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Several choice specimens,

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family dog.新建 to

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For Dogs, Cats, or Birds

Any kind of family pet

can be had. The

more you purchase the

less you pay, and vice

versa. All dogs, cats or

birds are fully vaccined

and packed with health

papers. All dogs are

in full health.

You never look back until you buy a 'Kill every fox or any dog or rat
How can I keep my dog free from fleas during the summer months?

M. S. P.

Such a thing is practically impossible; although the fleas can be kept to a minimum by using any one of the flea powders advertised in The Dog Mart. Absolute cleanliness should be observed in and around the dog's sleeping quarters and an occasional bath with a later application of the flea powder will be found very effective. Daily grooming with a comb and brush suitable to your particular dog's coat will also tend to discourage the presence of fleas. Incidentally, people who are living where the soil about the house is sandy will find it very difficult to keep their dogs free from fleas. The flea seems to find a sandy soil very hospitable.

Whenever we take our dog out in an automobile he becomes car-sick almost immediately. Is there any way to prevent this?

In all probability, if your dog is a puppy, he will outgrow this condition, which is generally present with all young dogs, but you can assist him in each instance by not feeding him prior to taking him out in the car, and further, by having plenty of fresh air in the car while he is in it. If he is a grown dog, you may prevent this condition, or eventually eliminate it, by the internal administration of sodium bromide, 2 to 5 grains about an hour and a half before taking the ride. Sometimes it is necessary to give another dose just before leaving. This treatment, of course, is not infallible, and will not help all dogs.

There are certain times during a puppy's life when he should be wormed regardless of his condition, or it is necessary only to worm him when he seems to show signs of needing it?

W. DeL.

Generally speaking, a puppy should be wormed when it is six weeks old, and again at three months—for round worms. After that, worming depends on the condition of the particular dog. This can only be determined definitely by an experienced veterinarian.

There are four kinds of worms—round and hook worms, tape worms, and whip worms—and there is a particular remedy for each of the four operations. There is no one remedy that will serve to eliminate all four kinds. You will find several adver­tisers of worm remedies in The Dog Mart.

I recently saw a Collie with blue spots, claimed to be thoroughbred, which surprised me very much. Is this a characteristic of a thoroughbred dog of this breed?

H. J. H.

Yes. A Collie of this type is known as a blue merle. The colors in Collies are sable and white, tri-color, and blue merle. There are also white Collies in this country, but the number of them is small.

A dog's home is his castle

Every one who has a dog ought to support him in the manner to which he'd like to be accustomed. Here's a neat little home for Boswer, with everything but a fireplace and a mortgage. It has a correct ventilating system, and the walls and roof are detachable for cleaning. Size, 2'5 x 4'2 ft. 100¢ with partition; $20 without. Send for Hodgson booklet Y-3. It shows many types at different prices; also lawn and garden equipment, greenhouses, bird houses, poultry houses, arbors, etc.

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If the property you want to sell, or lease, is the kind of property that would appeal to the discriminating taste of the readers of House & Garden, then obviously, the place to advertise it is in these pages. It will meet the eyes of thousands of prospects who will appreciate its fineness. Advertising rates will be furnished you, or your agent, promptly upon application to House & Garden, 1930, Graybar Bldg., Lexington at 43rd, New York City.

Again we say — In this year 1931 your dollars will buy more sound Real Estate values than they have ever bought for years past, or will for years to come, in all probability. So we repeat what we have been saying ever since January: “Take advantage of rock-bottom prices . . . Buy Now . . . Build Now . . . Act Now.” We will be glad to help in any way we can, if you will tell us about your Real Estate problems.

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private 25 acres cleared and wooded land, high elevation, with an old farm house (and
hath) ample space for year-round living. If you have
real estate prospects. If you have
and fine architecture, logical 
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house of brick and stone, containing 8 rooms
and 3 baths with 2-year garage.
Was $7,310—Now $5,200.
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Equity of over $100,000.
In a strictly modern elevator
apartment house excellently
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a most exclusive section of Phila-
delphia's beautiful suburbs.

In exchange for
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Give full details relating to property you
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BUFFALO, NEW YORK
MAKERS OF FINE WALLPAPER FOR NEARLY 100 YEARS
AUGUST, 1931

AUGUST brings to the countryside an odd sense of pause that all but defies analysis. The tides of spring and early summer have reached their fulness, and in that unbelievable interval before they change to the slow ebb of autumn there settles upon garden and field and woodland a noonday stillness. It is as though the armies of the seasons were at ease, arms stacked and packs unslung. The armistice of Nature has been signed.

Yet it is only for a week, a fortnight, that the pause endures. Invisible forces are at work, hastening the ripening of the harvests, swelling the vibrant chorus of the insect hosts between dusk and midnight. Here and there the roadside Maples show a sheaf of reddened leaves. Soon the first katydid will rasp his warning—"six weeks to frost", the country saying is—and another summer will have come and gone.
BON VOYAGE

Let Salmagundi say it

There's no collection of chocolates more varied and satisfying. There's no package more adapted to travel, by land, sea or air . . . than Salmagundi in its delightful metal box.

Salmagundi will say for you “Bon Voyage, good cheer, the best of everything, and safe return!”

This beautiful package, with its Parisian princess by Mucha, is a delight at home or abroad.

Sold by Whitman agents everywhere.

Whitman's Chocolates

ANY WHITMAN AGENCY WILL MAIL DIRECT TO THE BOAT
AUGUST, 1931

THE

BULLETIN BOARD

ADVICE FOR CHILDREN. Charles Joseph, Prince de Ligne, who sustained his life worthily between the years 1735 and 1814, once wrote this suggestion to parents:

"Fathers, instil into your children the garden-mania. They will grow up the better for it. Let other arts be only studied to heighten the beauty of the one I advocate. Engage in planning how to shade a glen, or in contriving how to divert the course of a stream, one is too busy ever to become a dangerous citizen, an intriguing general, or a caballing courtier. If such a man had designs to write against the laws, to lay his grievances before the ministry of war, to overthrow a superior, or hatch plots at court, he would arrive too late, for his head would be full of his Judaea trees, or his flower borders, or with the ordering of his grove of Plane trees..."

PERFECTION IN REPRODUCTIONS. There was a time when the furniture world suffered from the unbridled desire of designers to "improve" our ancient documents, when, in reproducing an excellent historic chair or table, they put their own "interpretations" on it. Those days are passed. There never was a time when such good reproductions were available—good in the original document, pure in the copying and faithful in workmanship. Consequently one need no longer have reason for bemoaning in home building we can now add the chassis bathroom and the welded frame, both for instruction and inspiration.

THE CABIN. What is this fragrant home of ours beneath the Pine that starward towers?

"A place with nooks wherein to nest," Flutes robin of the ruddy breast,

"A place," the snuggly squirrels hold, "Of snug retreat from winter cold." A mystery whereat to peer
And bound away from?" snorts the dear.

To our returning hearts it seems a port for caravels of dreams,
A magic bower of calm release Where burdens fail and troubles cease,
A shrine below a mountain spurn, A sanctuary built of fir
With door flung wide to wind and sun. And, when the happy day is done,
A casket stowed with love and light Enwrapped in velvet vasts of night.

—Arthur Gutierrez

BUILD NOW. Lifting our heads above the mountain of correspondence attracted by "House & Garden's Build Now Campaign," we can report great progress. Letters by the hundreds from all sections of the country and from all building trades, professions, and organizations convince us that a major movement has been begun.

But even more startling is the response to the editorial in the July issue in which it was suggested that we junk worthless houses just as we discard out-of-date machines and worthless motor cars. Apparently it was a brand new idea; apparently no one had hitherto ventured to suggest such a drastic solution, not only to this current building depression but to building at all times.

How seasonable it is! Worthless machinery slowly works up production and turns out a poorer article. Worthless automobiles are a menace to the traffic of our highways. Worthless tenements and houses are a danger to public health. Why not tear them down and erect better ones in their place?


TREES FOR GEORGE WASHINGTON. One of the wickedest yarns ever related about a man is that foolish legend of George Washington and the Cherry Tree. Old Parson Weems appears to have invented it. Catching popular fancy, it has become imbedded in the lore of the country, and countless children are fed the story for Gospel truth. Perhaps nothing could more surely raise up a race of splendid little prevaricators.

However, since we have been repeating this legend year after year, the time has now come to make some amends to the memory of George Washington. In 1732 we will be celebrating his bicentennial and it has been suggested that we all plant trees in his memory. Excellent thought! There are even available some Elms propagated from the tree under which Washington took command of the army in Cambridge, Mass., on July 3rd, 1775. Make the planting of such a tree a family occasion next fall. The children who have been subjected to the Cherry tree legend should take a big part in the event.

THE WELDED HOUSE. To the wonders that have been accomplished in home building we can now add the chassis bathroom and the welded house. As its name implies the bathroom is made up as a unit and fitted into the structure; its fixtures have been stylized into a decorative ensemble. Apparently, you order Bathroom #417—and that's all there is to it.

The welded house evidently plans to out-Solomon Solomon Temple's, about which it has been said that in the building thereof the sound of a hammer was never heard. The steel frame of this house is electrically welded and the interior partitions made of steel panels. Steel mesh is used for plaster base, the windows are steel casements and over the skeleton of stringers. Architecturally the house is no different from houses of the same design.

NOTE THAT: The index for the first six months of 1931 House & Garden is now available for those who wish to bind their copies. This may be had for the asking. . . . The method of printing by which pages 45, 46, 47 and 48 of this issue are so beautifully presented is called Duplex and is in use of those section of the Comité Press. . . . The artists who drew the color pages in this number are Laurence Guettodh of Chicago, for the Kitchens, and Robert McQuinn of New York for the "House That Grows" . . . In September we will show, in color, additional rooms of this house.
Linoleum blossoms bravely forth in paint to capture the distinction of parquetry.

BRILLIANTLY painted by Robert Locher to simulate wood inlay, this linoleum floor repeats the distinction of the fine boiseries background. The New York apartment of Bertrand L. Taylor, Jr., Jones & Erwin, decorators.
and Italian house, as well as into the ordinary bathroom and kitchen. Tiles, lovely in color and design into the Spanish room.

There is no dishonesty in using an imitative finish when it is a supplement rather than a substitute for the real material. There are many decoration problems which can be more satisfactorily met with a simulated finish than with the actual material imitated. In the small, informal house, the problem of expense, for one thing, can be overcome in this way. The informal character of a room is often better expressed by an imitative finish than by the original material. This is especially true of marble, a marbledized effect being frequently more in keeping with the character of a room than real marble would be.

Graining, especially on plaster, is used when it is desirable from a decorative standpoint to match plaster walls with woodwork or wood furnishings. There is a very successful example of this in a New York apartment where the plaster walls of an entrance hall were painted in the manner of faux bois to imitate the finish on a pair of Adam pedestals made of pickled pine. In the same apartment, a beautiful design was painted on the floor of an entrance hall to simulate various wood inlays and veneers in the Adam style. Graining on wood is employed when it is impractical or too expensive to obtain the same decorative effect with natural wood, or when additions must be made to match the original woodwork of an existing room.

If old furniture is to be used in a house, often the woodwork is softened with an antique finish which simulates the effect of age to correspond with the mellow wood pieces. Used discretely, such a finish lends a soft and gracious quality to a room.

Tile effects obtained with stencils and paint offer one of the most attractive and satisfactory means of introducing appropriate color and design into the Spanish and Italian house, as well as into the ordinary bathroom and kitchen. Tiles, lovely and desirable as they are, are not only expensive but their installation is often impractical unless they are laid when a house is built.

Although tiled and painted surfaces are somewhat different in texture, their general appearance is the same. Therefore a painted stencil design to simulate tile may be used instead of actual tile in instances where the effect is the important thing.

One of the most effective of the various imitative paint finishes is marbleizing. The entire wood trim of a room, or the various wall spaces may be marbleized. Usually the use of this finish is more restricted, it being a frequent means of finishing a dado and framing a fireplace. The method which is followed for accomplishing this finish is quite simple. A piece of real marble is copied for veining and color. As there are thirty or forty kinds of marble to imitate, the color range is sufficiently wide to harmonize with any scheme of decoration.

If a piece of ordinary black and white marble is to be simulated, the wood surface is first properly prepared and a coat of flat white paint applied. When this dries, it is sandpapered smooth and a coat of white paste paint, mixed with three parts of oil and one of turpentine, is put on. While this is still wet, a small ox-hair pencil is dipped in lamplblack ground in oil and the veins traced in the wet white paint, in imitation of the veins on the marble which is being copied. With a badger blender, the black and white are blended together lightly until the lines are very faint. Pink or tan veinsings on a green ground as well as dark gray or black on a light gray ground give some idea of the diversified color combinations which a marbleized finish offers.

When woodwork is antiqued, the antique finish is generally put on over a painted or enameled finish. A clear glazing liquid is applied and before it has dried, a semi-transparent color may be mixed with the stain, such as raw or burnt umber, sienna or chrome green. While the stain coat is still wet, it is stippled with a calcimine brush, drawing the brush down while stippling. Then a whisk broom is drawn from top to bottom with a wavy stroke here and there to give the appearance of a natural wood grain.

When woodwork is antiqued, the antique finish is generally put on over a painted or enameled finish. A clear glazing liquid is applied and before it has dried, a semi-transparent color of a darker shade than the ground color is put on in irregular spots. Raw umber or a mixture of raw and burnt umber is generally used. This is blended with cheesecloth. The work is done in small sections so that the glazing liquid will not have time to set before the blending is done.

Colors for stenciling to obtain a tile effect are generally semi-transparent. Stencil paint may be either a tube glazing color or ordinary house paint which has been thinned to the consistency of cream with a glazing liquid. The stencil is fastened to the wall with glue size and the design pounded through the cut-out with a stencil brush dipped in the paint. The brush is used like a hammer, not stroked back and forth. When the design has been filled in, the stencil is pulled straight away from the wall to avoid smearing. The result will be surprisingly realistic if tile designs and tile colors are chosen for the stencil and the work is skillfully managed.

Using paint to simulate stone, marble, wood and tiled effects - By Bertha Anne Houck
Walls are not what they seem when paint artfully imitates a more luxurious finish.

Tiled effects, which may be simulated by means of stencils and paint, are particularly appropriate for houses in the South and West. Above is a splendid example of a tiled wall achieved with paint in a house in California. Gordon Kaufmann, architect.
ARCHITECTURAL MOTIFS: Deep chocolate color of walls above is relieved by woodwork and classic columns which are painted in a grayish white. These columns show an interesting use of paint to give an architectural effect. The furniture here is in beige satin and the curtains are a lighter beige tone. The decorations are by Walter Johnson, Inc.

MARBLEIZING: One of the most effective of the various imitative paint finishes, marbleizing suggests formality and gives dignity to a room. In the hallway at the left murals alternate with panels marbleized antique white with blue-green veinings. The woodwork is marbleized dark blue-green with white. John Haniff was the decorator.
PLASTER DECORATION: (Above) This bedroom has white walls painted in the 18th Century Italian manner to simulate plaster decoration. Panels are bordered by pink bands and rococo decorations in white.

PINE GRAINING: At the upper left is a section of a finely grained pine wall. This is less expensive than wood paneling and when well done creates the illusion of an old pine room. Helen O. Irwin, decorator.

WALNUT GRAINING: Wood graining with paint on plaster appears at the left where the background resembles walnut paneling, with Grinling Gibbons decorations picked out in gold. J. C. Demarest, decorator.

PAINTED DRAPERY: Opposite is a Directoire room in the Long Island home of Gerhard M. Dahl. Painted ivory drapery over powder blue wall. Carpet is blue, curtains vermilion. Margery Sill Wickware, decorator.
A red, white and blue room with painted drapery
Meet the emergency of these times by spending on the home until it hurts

The air is filled with talk of moratoriums. Late in June President Hoover suggested, as a means of lightening the economic burdens that weighed down the world, a year's suspension in the payment of war debts, indemnities and reparations between nations. The effect of this suggestion on the world was electric. Nations began to see a break in the dark clouds. Peoples everywhere were strengthened by a new hope. The benefits that will follow have still to be reaped. Among those benefits, perhaps, will be a widening of this moratorium idea. There are countless burdens which we can lay down for a year—and none of us be the poorer. For the purpose of a moratorium is to lighten burdens all the way 'round.

First let us lay a rigid moratorium on the use of the words, "We can't afford it." Then let us lay another on the words, "Some day, maybe, but not now." Having eased our vocabularies of those two burdens, we will be ready to start constructive action.

During the past two years the American home has staggered under the weight of these expressions. They have brought the vast industry of building to a standstill. They have almost reduced the furnishing and decorating of homes to the acquiring of worthless junk and they have let weeds grow up in gardens. They have gradually smothered incentive. They have reduced standards of taste. Should the spirit they express continue much longer, much of the splendid heights to which the home has climbed since the dark days of the General Grant era will be lost.

Progress in a home is marked in many ways. Maintenance is one, improvements another.

Maintenance may mean a new coat of paint on the house or new curtains and rugs to replace those that show signs of wear or just the cutting of lawns and the keeping of shrubbery in good health. But maintenance means even more than these: it means keeping abreast of the taste of forward-looking people. It indicates a determination not to be satisfied with the shoddy product, the product poorly designed or in bad taste, or even its existence, has been turned to the improvement and maintenance of the home. House & Garden is lending its energies to the "Build Now" and "Buy Now" campaigns as focussed on "The House That Grows". And from the support we are receiving, "The House That Grows" promises to be a decisive factor in lifting the burdens of these difficult times.

Richardson Wright
This solid paneled shutters on the home of C. Dudley Armstrong, at Lancaster, Pa., are a type native to that part of Pennsylvania and are eloquently expressive of the local Colonial architecture. Painted white, they are set against a cream plaster wall. The architect was Cameron Clark

By even such features as shutters is an architectural vernacular expressed
The use of porcelain and maiolica tiles, ranging from the cheap commercial variety to the most elaborate of the specially designed work, has become extremely popular of late among Italian architects and decorators. Particularly in the homes of Southern Italy do we find that tiles are being used abundantly, not only on terraces and porches, but in kitchens, dining rooms, living rooms and halls.

The Italian tile is to some extent a direct derivation from the mosaic which, both in its simplest and most elaborate form, was extensively used by the wealthy Romans of bygone days. While this mosaic art still has its adepts among the moderns, tiles are naturally easier to manufacture and less expensive to install, at the same time retaining many of the advantages characteristic of their predecessors. In the first place they are very decorative, lasting and easy to clean; they do not fear water splashes and muddy feet; they make rooms look cool and cheerful on the hottest of summer days and their variety in design and color leaves ample room for the initiative and imagination of the home builder and decorator.

This present popularity of tiles seems to closely follow mosaic in geographic distribution. The most up-to-date resorts of antiquity such as Pompeii and Herculaneum had richly designed mosaic floors which gave to the patios in private houses an air of space and dignity, while the bright colors used for these harmonized with the paintings on the walls. Lepcis and Sabratha in Northern Africa found them equally desirable. The Byzantine artists elevated mosaic to the dignity of fine mural decoration, from which the Venetian school of painting may have derived much of its rich and translucent coloring.

Tiles with geometrical designs have been popular in Moorish art for centuries, and even if their use in the past has been limited to bath rooms in the rest of the world, all Mediterranean countries have to a certain extent continued to use the colored varieties on terraces, in entrance halls and in seashore dwellings.

The most recent development is the interest shown by Italian "Moderns" in this form of decoration. Both artists and manufacturers have turned to the tile as a medium for decorative expression, and the variety of types displayed and the many uses for them suggested at the exhibition of decorative art held recently in Monza met with immediate response.

Ship architects and designers of boat clubs were immediately interested in the durability and sturdy quality of this material. Richard Ginori's tiles designed by the Milanese architect, Giovanni Ponti, were used for the floor as well as for the mural decorations of an attractive bar on board the M. V. Saturnia. Nautical symbols appear in the floor and a clock, of which only the hands protrude from the smooth surface, is part of the tile tapestry on one section of the background. In addition, the walls display an illustration of the three great joys of living, "Wine, Women and Song," a warning as to what the abuse of any or all of them may lead to being included in the decorative scheme. Ponti also has some very effective mural tiles which give the illusion of drapery. These are set about a window suggesting curtains without taking any light or space from the room. Other artists display a variety of designs for floors with center pieces made out of assembled tiles, as an interesting substitute for rugs and carpets.

The popularity of old maps in modern interior furnishing has probably inspired the parchment yellow tile maps made by Cantagalli in Florence for mural decoration. In color and design, these greatly resemble the 17th Century models, but modern inventions such as airplanes and ocean liners are included, as well as the traditional sailing boats and dolphins. Very decorative also are the Italian cities series in which the tile pictures easily attain affords the perspective illusion. The Great Hall of the Milan pattern was another attractive product of this form, while some smaller tiles were mounted to serve as trays.

Single large tiles, and pictures made from assembled tiles, are offered as original art works signed by the author and are becoming popular as a substitute to mirrors and pictures in many living rooms. Cantagalli uses bright aluminum frames for some of these specially fine single tiles which are hung like pictures, while Ponti suggests eliminating the frame and setting the tiles into the wall in order not to deprive the room of any space, and to avoid any interruption between the wall and tile. A tile that is set into the wall just above or on the side of the door bell can easily express welcome, hospitality, or may even be used to denote some trade or profession, and is in fact suggested as an attractive variation of the traditional trade emblems.

A modern breakfast room at the exhibition in Monza had as its only mural decoration a large turquoise blue maiolica sunk into the wall above the side board. The figures were in slight relief, and the artist, Mario Gambetta, described it as "The First Picnic." Leaning against a tree, which is more suggestive of a Palm than an Apple, seemingly unconscious of the snake, Adam and Eve are seen reclining.

Like the mosaics of bygone days the glossy surface of tiling gives the illusion of space to a room. Walls seem to recede, floors catch the light and reflect it, making small rooms look larger while the perspective which the tile pictures easily attain affords the varied and fantastic vistas that are demanded by our restless age.
TILES SET IN CUPBOARD DOORS

SUGGESTING SOFT DRAPERY

MODERN MOTIFS OF THE SEA

A LOCKER AT A YACHT CLUB

A GROUP OF GINORI TILES
What I like about this house

An architect crystallizes a client's dreams in this California residence - By Roland E. Coate

self, his wife and two sons. There was to be the usual provision for service.

A cost limitation was imposed, but not emphasized, as a governing factor. On the other hand, the real emphasis he wished placed on factors pleasing to any architect. He specifically desired to obtain a house in harmony with its surroundings; one that would contribute its share of beauty to the community—a house of graciousness, simplicity and hospitality.

From these instructions I began to like the idea of this house, and as time went on it kept right on being the pleasant undertaking that I had visualized.

The house extends along the highway on the outside curve of a winding road through the hills. From both directions the road rises to a crest at the entrance to the property, and the private driveway drops from the road under the covered way into a flagged entrance court. The space between house and street is filled with graceful Pepper trees, and the ground is covered with a carpet of Violets. There is no lawn, all ground coverings being of a type which requires as little care as possible.

The service portion lies along the roadway, and the main living rooms and bedrooms overlook the valley below and open into the patio. As is usual in Californian houses, the patio is the outdoor living room. Onto it opens the living porch, as well as the living and dining rooms. It is an area almost entirely paved with brick and tile, full of the color of potted plants and with a bright ornamental tile pool in the center. Overhead is the gallery that is shown at the bottom of page 46. The lacy ironwork of the railing is painted green and this feature recalls the balconies on Southern houses, particularly those in New Orleans.

Some of the main rooms of the first floor are done with pure white walls and rich, deep red, waxed tile floors, or, as in the case of the living room and the library, with plank floors of oak. The living room is decidedly informal in character, with large beams overhead and a fireplace suggestive of the adobe architecture of the West. This room is furnished in keeping with its architecture. It is essentially a living room for the family and is full of cheerful color.
In order to reduce maintenance, the grounds around the house are either paved or carpeted with a growing ground cover. The paved areas serve for al fresco rooms; as in the glimpse above, they are equipped with sturdy furniture.

Area between house and road is planted with Pepper trees and Violets. A gallery swung on brackets in the Monterey style ranges along this front, giving the roadside façade a picturesque quality characteristic of Mr. Coane's work.
With its living rooms and bedrooms in the main structure facing the view and its service section along the roadside, the Norcross house stands at the peak of a winding trail through the hills. Foliage has been set against its white walls. The tile roof is reddish yellow.

Though the exterior walls of the house are in pure white, this patio view suggests the colorful notes of contrast that can be afforded by antique yellow window trim, gay flowers in pots set around and the sharp definition of light and shade that is made by the deep galleries.
Dining room vista of a sun-drenched patio

FROM THE cool confines of the high-ceilinged, tile-floored dining room of the Norcross house at Los Angeles, one looks out upon a gardened patio alight with reflected sun and Nature's own tropical colorings. Roland E. Coate was the architect and A. E. Hanson, landscape architect.
NEW REFRIGERATOR GLASS: Sketched above are bottles and a commodious mixing bowl of new refrigerator glass which does away with using odd dishes and bottles in the ice box. It is a pale sea-green color, durable and very moderately priced. The bottles have patent tops and the taller in the illustration is ridged on the sides so that several may be stacked together. A wide variety of dishes are made in this glass. Bloomingdale's

MODERN PLAID POTTERY: Plaids continue among the smart notes in decoration and there is nothing gayer in the kitchen, whether it be furnished in the modern or provincial style, than a collection of plaid pottery. Sketched at the right are three pieces of a set—pitcher, tea canister and butter crock of modern German pottery in white decorated with brilliant blue lines. Other pieces may be obtained in this effective design. Macy's

FOR PROVINCIAL KITCHENS: A set of the polka dotted pottery bowls shown at the right will do wonders for a tired kitchen. Big red, brown, yellow and blue dots on white. Bloomingdale's. The table covering is beige oil cloth with plaid and polka dots in green, orange and yellow. This comes by the yard or may be had made into tablecloths scalloped on the edges, as shown. Plaid bowls are apple green and white. From Macy's

EASE IN SHELLING PEAS: No more tedious summer hours need be spent over a brimming panful of peas. With the new device shown at the right peas are shelled speedily and efficiently by machinery. The sheller holds firmly to the table by means of small rubber suction cups. To shell, the pod is dropped into an opening at the top, then the handle turned and out pop the peas firm and unbroken. 6 inches high. From Lewis & Conger

NOT A SLIP IN A SLICE: There is not a chance of the tomato slithering out of hand when one is slicing with the new device shown at the bottom of this page. The fruit fits firmly into a cup of lacquer red or china green; then the seven stainless steel blades, notched along the edges to prevent slipping, slice the tomato evenly and efficiently, the deep dish underneath retaining the precious juice. From Hammerschmiede, Schlemmer

FLOWERS ON STOVES: Further means of keeping the cook in a contented mood are found in the cheerful pots and pans illustrated in the lower right hand corner of this page. These are beige colored enamel decorated with green bands and small orange and green flowers. All the necessary cooking utensils, as well as bread and cake boxes and mixing bowls, are now available in this gay enameled ware. From Bloomingdale's

A GALAXY OF GIMCRACKS: The linen glass towels at right below have center panels in red, burgundy or bright green picturing charmingly designed fruit clusters, jugs and glasses. Mosse. Tools in this group comprise plier for unscrewing stubborn tops of preserve jars, a device for cutting carrots in graceful curls and knife for thin slicing, pronged at top. Macy's. The patent caps seal bottles after they have been opened. Hammacher, Schlemmer

IT GETS ALL THE JUICE: The new fruit juice extractor which is illustrated in the center of the row on the right below squeezes oranges, pineapples, grapefruit or lemons and strains the juice, all in one quick operation. It is very strongly constructed of stainless steel and chromium plated aluminum, is light and easy to clean and may be worked with a minimum of effort. It is from Hammacher, Schlemmer
New accessories assure a smart bathroom
MODERN BATHROOM BOTTLES: Opposite is a collection of bottles in modern and period designs. The striking Jean Luce glass, with engraved triangles and black wooden stoppers, would be smart in a black and white scheme. Les Arts Modernes. To the left is another modern pattern with black glass tops. Other bottles in this row are metallized glass with black stoppers. Bath Shop. Atomizer, for spraying powder, is mauve glass and chromium. Macy's

COLORFUL DESIGNS: Opposite page, lower left. For a chintz-hung bedroom comes a charming bottle sprigged with flowers in brilliant colors. Chintz Shop. The green, black or blue polka dot glass and the Lily-of-the-Valley bottle, in delicate greens and white, are from Macy's. A fish design in blue and green ornaments the remaining bottles. From Alice Marks

FOR THE WHITE SCHEME: The decorative white bottles shown in the center of the opposite page, reminiscent of a Victorian dressing table, are modern German pottery decorated with gold bands and rose-shaped tops slightly tipped with gold. Chintz Shop. Bottles illustrated may be had in various sizes, with powder jars to match

BATH LINENS: New bath mats feature tricolor effects—red, green or blue stripes with black and white. Lord & Taylor. Next is a hand towel of linen damask, peach, blue, yellow, pink or green. McGibbon. The bath towel below is café au lait with border shading from tan to brown. McCutcheon. A pale blue huckaback towel, one of a set of seven pieces, has a shaded border in blues. Grande Maison de Blanc


MORE FISH ON WALLS: As long as there are bathrooms, there will be decorative undersea wall papers. Opposite is a striking design of white fish striped in dark blue and green swimming across a chalky blue sea. Alice Starr. A blue, white and green scheme would be smart with this paper, using white moire shower curtains and white hangings bound in bright blue and green

NEW ACCESSORIES: Further fish notes for the modern bathroom are the new faucets shown at the lower right. These are shaped like dolphins and are chromium plated. Besides the faucets, there is a dolphin hook for the bathroom door. At the top of the page are two hampers, the Victorian design at the left being pale blue with painted white lace border. Modern white flowers enliven the black hamper at the right. Bath Shop
Striking colors enhance the decorative effects in these country bath-dressing rooms

Unlike the period decoration of other rooms on these pages is the powder room above, which has interesting modern notes. The paper has an all-over white motif on a soft apricot ground. The dressing table is hung in white rubberized moire trimmed with wooden ball fringe in apricot. The lamps of chromium with black marble bases have pleated apricot shades; further black notes are in the rubber floor. In the residence of Paul D. Cravath, Locust Valley, L. I. Elsie Cobb Wilson, decorator

THE DIRECTOIRE Directoire dressing room shown at the left is also in the Long Island residence of Paul D. Cravath. Here the walls are covered in an old wall paper with a terra cotta ground and a design in olive green and white, with white marbled dado. An Empire dressing table, Biedermeier side chairs, with seats upholstered in antique gold satin, and a floor of marble composition in terra cotta and dark terracotta achieve a distinctive effect. Bradley Delchastey, architect; Elsie Cobb Wilson, decorator

DRAMATIC black and white notes appear in the decorations of the little dressing room illustrated on the opposite page. The long mirror to the floor decorated with a black border and black stars has a shelf in front forming a dressing table, with a swan-shaped support finished in black and silver. Contrasting with pale blue walls are pilasters, marbled black and white with capitals in silver. To complete the scheme the floor is covered in black and white marbleized linoleum. Decorated by Margery Sill Wickware
At the right is an effective color combination of pinks, brown and white created in a bath-dressing room in the home of Mrs. Carroll R. Aller, Brooklyn, L. I. Walls and woodwork are soft pink with white moldings. The Louis XVI chair is in a white chintz patterned with pink roses and green leaves. The hooked rug, with brown ground and flower design in pinks and greens, is a striking contrast to the walls.

One of the most decorative features of Mrs. Aller's bath room is the swag drapery over the dressing table alcove. Curtains of white taffeta are trimmed with white silk fringe and narrow bands in pinkish-orange. The brown tone is again brought out in the draped dressing table of taffeta with a design of hand-painted flowers in blue and white; the bench is covered in blue and white striped satin. Thedlow, Inc., decorators.
Waterproofing methods for cellar walls

In addition to its primary function of providing a firm foundation to the superstructure—firm enough so that the house will forever be free from settlement—the foundation wall of today must be a waterproof and damp-proof barrier between the earth outside and the livable space within the basement. Damp cellars are no longer tolerated.

How to create dry cellars through the proper construction or treatment of foundation walls is thus a question of importance to those who plan to modernize an old home as well as to those who are building a new house. Let us first consider the construction of basement walls for new buildings, for here at least the owner has an opportunity to forestall future troubles by following correct construction principles.

The most satisfactory way of assuring a dry basement is to install a line of terra cotta sub-soil drainage pipes completely around the foundation just outside of the footings and somewhat below the level of the basement floor. Below is shown a cross-section of a foundation so treated.

The line of drains must be pitched toward a low point from which an extension of the line is carried away from the building to some point where the water can run off harmlessly. This is not always easy to accomplish unless the house is set on sloping ground so that the drains can be carried out to some low point on the slope. If this is not possible and the sub-soil is sufficiently sandy to absorb the excess water from the footings, the drains can be carried to one or more dry wells twenty or thirty feet from the foundations. These dry wells are merely deep pits filled with broken stone from which the water collected by the drains seeps away to levels below the foundation line. If one can take this single precaution when building a new house, the possibility of a damp cellar due to the direct seepage of water is almost entirely eliminated.

However, the construction of this drain outside of the bottom point of the walls requires a larger excavation than is ordinarily needed, and consequently adds a few hundred dollars to the cost of the job. This extra digging is worthwhile for another reason; it permits thorough waterproofing of the outside of the foundation wall with heavy layers of hot pitch or asphalt, with waterproof felt between each application of the pitch. This construction forms what is called a waterproof membrane through which water cannot penetrate under any normal pressures likely to be encountered. Such construction is usually recommended in damp ground and it should be employed whenever water conditions threaten to become serious. An illustration of a foundation wall waterproofed in this manner is given on the opposite page.

When foundation walls are built of solid concrete, cast in forms, water-tight construction can be secured at relatively low cost by mixing with the concrete a suitable waterproofing and hardening compound. There are a number of kinds on the market. Some are effective enough to prevent penetration of water when used in a coat of cement mortar about one inch thick over cement blocks, solid brick work or other types of walls made up of units laid in mortar. Preferably this waterproof mortar should be used on the outside of the walls; but it may be applied inside as a corrective to leaky walls if the pressure is not too great.

Gravelly and sandy soil which effectively absorbs large quantities of water will be self-draining in a sense, so that but very little water is likely to come against the foundation walls, even after prolonged rain storms. In such cases, builders frequently use only a single heavy layer of hot pitch or asphalt without any felt membrane, as shown by the drawing below.

Occasionally, an owner runs into real trouble in the form of an underground spring. When this condition occurs, there is nothing to do but to make the entire cellar wall and cellar floor as water-tight as the hull of a boat. Then it is necessary to use a complete membrane waterproofing around the outside of the walls and another across the entire floor area below the finished concrete floor surface. Sometimes the pressure of water is sufficient to bulge the concrete floor, bursting it upwards against its own weight. This condition, which is called hydrostatic pressure, can be alleviated by installing in the cellar floor, at some point where the pressure is likely to be greatest, a solitary stand-pipe that extends from beneath the waterproof membrane up through the floor to a height which is approximately equal to the ground level outside. The water then will rise and fall within this pipe as the sub-soil water level changes, and the pressure on the concrete itself is, in a sense, counter-balanced.

These methods should take care of every condition which is likely to be met in new construction, and they should certainly assure a dry cellar so far as the penetration of ground water is concerned.

Dampness in cellars comes from two sources. One is the water in the soil around the outside of the building or beneath the floor, and the other is water carried by the air into the cellar area where it condenses on the cold masonry walls. Many a home has been carefully built to assure a dry basement that nevertheless shows excessive dampness—even to the point of standing water all over the cellar floor at certain times during the year. This may be due entirely to con-
The moisture laden air strikes cold water pipes or cold cement floors and masonry walls, the water condenses like dew and runs down the walls or drops from the pipes onto the floor, where it stands unless provision is made to drain it away. A simple method of accomplishing this may be used. When the foundations themselves are drained in the manner described above, the builder should be instructed to lay a one-inch board around the inside of the foundation walls before pouring the concrete floor slab. The floor itself should be given a slope from the center of the basement downward in all directions to the outside walls.

When the cement is hard, the boards around the walls should be taken out, leaving a little gutter one inch wide and as deep as the cement floor. Some fine gravel may be placed in this narrow gutter or it may be left open. Then when water condenses on the walls or on the floors, it quickly drains into this little ditch surrounding the floor area, whence it seeps away into the foundation drains and is carried from the building. This system of drainage is shown by the right hand illustration at the top of the page.

The tile drain in the sketch opposite, described in detail in the text, practically ensures a dry cellar in average soil. The pitch coating is added protection. Alternate layers of pitch and felt applied as shown in the drawing to the left, above, create a sturdy membrane valuable for protection in poorly drained soils.

Condensation on basement walls can be eliminated or minimized by insulating walls in one of the two ways depicted in the central illustration above.

The sketch to the right, above, suggests a way in which water condensed on walls and floor may be carried away by sloping the floor gently from center to four walls. Good drainage below floor level is necessary now let us consider what can be done with existing walls where dampness is found in cellars. First, one should determine whether or not the dampness is caused by condensation or by water penetrating from the outside.

If it is caused by condensation, dampness will not be noticed in the winter time when the cellar has become thoroughly heated by the furnace or boiler. It will become noticeable during humid weather and will disappear again in real dry weather when the air is not too warm outside. If these conditions are observed, the difficulty can be corrected by the methods described a little later. If water penetrates the cellar, regardless of the season and the humidity of the outside air, one must look for other causes. Frequently the fault lies with the improper drainage of the leaders or downspouts from the roof. If the builder is careless, he may fail to provide proper dry wells to carry the roof water well away from the foundations. Under such conditions, the inside of the cellar wall will show its greatest dampness at the beginning of a storm at points which correspond to the locations of leaders. The first move then is to dig up the drains and carry them farther from the building into larger dry wells.

If this fails, three alternatives may be tried. The first and most expensive is to dig away the soil from the outside of the foundation and completely around the building, and to then install membrane waterproofing of the type we have already described for new construction. The second and less expensive method is to apply a layer of waterproof material to the inside of the cellar walls. This may be a cement plaster one-half to one inch thick of Portland cement treated with a liquid waterproof compound, or it may be a hot coat of pitch or asphalt applied to the inside of the walls when they are perfectly dry, and covered with a plaster of cement mortar. The third alternative is to install drains around the inside of the walls below the floor level, carrying these drains to an open well in which is installed an automatic electric "sump" pump which will carry the water out of this well and discharge it into the sewer line whenever the well becomes filled. Such a pump can be purchased for from $85.00 to $150.00. These pumps are also used whenever the cellar floor is below the level of sewer or drainage lines, so that there is no other way of removing water that collects, accidentally or otherwise, on the basement floor.

Now we come to the problem of eliminating the dampness due to condensation. This is quite essential if parts of the cellar are to be used for secondary living purposes or for a recreation room. Remember that this water is air-borne and that it appears whenever the moisture laden air strikes upon a cold surface. It disappears gradually if dry air circulates in the cellar in such quantities as to absorb it. It is most commonly noted in the damp, rainy weather of spring, especially after the heater has been cut off for the season, and again in the damp humid days of summer and fall.

There are only two methods of preventing the appearance of this condensation. One is to exclude damp air, which cannot be done if the cellar is ventilated, and the other is to prevent the damp air from coming in contact with cold objects. This latter is accomplished by wrapping the cold water pipe with heavy insulating material of the type used on steam lines, and by covering the walls with some material that insulates them from the moisture laden air.

There are two methods of doing this. Both these are explained pictorially as types "A" and "B" in the central sketch above. The procedure in type "B" is to apply wood "furring" strips to the foundation walls, nailing to these a heavy insulating board or a good plaster base, finishing the walls with plaster. This creates a one-inch dead-air space be- (Continued on page 51)
Airy garden rooms
that bloom on New
York's sky terraces

With every foot of apartment house
space blossoming nowadays into out-
door living rooms, the furnishing and
planting of these sky terraces becomes
a fascinating experiment in decoration.
That modern furniture is effective and
practical is apparent in the roofs sur-
rounding Mrs. Walter Hochschild's
pent house. Chromium metal chairs
have cushions in apricot and turquoise.

French type of woven wood fence
encloses the upper terrace which is
covered at one end by a terra cotta
awning lined with turquoise. Planting
is of Evergreen plants in tones of
green, yellow and dull orange. The same
coloring prevails on the lower terrace
where pots are filled with Huckleberry
and orange and yellow Straw flowers.
Annette Hoyt Flanders, designer.
Up to date kitchens in ancient styles

Essentially the most human room in the house, and not even dimly lighted with the gratifying aspects of romance! That is the condition of the kitchen geared to 1931. The heart of it is a multiple light socket, and its arteries are lamp cord. Someone should perfect a clock-operated robot to set its wheels in motion at proper intervals. Then, indeed, would the homely kitchen, dear to the memories of many million men, be buried beyond hope of restoration!

Before some over-zealous wizard gets around to making “a jewel of a cook” out of chromium, we might take stock to see what we are missing ere it's lost. If tradition is good enough for living rooms, tradition should have something flavor to offer for kitchens. A bit of time-tested poetry seems to be just what the anaemic modern kitchen needs. And this can be got out of history.

Paradoxically, the most efficiently geared kitchens respond magnificently to oldtime schemes of decoration. Schemes taken from lifetimes even more remote than our grandparents'. Ancient French, Dutch, Spanish, Italian, Swedish kitchen schemes. Occasionally, now, some delightful house designer occupies a culinary department running at quick modern pace but decoratively attuned to yesterday. The treat is all too seldom encountered.

To foster the circumstance of conscious blends of oldtime cheer and modern gear in kitchens, four convincing examples of “how it is done” are presented on the two following pages.

A Swedish, an Early American, a Dutch and a French Provincial kitchen themes are happy combinations of 20th Century tempo and oldtime piquancy. They present ideas for renovating big and little kitchens in houses with some history back of them. They may afford inspiration for kitchens in House & Garden's "House That Grows" and for houses to be built in seasons to come.

The Early American kitchen is modern in all working essentials, but luxuriously mellowed in decorative men. A cheerful pine-paneled room in which an attractively shuttered and curtained window and other niceties would tend to make one quite forget that blue Monday morning breakfast was being served in the kitchen.

The waxed plank floor (where linoleum simulating wide, pegged flooring would also be singularly appropriate) is overlaid with a colorful braided oval rug. The corner cup-board, table and benches of maple are cottagey in character. Checked materials serve to accentuate the sturdy, open-faced aspect characteristic of Early American home furnishing. What an ideal background for decorating coups of one’s own. For arranging, with an inherent knack, all those Early American treasures garnered during summer motor excursions; some of them essentially utilitarian, some of them non-utilitarian but gratifyingly atmospheric!

Colonial wives displayed their porringers and their plates, for all who came into their kitchens to see. Without greatly increasing washing and dusting problems, modern wives may do likewise. And there is cheerful, cordial effect to be gained from the practice. Kitchen units in blithe color, moreover, concede to both the present and the past in supplying display shelves where attractive items of service may be viewed through glass. Should one prefer curtaining within glass, one may take a little liberty here, also, and, using the proper material, achieve an effect that looks correct.

Other liberties, too, are permissible without fear of kitches to see. Without greatly increasing washing and dusting problems, modern wives may do likewise. And there is cheerful, cordial effect to be gained from the practice. Kitchen units in blithe color, moreover, concede to both the present and the past in supplying display shelves where attractive items of service may be viewed through glass. Should one prefer curtaining within glass, one may take a little liberty here, also, and, using the proper material, achieve an effect that looks correct.

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In a class by itself, with a quality of sprightly trimness all its own, is the interior that borrows elements from the old Normandy kitchen. The quaint, orderly spirit of the old French seaside habitat is here, without the too strictly definite adherence to detail that would make one faintly sense the smell of fish!

A fairly costly concession to mere effect would be the plaster hood with beechwood shelf and chic checked gingham ruffle—if it did not provide an excellent electrical ventilator to carry off cooking odors. It mounts a utility no less up-to-the-minute than an electric range. And this is set upon a snug platform of waxed red brick; dispensable, of course, but engaging.

Not without homely fireplaces hung with crude cooking utensils, are ancient kitchens perfectly reproduced. For in the days when family life centered in the kitchen, the open hearth was the heart of the home. Wood fires having passed into the stage of desirable luxuries, kitchens least of all require them in our modern times. But where there is fortune to expend, why not fireplaces in modern kitchens—or simulated ones, at least?

The keynote of this French Provincial kitchen is the hooded “fireplace” on which, characteristically, hang brightly burnished pans. But there is an understudy, only slightly less telling in effectiveness. A French Provincial alcove, adroitly adapted to conceal a prosaic ironing board! And more than that, to background, becomingly, an electric refrigerator in color!

Plates surmount the window frame. Pleasant pewter and pottery blending the new and the old decorate shelves especially designed for colorful adornment. Beechwood ladderback chairs and a characterful beechwood table of proper pedigree are handsomely complemented by linoleum flooring in eggplant shade. Efficiency glorified, indeed!

The sweet scents of immaculate cleanliness fairly exude from the compact little kitchen which is blue and white and distinctly Dutch-like. Here is the spick and span tidiness for (Continued on page 81)
SUNNY YELLOW AND BLUE FROM SWEDEN

THE KITCHEN OF OLD COLONIAL DAYS
BLUE AND WHITE IN THE DUTCH STYLE

AFTER THE WAY OF PROVINCIAL FRANCE
Planting the grounds of the house that grows

Wherein flowers, shrubs and trees are chosen, arranged and the approximate cost estimated

The gardens and landscaping of the House That Grows are designed for a lavish display of color through the season of natural plant activity, for effectiveness even during the customarily bleak days of winter, and for that blending of beauty and utility which is of such especial importance on properties of moderate size.

Thus we find the front foundation planting entirely of evergreens, the property walls or woven wood fence vital with a variety of climbing vines, and the flower border at the rear laid out with dependable perennials and one self-sowing annual. A garden of choice vegetables supplies the table with such specialties as can be better raised at home than bought in the market, and on the wall around it are six espaliered Apples, Pears and Peaches. Two long Grape arbors connect the tea house and tool house with the paved terrace and, while providing an abundance of fruit in season, make pleasant shady walks in the warm months. For the year-round delight of real gardeners, a small greenhouse stands between the tool house and the west wall.

Taking up the various sections of the property in detail, the half-circle of turf within the curve of the driveway is accentuated with a specimen shrub of Beauty-bush (Kolkwitzia amabilis) at each side, just within the wall. On the wall itself behind each of these soft pink flower cascades is a Clematis paniculata, spilling its creamy summer bloom over the top and down on the other side. Midway of this wall section is Clematis montana rubens, a glory of pink and green. The two front corners of the property are planted with bush Honey-suckles (Lonicera fragrantissima), backed by purple Clematis jackmanni on the wall.

Beginning at the left as you face the house entrance, the foundation planting is as follows: one Mountain Laurel, one Leucothoe catesbaei, one Pieris japonica, two Pfizer Junipers, one Leucothoe catesbaei, one Mountain Laurel, one Pfizer Juniper, one Dwarf Japanese Yew and one Irish Juniper (beside the door). This last conifer is balanced by another of the same species on the other side of the entrance, followed toward the right by one Dwarf Japanese Yew, one Pfizer Juniper, one Mountain Laurel, two Pfizer Junipers and, beyond the garage doors, a Mountain Laurel close to the boundary wall. The two trees are American Elms. On each side wall, about midway of the distance from the street to the building line, a vine of Euonymus radicans vegeta spreads its dark green mat.

The east half of the rear terrace is shaded by another Elm chosen because its high-branaching habit clears the windows and discloses the light blue Wisteria on its pink lattice against the house wall. Inside the boundary wall on this side are four vines of Ambeliaxis tricuspidata (Boston Ivy), spaced equally along the distance from the house to the tea house. The shrub at the southeast corner of the library is a Beauty-bush. A strong-growing Forsythia intermedia spectabilis, trained in espalier form, grows against the terrace side of the drying yard wall. Here and there in the crevices between the terrace stones are low-growing, colorful rock plants such as Thyme, Sedum acre and Veronica rupestris.

Cedar posts and top rails, barked and oiled, form the two long Grape arbors. A strip of turf edges both sides of these paved walks and, on the border side, makes a pleasant interval of green to accent the colors of the flowers. There is wide latitude of choice in the selection and arrangement of the plants in the border; the planting plan suggested can be varied in accordance with individual preferences. A low clipped Boxwood edging defines the inner lawn side of the border. The step whereby one enters the lawn from the house terrace is flanked by Globe Arborvitae in large tubs.

Except for its central pool the lawn is an unbroken green expanse, wholly charming and restful in its simplicity. On its far side a break in the Boxwood edging gives access to the rear terrace at either end of which a Bechtel's Flowering Crab softens the outlines of the two little houses. The wall fountain in the center is of dolphin design, flanked by Globe Arborvitae in large tubs.

The planting plan on the opposite page shows one half of the perennial border which edges the lawn of the House That Grows. The other half has the same arrangement of plants, in reverse. If desired, all but the Phlox, Peonies, Iris and Chrysanthemums can be easily raised from seed.


No detailed specification of varieties for the pool planting is given, as this is largely a matter of personal taste. All the prominent Waterlily growers offer "collections" as well as individual listings from which selection is easy.

The cost of the plants varies according to several factors. Using good-sized stock and well established perennials in the border, the total would be in the neighborhood of $380.00, divided about as follows:

20 Ornamental vines and climbers $14.00
19 Grapevines 15.00
19 Evergreens 74.00
6 Deciduous shrubs 14.00
2 Flowering Crabs 8.00
400 Ordinary Box edging 35.00
3 American Elms. 12"-14" 12.00
6 Espalier fruit trees 40.00
Plants for the pool 10.00
400 Plants for the border, about 150.00

To be added to this figure is the cost of the dolphin wall fountain from Wm. H. Jackson Company ($190.00) and of the approximately 12' x 18' greenhouse (between $1,000.00 and $1,800.00). Obviously, the purchase of smaller trees and shrubs, and raising the border perennials from seed instead of buying plants, would cut the expense considerably. Conversely, you can pay as high as several hundred dollars each for large Elm trees and up to $25.00 for extra-size espalier fruits.
A CORNER OF THE TERRACE

Glimpses on the grounds

of the house that grows

Abundant color is the keynote of the planting. It is strongly evidenced in the Wisteria which festoons the lattice on the back of the library wing, and in the view across the lawn, with its Waterlily pool and the Flowering Crab beside the tea house. The Forsythia against the drying yard wall, too, is a golden spray.

At the top of the opposite page is shown the front foundation planting, composed of broad-leaved and coniferous evergreens for the sake of their year-round effect. In spring the varying tones of green are set off by the white blossoms of Leucothoe and Pieris, followed by the trusses of the Mountain Laurel.

Climbing Roses and Bechtel's Crab brighten the rear terrace, their flesh, greens and pink framing the dolphin wall fountain and little pool below. Here, as elsewhere in the paved area, Thyme, Sedums and other low-growing flowers touch up the cracks between the stones.

Looking toward the street from the front entrance one gets the full effect of the Clematis montana vine on the center of the wall. Shrub Honeysuckles are in the two front corners, set in the angles of the wall. All of this planting, as well as that in the rear, would look equally well if, instead of the stucco, brick or masonry wall, one were to use the French type of woven wood fence.
THE FOUNDATION PLANTING ALONG THE FRONT

ALONG THE REAR TERRACE TOWARD THE TOOL HOUSE

LOOKING OUT FROM THE FRONT ENTRANCE DOOR
Beauty that blooms in early tulips

Louise Beebe Wilder

The Class of Tulips known as "early" does not by any means receive the recognition that its special comeliness and usefulness merit. So many, so marvelous, so acclaimed are the Darwins, Breeders and the Cottage varieties of the later season that too often the early-flowering kinds are quite overlooked in our plans for spring's adornment. They suffer too, these early varieties, by association in our minds with pots and geometrical bedding, for which they are indeed ideally adapted. But these are not the only roles they are capable of filling with grace and distinction. Once a bedding plant only, roles they are commonly less expensive than them have a fine, sweet scent. Then too, most stirring orange-red with brownish lights, and the stem is sturdy and upright. It is still somewhat dear in price but well worth making a sacrifice for if you feel the need of a glorious blob of color somewhere about your domain. For cutting it is unsurpassed.

A superb variety of more recent introduction and quite different coloring is Oranje Nassau. It is said to be one of the many sports of Murillo but bears no resemblance to it, save perhaps in shape. The color is the most stirring orange-red with brownish lights, and the stem is sturdy and upright. It is so inexpensive as to be had almost for the proverbial song. It flowers later than the general run of the "earlies". Tea Rose (Safrano, Brimstone) is another extremely inexpensive and lovely old variety that foams along the edges of borders amid Anchusa myosotidiflora, purple Violas and pink Flowering Almonds, with the most enchanting effect. Its color is primrose yellow with the same flushing of apricot that is found in its namesake the Safrano Rose.

The prestige of (Continued on page 90)

The yellows are also many and alluring. One of the finest I have grown is the new Golden Giant, an immense semi-double flower, coming very early and lasting long, the color pure unblemished yellow and possessing a fine fragrance. The beautiful amber colored Maréchal Niel that combines so delightfully with Bleedingheart is magnificent and in spite of the fact that one must dig deeply into the toe of the stock to find its rather costly price, is almost a must-have. But there are cheaper kinds: Mr. Van der Hoef is fine, very full and with a satin sheen, and there is the old Yellow Rose, weak of stem, heavy headed, but of a color to light the eyes and a scent that enchants the nose. It is so inexpensive as to be had almost for the proverbial song. It flowers later than the general run of the "earlies". Tea Rose (Safrano, Brimstone) is another extremely inexpensive and lovely old variety that foams along the edges of borders amid Anchusa myosotidiflora, purple Violas and pink Flowering Almonds, with the most enchanting effect. Its color is primrose yellow with the same flushing of apricot that is found in its namesake the Safrano Rose.

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The prestige of (Continued on page 90)
On the top of the page opposite a lovely blending of color is suggested by the association of early Tulip Fortuna with the early-flowering Lilac olba. Fortuna opens silvery satin shaded fawn which later changes to soft rose. It is an oval shaped bloom.

At the bottom corner of the opposite page a white cloud pottery jar holds a combination of Japanese Quince, Poetaz Narcissi and Tulip Fred Moore. This Tulip is orange shaded scarlet, with which the sulphur tints of the Narcissi and the subdued crimson of the Japanese Quince contrast brilliantly.

To the left, at the top of this page, is an arrangement of the fleecy blossoms of the Pie Cherry and the ile green pink tones of the early Tulip Azalea. This combination and others pictured here are only a few of the infinite variations with early Tulips in May.

Drooping sprays of the old favorite Bleedingheart are accompanied, in the bowl directly above, by that lovely and sweet-scented double Tulip Maréchal Niel. It is a pale canary yellow flushed with soft orange and is valuable both in the garden and for cutting.

To the right above an old glass water pitcher holds the magnificent blossoms of Orange Nassau, a new early Tulip of stirring orange red with brownish lights. For cutting this variety is unsurpassed.

A sharp contrast is found in the combination pictured to the right—waxen hearts of white Dogwood with an early Tulip called Rising Sun, a sturdy fellow of golden-yellow tones that well reflects its name. In the garden these early Tulips can be used for formal beds and edgings.
Accuracy in important details is essential
to Georgian houses. By G. K. Geerlings

To create an admirable Georgian house is a similar problem to that of the painter working on a self-portrait. He has difficulty viewing his subject with a fresh eye. Too often has he gazed on the features while shaving to have any new interest in them or to recognize their distinctive traits. His solution lies in dissociating himself with its familiarity and viewing it afresh. So with the modern Colonial house, columns, entrances, shutters, dormers, roofs—all are elements that have become too familiar and too commonplace.

The Georgian house need not wallow in the doldrums of repetitious mediocrity. The houses built along the American seaboard after about 1740, inspired by the current work in England, might easily have fallen into slipshod ways and excused their banality for much better reasons than are available now. It was not possible then to obtain the materials, tools and skilled labor which combined to create the English homes. Yet the standard of work seemed to flourish on its very deprivations. New forms were invented which were as appropriate to American forests as stone-carving was to English quarries. Classic traditions were regarded more as helpful hints than inviolable edicts. The resulting solutions were as numerous as the houses. The contemporary spirit of adventure was just as evident architecturally as that of pioneering was geographically.

If the standard of the late formal Colonial house (which for architectural accuracy is called here the Georgian) has fallen on evil days, it is but a result of the mass production system which has invaded every detail of modern life. Occasionally, however, in spite of all its rigidity, the system steps aside for a custom-made job if the pressure be great enough and the reward commensurate. In the building of one’s house it is certainly worth the effort to exert such influence, holding forth with an architect who is both artistic and adventurous.

The general mass of the Georgian house was not unusual. But it was well-proportioned; it was conceived as a single unit. Wall height as related to roof, width as compared to height, window and door openings well disposed, and surrounded by placid margins of wall area—these were rightly regarded as the important determining factors. Once the latter were settled upon, individual details were not regarded as isolated units, but as related to the whole. No entrance was bought at such a high price that the balance of the house went begging.

As regards the placing of the house on its...
plot, the first essential toward rooting it to the soil is no different than that of any other house; the first floor should be as near the ground as possible. In case it be raised an entire floor to accommodate garage and service, as shown on the top of this page, planting and terraces must introduce it suavely and gracefully. If it be only a few feet above the grade, as in the drawing at the top of page 69, some means should be sought which will effect a graceful transition from pavement to first floor. In the drawing at the bottom of the page opposite, the assumption has been made that the lot is flat. Excavated earth was used to create a slightly raised front terrace and a small enclosed flower garden immediately to the rear. Inconspicuously, in this same drawing it is suggested that the garage drive be screened by a one-sided arbor having a single row of uprights with projecting brackets to support trellis over the walk.

Practically all Georgian houses typified friendliness in entourage and nearness to the street. At present carbon monoxide and noise annoyances make it desirable to move the house farther back than formerly. The houses on old village streets lined with interlacing trees possess an unfair advantage over those of a modern suburb which have only saplings to soften them. Consequently, while one may wish to emulate the stolid simplicity of the New England house enriched only by its aristocratic Elms, to utilize terraces, dry walls, shrubbery and flowers will be almost necessary to make the house “feel at home” until the trees reach maturity. Both the entrance shown on the top of page 66 and that on the top of 68 would be dependently forlorn without the pleasant company of planting.

The entrance is the focal point of interest on the façade, and as such should sound the keynote of the surrounding features. Concretely, the Shiner Farm entrance (top of page 66) admits to a stone house, consequently it has generous dimensions and rather heavy moldings which bespeak the character of the surrounding stone. In contrast in a wood setting and correspondingly delicate, is that of the Boice House at the top of page 68. The brick façade of the Fairfax House, top of page 69, on the other hand, recesses the refined wood members and fanlight above the doorway with superb discrimination, as though it recognized the entrance as the only wood on the façade and should be treated accordingly. The distinguishing hallmark of a good entrance is its leadership of, and yet comradeship with, the rest of the house. In the evolution of a new house it should from the first be considered as an integral part of the whole. Do not wait until the very end and then, as if ordering a dessert à la carte remark, “Oh yes, what kind of a doorway shall it be?”

The first problem of a porch is a practical one, will it be used. Or perhaps it should be asked of the architect: can it be made useful? The answer to both will be in the affir-
A style of simplicity and dignity

This doorway from the Boice (Rice) House, Amherst, Mass., offers inspiration for the doorway already built which consists only of plain or molded trim. To the sides of the trim, and not quite as far forward, are simple, well designed pilasters. Above is an ornamented frieze which could be made of cast plaster and painted. The delicate cornice above the door follows the New England precedent which befits wood so well

The two-story porch is a monumental feature which has its place on the large house, but is not recommended for the medium or small one. Below it is shown in two versions. In the sketch below, a bedroom takes advantage of the space above a porch. If a second floor porch is used, instead of being directly above that of the first floor, it might serve as a connecting unit in front of a number of bedrooms

ative if the porch is considered as a workaday feature of the house, and planned accordingly—not merely added to one end because it improves the silhouette in a perspective drawing. If the doors to the porch do not interfere with the placing of furniture within the adjacent room, so that the latter becomes merely a corridor, and if it be fitted with fireplace (if possible), screens in summer, sash in winter, base plugs and wall outlets for lamps and electrical appliances, the porch becomes a valuable and necessary room. The second floor porch can become no less so, when, as shown at the bottom of this page, it may serve as sleeping porch, outdoor bedroom or play space.

The second problem of the porch is one of design: will it look well? Sometimes yes, sometimes no—depending upon how carefully it has been studied. The size of the porch openings must obviously be larger than those of windows or doors, and it is usually this discrepancy which militates against the porch-unit appearing homogeneous with the balance of the house. It is difficult to pronounce any general abracadabra which will solve any and all porch problems. Better is it to ask the architect to make a small scale model and peer at it from all possible viewpoints, remembering not to look at it so much from above, as near the "ground". Another advisable precursor is to familiarize oneself with good examples, notably at Charleston, S. C., where both first and second floor porches abound. One of the best collections of photographs, drawings and notes within the smallest compass of pages are Volumes XII and XIII of The Monograph Series, published by Russell F. Whitehead, New York City.

If there be any one outstanding principle which contributes to the satisfying appearance of a Georgian house, it is that all window openings and glass divisions bear a constant relation to each other. To illustrate: assume that a typical first floor window has a height twice its width. The second floor ones may be a little less in height but they will approximate this same proportion. If they are of notably different proportions this will be so marked as to leave no doubt about their setting out to accomplish another purpose, such as a horizontal band. The glass, divided by muntins, is in rectangular units about the same proportion as the entire window opening. Moreover, the size of the glass divisions will usually be constant throughout the building, so that although second floor windows may be less high than those of the first floor, the panes of glass will be the same size. First floor windows often were five
panes high (three in the upper sash and two in the lower), while the second floor ones were four panes high.

Two common faults in modern work are absent in the originals. One of these divides only the upper half of the window by muntins, while the lower half remains one undivided pane of glass. If the small panes are appropriate to the upper part, there can be no logical reason why they are not equally suited to the lower. (It is curious that the reverse practice has never been followed, of dividing the lower half only.) It seems to be the unfailing earmark of the carpenter-builder without training or discrimination, whose childish fancy probably decides that muntins make anything "colonial", but the fewer panes the less expensive—and therefore the better. If it be a matter of expense, better by far to assemble all the divided sash on two sides of the house, for then at least that much will be homogeneous.

The other fault which mars modern work is the double or triple window separated by a thin "mullion", or vertical division. Old work had a unifying greatest-common-denominator in that all openings had a constant relation existing between height and width. But the double window makes a wall opening as wide as it is high, and the triple window one wider than it is high. Instead of the eye being able to accustom itself to openings of uniform proportions which interrupt the placid (Continued on page 86)}

The Georgian entrance can be recessed as well as brought forward, as this adaptation of the Fairfax House of Alexandria, Va., testifies. Rather expensive column details have been simplified to pilasters, and the side panels made similar to those of the door. The wrought iron railing and curved steps are like those of the Alexandrian example, while the general form and detail of the second floor balcony are designed more in the spirit of some at Charleston.

Oft when a Palladian window (a middle unit arched, flanked by two square-topped narrow windows) is used, the top of the arch comes no higher than the tops of squared-topped windows, giving it somewhat the effect of having slipped downward. In the drawing at the left the pediment is used to good advantage to accommodate the arch of the window. The Captain's walk on the roof has a decorative iron framework on which awnings might be hung.
Musical instruments and their care

Many of the best known musical instruments in use today are less than a hundred years old. They have evolved slowly, as musical taste and knowledge have developed. Even the piano was not in general use until the end of the 18th Century; compositions of Handel and Bach having been written for harpsichord or clavier.

While it is true that the ancestry of many musical instruments may be traced back thousands of years, the vast majority of instruments have, by gradual growth, only in comparatively recent times reached their present degree of perfection.

To keep them in good condition requires thought, time and care. If we are to pass down to posterity instruments which are the present-day vehicles of our musical interests, we must at least give them the care the average motorist bestows upon his car. But who thinks of this logical analogy?

One of the most important points in the care of the piano in the home is the cleaning. The case should be lightly dusted with a dry cheesecloth or fine leather duster, and if the varnish surface becomes cloudy or streaked, wiped off with a soft cloth dipped in tepid water and wrung dry.

Where a piano is badly scratched or needs polishing, the maker of the instrument should be consulted. If the room in which it is located is being aired or swept, or the house is to remain unoccupied for some time, the piano should be kept closed and covered with a sheet or thin dust cover. However, if the instrument is kept closed too long the ivories will turn yellow. One method of prevention is sunlight, and wiping the keys after playing, especially in warm weather, for the natural oil of the hands will tend to discolor them. If the ivories show indications of turning yellow, equal parts of alcohol and water may be used, but care should be taken not to touch any of the varnished surface.

An even temperature should be maintained in rooms containing pianos, for drafts, cold, moisture, excess heat and sudden changes are wont to affect the tone and check the varnish.

The piano should be placed near inside walls of the house—never against an outside wall, and away from large soft rugs or thick draperies which tend to deaden sound. Of course, where space is limited, and there is only one logical place for it, no thought need be given to this detail, for the instrument will usually give an abundance of tone for the size of the room. A competent person should regularly examine and clean the piano, removing all dust and dirt. Camphor balls in a cloth bag, or moth powder kept in the piano, will prevent moths destroying expensive felts and cloths.

To preserve the musical and mechanical qualities, a piano's action should be regulated not later than the second year. This is entirely separate from the tuning, which should be done twice a year; and a new piano should be tuned more often.

The player piano requires the special examination of a competent technician three times a year, for oiling, adjusting and removing dust.

A group of piano manufacturers is represented by "A." It has always been the aim of "No. 1" to make pianos as near to perfection as possible. This company is reputed to be the only one featured in this article that does not assemble the parts used in their pianos. The result is a piano in which rich, deep tone, responsiveness of action and extraordinary durability are combined in the highest degree. This manufacturer has invented, and offers as a feature of his pianos, the remarkable duplex scale, which makes for even tone and greater volume. One baby grand model is five feet, seven inches in length, and is suitable to the limited size of modern apartments.

A special tuning and repair department is maintained, and accommodation may be made for storage and insurance of pianos.

Manufacturer "No. 2" makes every known type of instrument, including upright, grand and player pianos, all unconditionally guaranteed. The outstanding characteristic of these pianos is the tone of bell-like clarity, found only where true artistry has entered into the making of an instrument. Among the unique features of their grand piano, is the special type piano action found on no other American-made pianos.

Another exclusive point is the player piano metal action which is not subject to the sudden and extreme atmospheric changes which affect many player actions. An upright type of player piano has a most distinct advantage in operation, for the customary buttons and levers on the rail have been eliminated, and the control devices placed in the spool box.

The priceless quality of durability, combined with the power of staying in tune under adverse conditions has been incorporated into the pianos of "No. 3." The vibrant tone and quick responsiveness of the action add immeasurably to the qualities which every music lover demands in his instrument. Models range from exquisite period designs to modernistic types.

For use in studios, nurseries and smaller apartments that cannot accommodate a large instrument, a junior upright model has been developed, with practically the tonal volume of a full-sized upright, although it is less than four feet high. Player pianos may be electrically operated with a perfected pumping device if desired.

Manufacturer "No. 4" has sacrificed quantity to quality, and solved the problem of permanency of tone. Tone quality in this instrument is dependent principally upon the arch of its soundboard, which enlarges and reinforces the tones produced by the vibrations of the strings. Into this company's pianos has been built and permanently adjusted an ingenious and unique device which supports the sound-board arch, and gives the piano an enduring tone. This device is not found in any other piano. The design department of this organization will furnish original designs or instruments may be specially finished to match color samples submitted by the purchaser. A piano of utmost simplicity and fine proportion has an unusual adjustable desk and lighting arrangement. Another grand model in which the patented device to ensure permanence of tone has also been used, occupies five feet, eight inches of floor space, and is really outstanding in appearance.

Into the three matchless pianos of "No. 5" may be installed an unusual mechanism, which exactly reproduces the playing of great artists upon the instrument itself. This device, which is (Continued on page 78)
Among the picturesque features in the home of C. Dudley Armstrong at Lancaster, Pa., is a Pennsylvania Dutch kitchen alcove, with its raised brick hearth and its burnished copper pots and smoke hood. Here occasional informal suppers are prepared. Cameron Clark was the architect of the restoration.

In the manner of the old Dutch kitchen
When making use of the following lists of Early Georgian, Late Georgian and Regency houses in England it will be well to bear several facts in mind.

In the first place, there are inevitably overlappings of the styles. For the sake of general convenience it is expedient to classify the groups chronologically and set more or less arbitrary dates for them...

Early Georgian or Palladian, 1714-1760; Late Georgian or Neo-Classic, 1760-1800; Regency or Greco-Roman, from about 1785-1825. As a matter of actual fact, however, not a few houses built after 1714 show a closer relation to the Late Stuart manner than to the Palladian; and a number of houses built after 1760 were still distinctly Palladian in flavor. Again, in numerous instances, houses built prior to 1760 unmistakably instance the Neo-Classic spirit and have little of the robust Palladianism favored by Lord Burlington and his coterie. Finally, long before the 18th Century came to an end, the Regency manner had taken a firm hold although, strictly speaking, the Regency Period, when the manner reached its fullest numerical fruition, lasted only from 1810 to 1820. Henry Holland had built Southill, in Bedfordshire, as early as 1775 and Leverton, James Wyatt, Sir John Soane and others had also created splendid examples of the later manner ere the century closed. Greco-Roman restraint in architecture and decoration had found plenty of popular recognition while Neo-Classic exuberance and gaiety were still in fashion. Some of the most perfect examples of Regency domestic architecture were finished years before the "first gentleman of Europe" became Regent in 1810. It is impossible to draw any sharp line of chronological cleavage. This overlapping of the styles can easily be accounted for by the different methods of individual architects and the tastes of their clients.

In the second place, some houses—especially some of the "great houses"—really belong to two or three modes. Instances can readily be mentioned where houses built in the Late Stuart era were remodeled or enlarged in the Early Georgian age, and again remodeled and added to by Late Georgian or Regency architects. Such houses actually belong to three types and are difficult to classify; the work of each era remains distinct and the work of each era is thoroughly representative. By far the great majority of houses, however, presents an aspect unequivocally identifiable with one manner or another.

Within the area of greater London, the moderate-sized house of Early Georgian, Late Georgian or Regency type can be studied to great advantage, but the face of London is changing so rapidly that it is unsafe, even after only a few months' absence, to refer to specific examples. Too often it happens that they are here to-day and gone to-morrow. Nevertheless, rambles in any of the districts noted in the lists will invariably bring substantial rewards.

In the provincial towns there is more of the element of permanency, and the provincial towns and their neighborhoods—particularly those named in the lists—afford splendid fields for examining the moderate-sized houses of all three types.

Cheltenham and Leamington are often spoken of as two of the most typically Regency towns in England, but it must be pointed out that most of the domestic Regency architecture of Leamington is very late and rapidly verging into a purely Victorian expression while in Cheltenham and Clifton, as well as in some of the other places mentioned, the many Regency houses are far more truly representative of the type.

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**EARLY GEORGIAN HOUSES**

**LONDON AREA**

**WROTHAM PARK**

**ISLAND HALL**

**ROKERY HALL**
- Rokeby, Yorkshire, c. 1731; 3 m. S.E. fr. Barnard's Castle. Ditchingham Hall, Ditchingham, Norfolk, c. 1725; Nr. Bungay and 6 m. W. fr. Bécket. House sometimes Inland Revenue Office, King's Lynn, Norfolk, c. 1730. Stone house in King St., King's Lynn, Norfolk, c. 1735. Woterton

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LATE GEORGIAN

Hall, Woberton, Norfolk, c. 1736; 8 m. N.W. fr. Aylisham (Thomas Kipy).  
HOUGHTON HALL  
FINCHCOCKS  
WARWICK  
BELCOMBE COURT  
LEBURN HOUSE  
MARSTOW  
TWICKENHAM HOUSE  
KIRTLINGTON PARK  
THE DEANERY  
BUNTINGSDALE HALL  
LATE GEORGIAN HOUSES  
LONDON AREA  
Typical of the rather rambling, comfortable looking little dwellings found throughout the more rural districts of New England is the home of Mrs. E. Y. Brenchley at Darien, Conn. The easy manner in which the attached garage has been carried into the general architectural scheme is a feature. Charles S. Keefe was the architect; Mrs. Wystie S. Weidner, landscape architect.
New features for home building and equipment - By G. T. K. Norton

Decorative Alloys. We have entered the Age of Stainless Alloys. Perhaps the simultaneous perfection of rustproof steel and the arrival of modernism with its opportunities to go adventuring architecturally, developed our metallic consciousness.

To the vanguard of nonel sinks, aluminum fireplace facings and nirosta table-wares we have become accustomed. But now come in numerous rustproof alloys, torcheres, shingles, plaques, trellises, downspouts, gutters, fencing, exterior walls, name and house number plates, mail and flower boxes, door frames and extruded shapes for cornices, window sills, mouldings, base-boards and trim.

Aluminum radiators of the fin type have appeared. A new alloy is being used in place of iron in reproductions of old iron hardware. Fronts for built-in drawers are of partially flattened aluminum tubing. Truly, modernism has stimulated the imagination and the craft of the ornamental metal contractor is in its heyday.

Copper alloys in many tints and shades are offered, with the necessary extruded shapes, for vertical surfaces; in their polished and brushed finishes they are highly interesting. But scratch brushing and polishing are only two; sand blasting, deplating, high lighting and boldly colored etching are also being employed as finishing processes.

And the newest feature of this new age is aluminum foil, a wall covering applied like paper that may be stenciled or glazed. It, too, is made in several finishes and colors.

For better walls. Metal lath, corner bead and cornices have been improved so as to provide more durable walls of plaster and stucco. The most important of several new products recently announced by one of the steel companies is a special mesh lath.

Unusually small mesh, changing or alternating angles of lateral strands, and narrow longitudinal ribs distinguish this product which is corrugated for stucco and flat for plaster. The corrugations act as furring so that the slightest pressure of the trowel completely imbeds the lath.

Because of the amount of metal surface, according to the manufacturer, it is practically impossible to waste plaster by forcing trowel completely imbeds the lath.

Positive rigidity is insured by the 16 corrugated for stucco and narrow longitudinal ribs distinguishing this product, according to the manufacturer, it is practical and impossible to waste plaster by forcing the trowel.
**The Gardener's Calendar for August**

**SUNDAY**

**Garden Habitations**

He is a bad gardener whose garden is kept only for himself. Paradise was not made for Adam only, but for every beast of the field and every fowl of the air that was brought unto him. And we add largely to the pleasures of our gardens when we keep them not only as pleasant homes for our flowers and fruits, but also as the homes of many lovely and interesting living creatures. We cannot spare the birds, though we have to spare largely for the butterflies and moths, though as gardeners, we cannot afford to make a match for the little spider which weaves such a network of beauty on our shrubs in the early autumn mornings; and even our greatest enemies, the slugs and snails, may be kept at bay by killing without mercy, add to the interest of our garden, and most assuredly, though we may not see it, they have their use.

---Elia Kazan

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**WEDNESDAY**

4. This is the time that special attention should be given to the fruit. If the plants are not protected against birds, they will be badly injured. A net or other protection should be used. This is the time to sow the bulbous vegetables, such as bulbs, such as tulips, daffodils, crocuses, Geraniums, dianthus, etc. Keep a watchful eye on the plants as they grow, and be ready to remove any that may be injured or diseased.

---Henry Shaw

**THURSDAY**

5. Early celery should now be ready for planting. It is a good time to sow the celery in the usual way, in the hardest part of the fall. It is best to sow it in the fall, as the plants will be ready for use in the spring. The soil should be rich and well fertilized, rather early.

---Henry Shaw

**FRIDAY**

7. Vegetables of the potato family should be planted now for fall use. This is the time to sow the potato family. The soil should be rich and well fertilized, and the plants should be set out as soon as they are large enough to handle. The soil should be well worked up and the plants should be set out as soon as they are large enough to handle.

---Henry Shaw

**SATURDAY**

1. Late celery, cabbage, lettuce, and kale may be sown now for fall use. It is a good time to set out these plants now. The soil should be well worked up and the plants should be set out as soon as they are large enough to handle.

---Henry Shaw

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**OLD DOC LEMMON ADMITS YOU NEVER CAN TELL ABOUT CATS**

"Green's phelaphin, that ain't no particular use for cats; they're kind of stand-offish critters and ain't no matter much of a horn 'bout none of 'em. But ole green's phelaphin's different from most, the way he does. He don't yowl on round on spring nights, and he don't kill no birds nor chicks or young rabbits, and he ain't no matter much of a horn 'bout none of 'em. At a matter of fact, he's pretty nigh like a dog in the way he looks at things, which just goes to show that ye never can tell 'bout cats, anyway. "For goin' on seven-eight year Pete an' ole Shep hee bosh the farm an' kep' off all the critters what ain't no business bim 'round the farm. But shep hee bosh the hay out an' doesn't have no house at all, but Pete's specialty is dogs. Many's the time I've seen him ridin' some strange mule that he found hangin' 'round the chicken coop. In the mornin', he always comes loaded with barred wire by the ton. Mostly he's a reglar old set-by-the-fire, as quiet an' contented as a tea kettle, but when he thinks his farm's being trespassed on, he's as mad as hell."
Consommé as it is created by the skilled French chef — Campbell’s Consommé — is so delicate and persuasive in its bland flavor, yet so distinctly refreshing and reviving that you welcome it again and again in summer.

Especially appealing served as a sparkling, cooling jelly, there are also chilly days or evenings when you relish it piping hot, to brace and invigorate you. Either way, this amber-clear blend of choice beef broth finely flavored with vegetables is an infallible lure to the taste. A splendid selection for the formal meal. Supply your pantry today.

Your choice

- Asparagus
- Beans
- Beef
- Bouillon
- Celery
- Chicken
- Chicken-Gumbo
- Clam Chowder
- Consommé
- Julienne
- Vermicelli-Tomato

11c a can
(reduced from 12c)

LOOK FOR THE RED-AND-WHITE LABEL

Campbell’s
Consommé
Jellied

To contents of can of Campbell's Consommé add one and one-half level teaspoonfuls of granulated gelatine, heating the soup until the gelatine is dissolved. Chill in a refrigerator for at least three hours. Serve in cooled bouillon cups.

MEAL-PLANNING IS EASIER WITH DAILY CHOICES FROM CAMPBELL’S 21 SOUPS
Read this story about the Carrier Weathermaker

Which makes obsolete former ideas about heating comfort
... raises new health standards
... lightens housewife's work
... makes home interiors more attractive
... is a symbol of the modern American home

It takes just a minute to send the coupon above. In return you receive a booklet about the most interesting development in home heating for more than fifty years. No story today has more to do with the comfort of your family in winter...its health...its happiness.

For the Carrier Weathermaker is a completely new type of heating system—an air-conditioning system adapted to the home from the famous Carrier Systems of Air Conditioning now used in industry, the Capitol at Washington, stores, hotels, apartments and offices. The Weathermaker for homes Cleans, Warms, Humidifies and Circulates air to make you completely comfortable. This booklet tells about the fourfold function of the Weathermaker and describes how you can enjoy Made-to-order Heating for your family in winter...its health...its happiness.

Let us have the privilege of mailing you a booklet. Just send us the coupon at the top of the page.
**EGGS! They tear you down socially**

AUGUST, 1937

EGGS! They tear you down socially

A common egg eater is likely to have halitosis (unpleasant breath) because tiny egg particles have been shown by chemical research to be a prolific source of unpleasant odors.

This doesn't mean that you should quit eating eggs. That would be absurd. Eggs should be regularly included in the menu because of their nourishing and health-building qualities. It is suggested, however, that after eating eggs you brush your teeth more carefully, with a good tufted brush; and that you follow this with Listerine used full strength as a mouthwash.

As you probably know, Listerine instantly overcomes halitosis. First, it halts fermentation (estimated to be the cause of 90% of the trouble). Second, attacks infection (the cause of another 5%). Third, overcomes the odors themselves.

Keep your breath beyond suspicion with this antiseptic... deodorizes swiftly and is pleasant to taste

Listerine overcomes odors that other mouthwashes fail to mask in 4 days

There are many mouthwashes, old and new, claiming antiseptic power, deodorizing effect, and pleasant taste. Compare them with Listerine, if you like. We are certain that every comparison will be in Listerine's favor.

Swift, germicidal action

No antiseptic mouthwash kills germs faster than Listerine, used full strength. It destroys bacteria in the shortest time accurately recorded by science.

That is important to remember, because many serious ailments start in the mouth, and because 95% of all halitosis (unpleasant breath) is caused either by fermentation of tiny food particles, or by minor infections of the oral tract. Listerine instantly halts fermentation and attacks infection. Removes 98% of the bacteria in saliva.

Amazing deodorant power

Recent searching scientific tests made by noted analytical chemists disclose Listerine's vast superiority as a deodorant. In experiment after experiment, Listerine showed immediate ability to overcome odors that ordinary mouthwashes fail to conceal in 4 days. Clearly, then, it is your best aid in conquering halitosis (unpleasant breath), the unforgivable social fault.

That delightful taste

Many mouthwashes otherwise effective are unpopular because of the flat, sickish taste that lingers in the mouth after their use.

Contrast this annoying effect with the brisk, delightful, refreshing flavor of Listerine.

Benefits tissue and teeth

When you use a mouthwash you like to think that you are not breaking down the resistance of mouth tissue. That you are not attacking the precious enamel of the teeth, nor the metallic fillings that may be in them. Only by careful choice of a mouthwash can you be sure of avoiding such troubles.

Listerine's enthusiastic endorsement by the medical profession is based on the fact that it is first of all non-poisonous, and that its effect on the mucous membrane tends to be soothing and healing. Its ingredients are not harsh; and therefore do not damage either tissue or tooth structure. Indeed, its effect on both is protective.

No dilution required

Here is another point for Listerine. You know when you use it just as it comes from the bottle that you are getting positive, certain, germicidal and deodorizing effect. Dilution, with its uncertainties and its dangers, is not one of your troubles.

Keep Listerine always handy in home and office, and carry it with you when you travel. It is a splendid first aid until the doctor comes.

And, moreover, it is your assurance that your breath is beyond reproach.

**Listerine's 8 Points of Superiority over other mouthwashes**

1. Absolutely safe to use.
2. Quick deodorant power.
3. Instant halting of fermentation.
4. Swift destruction of germs.
5. No damping effect on tooth structure.
6. Does not attack metal fillings.
7. Heals and soothes tissue.
8. Requires no dilution.

**Listerine—the Safe Antiseptic—KILLS GERMS IN THE FASTEST TIME ACCURATELY RECORDED BY SCIENCE**
The effect of beauty in your home and surrounding your home is lost unless the glass in your doors and windows portrays it truthfully and clearly.

Libbey-Owens-Ford Flat Drawn Window Glass will add greatly to the warmth and charm of your house—because its sparkle and brilliance of finish are lasting. It adds a permanent characteristic of beauty. The Glass bears the label shown here. Look for this label on the Glass which goes into your home.

Consult your architect and get his suggestions on glazing your new home. Let him tell you how fine glass enhances the tone and atmosphere of your house—besides adding greatly to its exterior beauty.

Each sheet of Libbey-Owens-Ford “A” Quality Glass bears the label shown here. Look for this label on the Glass which goes into your home.

Libbey-Owens-Ford Glass Company
TOLEDO, OHIO

Listen to Floyd Gibbons every Sunday evening at 10:15 Eastern Daylight Time, over WJZ and associated NBC stations.

Musical instruments and their care
(CONTINUED FROM PAGE 78)

Automatic phonographs, the ultimate in home entertainment—automatic phonographs in combination with radio. These models are equipped with an ingenious hopper which continuously and automatically turns and changes records, thus enabling the Instrument to play an uninterrupted recorded program. The additional refinements of a detector device and an unloading lever for the records have also been added. A distinctive and leading feature of the new model provides effortless entertainment by means of this automatic phonograph in combination with radio. For those who have radios, but desire the added pleasure of a record-changing phonograph, this manufacturer offers a compact unit of convenient size, admirably suited for installation in small rooms.

A LATE DEVELOPMENT

One of the latest and highest developments in the art of sound reproduction is offered by “No. 4,” in his all-electric instrument which plays automatically, both ten-inch and twelve-inch records in mixed order. As few records as desired, or as many as twelve, can be placed in the instrument at once. Buttons and controls are located on a single panel so that records can be conveniently stopped or rejected at any time during playing. This instrument may be used as a power-amplifier and loudspeaker for an external radio set. This manufacturer recommends lubricating the motor at least once a month, polishing the cabinet with a special cleaner and having the motor examined interval. Another prominent achievement is the automatic phonograph and radio together in one cabinet. Its music is reproduced and amplified electronically. The instrument itself operates entirely from an electric light socket, and is controlled by a small snap switch on the radio panel.

Six models incorporating every new development in the radio field are highlighted by “No. 5.” The cabinets are built along simple, graceful lines and the speaker opening is curtailed with special, unobtrusive duo-tone fabric. A very distinctive feature of these radios is the quick-vision dial, in which all station markings are in full view from any angle. One model incorporating this feature has a tone control that allows the operator to secure four tone shadings. Another radio combines a phonograph with an ample record compartment and piano-topped top.

“No. 2” manufactures luxurious cabinet type radios of thoroughly modern design and special construction, with superior tone reproducing qualities. An outstanding point of the receiver is its amazing selectivity. Even when stations are extremely close together on the dial, it is possible to eliminate one and to receive the other.

The local distance switch which controls the powerful local stations is another main feature. This manufacturer offers a new electric radio and phonograph combination with, in a self-starting motor. The cabinet is of perfect symmetry, the rounded corners, sides and front being made of a new material reproducing phonograph in excellent form.

“No. 3” offers a line of guaranteed automatic phonographs, and the ultimate in home entertainment—automatic phonographs in combination with radio. These models are equipped with an ingenious hopper which continuously and automatically turns and changes records, thus enabling the instrument to play an uninterrupted recorded program. The additional refinements of a detector device and an unloading lever for the records have also been added. A distinctive and leading feature of the new model provides effortless entertainment by means of this automatic phonograph in combination with radio. For those who have radios, but desire the added pleasure of a record-changing phonograph, this manufacturer offers a compact unit of convenient size, admirably suited for installation in small rooms.

Special tone control, uniform selectivity and tremendous power without hum or distortion are a few of the excellent features of “No. 4” radios. Cabinets are fashioned after authentic period designs. An appealing and finely constructed model is a highboy console with beautifully matched sliding doors, and eight tubes which reproduce with remarkable fidelity every shade of tone.
To ride in the Cadillac V-12 is to know at once why it is ranked so highly among the fine cars of the world— for the appeal of its 12-cylinder performance is well-nigh irresistible. Even those who are accustomed to the foremost automobiles are finding in the V-12 a new conception of motoring luxury. In fact, a V-12 demonstration, almost without exception, makes conventional conceptions of performance and luxury seem commonplace.
For that important little person who has come to live with you

Nothing can be too good for a brand-new baby! But why shouldn't parents show how glad they are that a certain little bit of sunshine picked their house for a home!

And what a big change this little visitor makes—particularly in one room of the house. Here some kind fairy (perhaps it's really mother) paints funny gnomes all over the walls, fills the closest full of frilly things, transforms the alphabet into a fuzzy rug, and spreads a most magical bit of rainbow brightness for the floor.

Such a floor! It won't let the tiniest draft squeeze into that fairyland. Somehow it keeps itself so spick-and-span for those hands-and-knees adventures (the Accolac-Processed surface, we think, has something to do with that!) Nor does it ever let spilled things spoil its smiling lacquer-sealed face. And it's such a comfy floor on which to try those tiny tumbles. Mother was wise to have that Armstrong Floor cemented over warm and resilient linoleum lining felt!

Some day this nursery will be played in all day long. The Armstrong Floor won't mind that, either; in fact it was built for years of the hardest wear, with every color inlaid to the sturdy burlap back.

Aren't all these mighty good reasons for Armstrong's Linoleum for every room in the house? Unless you'd like to add just two more—the wide variety of eye-appealing patterns and the very, very generous range of prices. These two, of course, are a most delightful discovery one makes when shopping in some good Linoleum, furniture, or department store.

Up to date kitchens in ancient styles

(Continued from page 57)

which the Dutch household has always been known. And here is a more casual adapting of old-country cottage details than in the other interiors depicted.

The ubiquitous tiles of the Dutch interior are simulated in the floral-patterned oilcloth providing sanitary convenience. The "hooding" so typical of Dutch architecture is effected in a practical shelf for the retaining of glinting kitchen containers of brass, pewter and earthenware. What a pleasure it will be to burnish to brightness even a lonely sink, if it is raised above the level of the humble by a resplendent blue!

About the unit in which the sink is incorporated there is more to remark. A ventilator, which the old Dutch kitchen distinctly did not have, is a valuable feature. An enclosed section below the sink and another cupboard on the left are assets to compact convenience.

Could one want a more studiously decorated linoleum for flooring—the blue and green in fresh blue and white, so superbly suited to Dutch decorating, still being available? Its frankness is in such good harmony with gingham checks and squared linoleum.

This above kitchen that is within easy access to a small back porch, has enchantment within its painted blue doors. Back of the one on the left is concealed a folding ironing board; while the right hand door, opened, reveals a bower set within a cool drapery of netting. And then there is the door to the porch, a quaintly enchanted within its painted blue!

There is no specific style of architecture popular today that cries for an old-time Swedish kitchen, as there are building plans that require Early American, French Provincial and Dutch culinary departments. But such a blithe Swedish theme would not be wholly out of tune in many kinds of homes, and especially not where there is Scandinavian lineage in the background, however far removed. Yellows and blues, beloved of Swedish folk, dominate in the interior suggesting an old-time treatment for an up-to-date kitchen.

The sink is of sunny yellow vitreous china, which shines with the whisk of a cloth to radiant spotlessness. Hand done decorations on cupboards and the most modern of refrigerators reproduce the gayety of motifs to be found in old Swedish weavings. Lettered in old script over the above is a toast that bespeaks the hearty hospitality of the Swedish home. "Eat, drink and be merry" is the English translation of "Åt, drick och var glad." Truly, the toasts and motifs that appeared on the walls of old Swedish abodes usually had a finer phrasing, often of religious import. But for modern Americans, the admonishment to "Eat, drink and be merry" serves well, reflecting a more light-hearted attitude toward the life that is smoothly and graciously run by machinery.

Days of ceremonial importance in olden times prompted Swedish wives to bring out their best weavings and embroideries for the embellishment of walls and furniture. What housespuns on the family board! What vibrantly colorful and handsomely motifed rugs on the floor!

And thus there is rhyme and reason for the lively decorative movement of this fourth interior that unites old-world charm and contemporary convenience.

In all of these interiors, in fact, are workable ideas based on fine tradition. Because the manufacturers are alert to new trends and are cooperating so splendidly, it is readily possible to produce other new-old schemes as complete and completely harmonized as these—altogether delightful and keyed to individual requirements.

Shop for kitchen towels, crockery and breakfast linens, only, and you will find teasing invitation to begin at once on a pleasant peasant plan for a kitchen geared to 1931!

Waterproofing methods for cellar walls

(Continued from page 55)

between the finished wall surface and the cold masonry. There may be some condensation within this space, but it can be taken care of by the inside drains we have previously described.

The type "A" method is to apply an inch or more of high grade insulating material, such as some of the heavier insulating boards or preferably cork board, directly to the masonry walls by means of a hot pitch or a Portland cement mortar carrying a damp-proofing compound. Plaster or any of the decorative paints may then be applied over the cork board or insulating material to give an attractive surface treatment in areas used for living or recreational purposes. This will effectively prevent condensation on the walls and from cold water pipes. For a complete job the floor itself must be similarly insulated by installing some suitable surface floor over the concrete in those areas where dampness cannot be tolerated at any time of the year.

While these methods of creating dry cellars for livable homes may appear complicated and expensive, they are in fact not very costly and before one rejects the idea of adopting the suggestion that appears best suited to his own problems, it would be by all means advisable to consult local contractors and secure actual quotations.

Now

A Screened Casement for Fine Homes

The new Norman Screened Casement by Crittall complements the home of character and distinction. A modern steel window, it offers a new and improved type of screening arrangement. The Crittall Norman Screen lies perfectly flat against the window—it is easily installed and quickly removable. A convenient sill operator permits the window to be opened or closed effortlessly without touching the screen.

Write for a copy of our folder fully describing the new Norman Screened Casement—or ask your architect for complete information.

Crittall Casement Window Company

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The friendly informality of PLANK FLOORS
Exceeds Gracious Hospitality

WHAT contributed more to the air of gracious hospitality in early American homes than the friendly informality of their sturdy plank floors—carefully matched and joined by skilled craftsmen—spotlessly clean and carefully polished?

Today it is easy and economical to have such plank floors that are even more beautiful and durable than the originals.

Uplyco Plank Flooring, scientifically constructed of plywood, in random widths and lengths, is uniform in thickness. It lays perfectly and will not shrink, swell, warp or crack when subjected to the elements.

Ask the lumber dealer or contractor about this new and finer flooring or write us for complete information.


government and Regency houses
(continued from page 73)


THE GRANGE

LUTON HOO

CHARLOTTE SQUARE

HATCHLANDS PARK

BOWOOD PARK

SALTRAM HOUSE

FOR EARLY AND LATE GEORGIAN

LONDON AREA
Greenwich, London, S.E.; Lewisham, London, S.E.; Stepney, London, E.; Richmond, Surrey; Kingston-on-Thames, Surrey; Morlake, Surrey; Petersham, Surrey; The Common, Ham, Surrey; Barnes, East Sheen, Surrey, Chiswick, Middlesex; Hampton, Middlesex; Hampstead, Middlesex; Highgate, Middlesex; Twickenham, Middlesex; Uxbridge, Middlesex; Adelphi Terrace, John Street, London, W.C. 2; Portland Place, London; The Green, St. Mary, Abbott's Terrace and en- viron, Kensington; Chelsea and enviro, London, S. W.; The Mall, Hammersmith, London, W.
Home Movies . . . as simple as snapshots

When you see them on the screen you'll marvel that you took them yourself

PRESS A LEVER . . . whir-r-r! And you've made a movie. That's all there is to it with Ciné-Kodak.

Even if you've never made movies before, your films are clear, bright, sparkling with quality—the very first time you try.

Gay days at the beach, scenes from your travels, the merry romp of your children, the dancing gallop of a polo match—any action you'd like to remember is caught by Ciné-Kodak and kept for the years to come.

Into this compact little camera Eastman has concentrated all the essentials of movie-making. Ciné-Kodak Model M is the lightest camera that loads with a full 100 feet of 16 mm. film. Developing, done by Eastman experts, is included in the price of the film.

Stop in at your Ciné-Kodak dealer's and ask him about the $75 model. Kodascope projectors, for showing your pictures, as low as $60. On easy terms if you wish. Eastman Kodak Company, Rochester, New York.

Now . . . take movies at NIGHT

Ciné-Kodak SUPER-SENSITIVE Panchromatic Film, a recent Eastman invention, puts Ciné-Kodak on 24-hour duty. Indoors at any hour and outdoors on even the duller days, Ciné-Kodak can catch the scene in action. With this new film, Ciné-Kodak (f1.9) makes brilliant movies indoors by the light of ordinary 100-watt bulbs in ordinary living room lamps.
Flexible Trays for Your Refrigerator

A flexible rubber tray is made to fit every automatic refrigerator—Delft Electric—Quickfreeze for Frigidaire—and Flexozer for Westinghouse, Kelvinator, Copeland, Leonard, Electrolux, Servel, Universal, and others. See the local dealer of your make of refrigerator or write us direct, giving make of refrigerator and number of ice cube spaces in your present trays.

The Inland Manufacturing Co.
Dept. M
Dayton, Ohio

EXPLANATION OF RIPLEY'S CARTOON BELOW

... AT LAST — A MODERN ICE TRAY

Preparing iced drinks is no longer a troublesome, messy task. Because these new freezing trays are made of flexible rubber, it takes only a few seconds to remove one of them from a refrigerator and serve all the cubes—direct from tray to glass instantly. No melting of cubes into the sink—no splashing of water to ruin clothes. Flexible rubber freezing trays are now standard equipment in all leading makes of automatic refrigerators. Inquire upon having this modern convenience in the new refrigerator of whatever make that you buy.
For distinctive autumn schemes . . . this charming SCHUMACHER BROCADE

With the grace and delicacy so characteristic of the French, this effective brocade establishes an air of distinction in a reception room or formal living room. Its rich texture and the soft colorings with their shimmering play of light and shadow make this flowered Schumacher Fabric artistically suited to draperies and fine upholstery. Sold only through decorators, upholsterers and the decorative departments of department stores. Offices at 60 West 40th Street, New York. Also Boston, Chicago, Philadelphia, Los Angeles, San Francisco, Grand Rapids, Detroit.

F. SCHUMACHER & CO.
Accuracy in important details is essential 
(continued from page 69)

expanse of wall, it is called upon to reconcile a jumble of unrelated voids. The louvred shutters on a Georgian house were almost as useful as the windows themselves. They could exclude sunshine or driving rain, yet admit air, if the owner desired. Shutters rightly used can serve not only for protection from the elements, its success is not dependent upon the lavishlyness of the decoration.
Quality in an automobile is not a fixed attribute. It is determined only by comparison with other cars. The standing of any automobile today depends, not so much upon past reputation, as upon how far its builders have forged ahead, or lagged behind present competition. The five new Straight Eight Auburn cars of today not only establish a totally new standard of quality, but also increase the buying power of the consumer's dollar. Auburn's success in again pioneering is reflected in the rapid increase in public acceptance.
**Madonna Lilies**

Loveliest of All!

Home-grown Bulbs from

*The Green Mountains*

- READY NOW -

*Lilium candidum*—snow-white, stately and with the rarest fragrance—grows well in open, sunny places, lives for years, needs little attention and rewards you with many beautiful blooms from late June. Plant this loveliest of lilies for a distinctive garden.

**Solid, Home-grown Bulbs**

direct from the bulb beds, 40c each, $4 dozen, $30, 100

Imported Bulbs (Ready in Sept.)

25c each, $2.50 dozen, $18, 100

Complete printed instructions for planting and culture with each order

Our catalogue of perennials, lilies, rare orchids, and ferns, shrubs and evergreens mailed on request.

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**We also feature**

**REGAL DELPHINIUM**

(Hardy Larkspur). One of the finest strains available today—heavy, compact growth, large individual flowers in long, dense spikes, in colors from pink shades to deep blue, mostly double and truly regal. 35c each, $3.50 dozen, $25, 100.

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**F.H. HORSFORD**

**CHARLOTTE VERMONT**

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**From among the new building gadgets**

(continued from page 75)

that are already fitted and securely attached with copper coated screws in a bed of mastic.

Installation of this new window assembly is said to require only the time of setting the unit in place and plumbing it. Cutting and fitting of trim on the job are eliminated. The steel swing loaves are already factory fitted and hung, and hung in the steel casement frame; and all steel has received a priming coat of paint.

Building paper is extended by the mechanic on the job over the leg of the surround to insure a tight installation. In masonry walls, the surround gives the mass a “liner” for laying up brick, stone, stucco, and mortar tidily and neatly.

A feature of the design is the provision of slots in the backs of the surround to receive, and to accurately locate plaster grounds.

**BILL BOX.** A neat, attractive cabinet for housing telephone bell boxes, or for any description, is available for installment flush with walls in all kinds of construction.

Back, sides and ends are sound resistant, while the front is covered with a removable grille of attractive design.

This unit is supplied in white flat-baked enamel, ready to be treated with any finish. A bushed outlet for telephone cord is provided. The box measures about 11 inches high by seven and a half wide, and is nearly three inches deep.

**VERTICAL TROUSING.** Instead of swinging or sliding, or rolling above the top of the car, the most recently perfected garage door lifts up and down inside the door opening. Without tracks or equipment of any kind on the ceiling, all operating mechanism, as well as door guides and counter balances, is completely enclosed in slender steel casings located just inside the door jams.

Design, it is said, makes this the easiest and quickest of doors to install in old or new buildings. As less than the usual ceiling height is needed, it is particularly desired for basement garages. The door operates easily and quietly; it may be locked or unlocked from either side; there is a flexible weather-strip at the bottom. It is delivered completely assembled, with all hardware and plaster in place. Eight stock sizes are made, ranging, for finished opening, from seven and a half feet square to 10 feet square.

**ACCESS PANELS.** In order that plumbing, steam pipes and wiring may be readily accessible at any time without tearing out a plastered wall, concealed access panels have been perfected. These may be set into the wall and the regular paper or paint finish applied over them; they can be inserted, during construction or later, at all points where access may be required. In case of emergency, the leak or other disorder, making an entrance into the wall necessary, can be quickly reached without ripping out plaster and lath, and damage can be quickly and cheaply repaired.

Edges of the steel frames and the door, when closed, are flush with the plastering. Neither crack nor hard-

---

**There is SKINNER Equipment for Every Watering Need**

To preserve the beauty of lawns and gardens during these months of scorching sunshine, it requires ample rainfall—Skinner Irrigation equipment in either concealed, portable or overhead types furnishes it automatically at the “mere turn of a valve.”

Beautiful sprays of water, rising into the warm air and falling as gently as an April shower, have been devised to provide ample rainfall—Skinner Irrigation equipment in either concealed, portable or overhead types furnishes it automatically at the “mere turn of a valve.”

**RAIN WAVE PORTABLE**

is an ideal sprinkler for immediate service, beautiful in action, efficient, waters 60’ x 60’ square. Shipped on 10 days trial. Write today for details.

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**The SKINNER IRRIGATION CO.**

231 Water St., Troy, Ohio

*Pioneer and Leader for over a Quarter Century*
INSURE YOUR GARDEN

Your garden can blossom in a continuous cloud of fragrance all the summer long—if you follow the experienced counsel of HOUSE & GARDEN'S Second Book of Gardens. From now until the snow flies, your garden can flourish in fragrant banks of color, even when other gardens languish in the scorching mid-summer heat—if you let HOUSE & GARDEN'S experts tell you the secrets of their art.

224 pages, with 650 beautiful illustrations, bring you practical wisdom to assure the success of your 1931 gardening season—whether yours is a rock garden or a wild garden, a brookside garden or a bulb garden, a dooryard garden, veranda or windowbox garden. Here you will find all the most important things you need to know about caring for annuals, perennials, herbaceous borders, vines of all kinds, trees and shrubs.

Richardson Wright, HOUSE & GARDEN'S genial editor, has skimmed the cream from ten years of the magazine, giving you in addition a sheaf of good sound practical tables on what to do day by day through the entire season... the artful quirks that famous gardeners use in selecting garden stock... preparing the soil, planting, cultivation, watering, thinning, trimming—in short, everything you need to make yours a garden of good fortune.

Plant a $5 bill with the coupon in today’s mail... and see the big green garden book come up!

HOUSE & GARDEN'S
SECOND BOOK OF GARDENS
$5 NET • 224 PAGES • 650 ILLUSTRATIONS

The BED-BOOK of TRAVEL

“Hannie, pack the bags!” and off you go on brief, exciting trips to England, France, Italy, Austria, Hungary, Russia, Siberia, Japan, the Caribbean. A scintillating collection of short stories, strange anecdotes, gay discourses and humorous advice to travellers. $2.50

The GARDENER'S BED-BOOK

The whole rural world runs through this book—wheelbarrows, flower shows, chickens, garden manners, seed catalogues, burlers, wives and drain pipes. And for each night there is a bit of pithy advice on things to be done in the garden at that particular time of year. $2.50

The PRACTICAL BOOK OF OUTDOOR FLOWERS

A standard book for all lovers of gardens and gardening. How to treat the idiosyncrasies of perennials, bulbs, annuals, trees, shrubs, and vines. Plans for color combinations, rock gardens, old-fashioned designs. 11 illustrations in color and 167 in doubletone. $7.50

HAWKERS and WALKERS IN EARLY AMERICA

Picturesque vagrants of the past! Strolling peddlers, preachers, lawyers, players, rivermen, dancers. Methodist camp meetings and circuit riders. “There are hints here for one hundred novels, a thousand short stories, an epic of the Open Road.”—Atlantic Monthly. 68 illustrations from old prints. $5.00

FORGOTTEN LADIES

Romantic, gay, ambitious ladies from America’s less-remembered past. Adventuresome cheats who galled the public, lovesick damsels sighing after the first mariniée idols, warlike women who fought in the Revolution and the Civil War. A storehouse of curious destinies. 32 illustrations. $5.00

LIPPIN COTT
WASHINGTON SQUARE • PHILADELPHIA
The beauty that blooms in early tulips

(Continued from Page 64)

Schoennoord, the snow-white Murillo sport, as the best white double early Tulip, is my favorite. It is an old variety but invaluable.

Before speaking of the single early Tulips I want to describe a delightful planting of double early Tulips that I saw last spring. It was at the International Garden Club on the old Pell estate and was the work of our accomplished landscape architect Elwyn F. Wilson. There was a square plot in the sunken garden directly behind the manor house was a simple but formal arrangement of beds planted in two tiers of pink Tulips, the inside bed a very pale, the outer ones deeper. In the flagged path that bisected the garden pale citron Alysium grew luxuriously, introducing a charming color note. Used as accents in the four corners of the garden, great bushes of the Star Magnolia, M. stellata, were in full bloom, and in the embossed walls were bushes of pink Flowering Almond, lavender Hyacinths and purple Pansies, in profusion. Across this were lines of evergreens, then the blue waters of the Sound. A more gracious and enchanting scene could hardly be imagined.

Chosen Varieties

It is difficult to know where to begin with single early Tulips, for there are so many favorites. I like especially those of pink or pink and white coloring and have enjoyed several that were new to me last spring. One was Alice Hope, which is wearing a rich pink tone and very fragrant. It made a nice spot of color among purple Violas. Another was Diadem, still expensive but of the most lovely color tone. A small group of them is like that of a yellow Apple tree, with Grace Hap- cintus and white Narcissus was most attractive. The old Fritsperg, an excellent round cormed flower, is good and delightfully fragrant, and both Roseline and Flowers (not to be confused with the Mayflowering variety of that name) are also admirable. The latter is a full pure pink with a white rib down the center of each delicately crinkled petal. It makes a charming picture with many of the Hallorense-scented double-flowered Arabis. And I am not sure that for bedding the dainty pink and white Cottage Maid, though now missing from many catalogues, is as rare as we thought, lady, has ever been equaled.

A beautiful new mauve Tulip with fawn-colored lights that is shown in happy association with the early-flowering Curry, Lilac, Syringa obata, is well worth having, though again the too of the stock must be rilled to secure it. And another Tulip of rather unusual color is a rosy and finely rounded shape is Lady Moore. The color of this kind is soft reddish copper and the flower has a delicate fragrance.

The most notable of all early Tulips is DeWet. Its extraordinarily luscious effect is produced by a network of scarlet veins laid upon a warm orange ground. Of all other Tulips has just this effect, though the May-Flowering Ar-go when mature, approaches it and is a fine companion. It is one of those which the fine fragrance of DeWet will be forgotten; it is not the least of its attractions. I like this glowing flower massed against everywhere with purple Pansies or Viola tricolor or the ivy in the foreground. If we are in a saving mood, Fred Moore may be used in its place and a gay picture for little cost be had but this situation in Portia Narcissus, and mats of Phalos subulata, G. F. Wil- son. I now have such a planting in my garden that has been there for six years and it serves to me that Tulips are a year. Fred Moore is also a very fragrant Tulip. Of yellow early Tulips there are many good kinds. Rising Sun is one with especially large flowers of deep golden yellow color. These illustrated with the Dogwood have been in the garden since 1912. The price has been reduced in size, Yellow Queen is an excellent variety somewhat taller than Earlyals generally, as indeed is the case. I have Yellow Queen for sale, and also a color though deepening at the edges. For bedding Mon Tresor and Gold Finch are unsurpassed, the former being particularly fine for the shade. The lighter Yellow Early Tulips make particularly attractive and spring-like beds over pale pink English Daisies. and I have seen them used very effectively where standard Wistarias rose from beds of yellow Tulips carpeted with purple Pansies. Standard Wistarias might also be used above beds of pink Tulips, carpeted with Arabis. In my old garden in Rockland County four Standard Wistarias punctuated the width of the garden and in the beds at their feet were white and early Tulips. The effect was enchant- ingly gay. The Tulips used were White Swan, one of the most graceful of earlyi. Tin and three years ago I bought T. gisneriatui spatla- tiata major, which is not a true Early but flowers with white Swan.

Other Desirable

There are numerous other desirable early-blooming Tulips. For a fine purple kind, the old scarlet Prince of Austria, with its delicious scent and long lasting qualities; Cus- lin, a pale primrose with a delicate rose edge, and the always popular La Revere, or Hobbleum, with its strongly lovely blending of rose and fawn and its finely rounded form. But enough has already been said. I think to show that the early Tulips have charm and a very definite usefulness.

Some shrubs and plants that bloom with them like Daphne albus, 3 hills, $2.25 each. White Knight, snowy while; Princess parrot: White Knight, and white, soft lavender. Scotch Plants, Tete- a-Tete, $2.50 each. White Knight, snowy while; Princess parrot: White Knight, 12 hills $25.00. White Knight, snowy while; Princess parrot: White Knight, 12 hills $25.00.

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DAUNTLESS

He's all of that. And splendid as a Rodin sculpture, too...a study in massive grace behind which glows a courage as high as ever the old Vikings had. No wonder he is known the world over as the Great Dane!

And his nobility is a bit contagious, too. His steady eyes tell you clearly that he expects a lot of poise if you're to boss him. No blandishments...no cajoling for him! He likes plain talk and common sense, and you just can't help feeling, for his sake, as though you'd just bought the United States and had your eye on the British Empire.

But if you don't want to specialize on super-dignity, maybe you'd prefer something smaller with a sense of humor, An Irish Terrier, perhaps, red-haired and devil-may-care, or a dour, quizzical Scottie. As a matter of fact, believe it or not, there are more than seventy different official breeds from which you can choose to fill that empty little chink in existence which every human has who doesn't own a dog.

Where are they all? Well, some are right here on pages 25-27. This is the first place to look, naturally. Should it happen that your particular chink-filler isn't here, we know where to find him. That's our job—helping to find dogs that fit.

It's so very simple: write to the advertiser and say House & Garden told you about him, or write to us and let us tell you where to find the dog of your heart. Either way, but don't go on being dogless!

THE DOG MART

HOUSE & GARDEN

To beautify your lawn—landscape—home—garden...choose now from 60 acres—all colors, highest ratings—early, midseason, and late varieties, including lovely singles—gorgeous Japanese. ALL PROLIFIC BLOOMERS—the triumph of 64 years' intensive peony culture. New Fall Catalog, just published, includes BRAND'S Own-Root Lilacs (the new favorite French varieties)—great fields of Iris, Phlox, Delphinium and Oriental Poppies. Write BRAND PEONY FARMS, Inc., 135 Division St. East, Faribault, Minn.

GOOD GARDENS

Grow From Good Stock

It really pays in dollars and cents to buy the strong well-grown plants...the healthy, carefully-selected seeds...the clean fertilizers...the strongly-made garden tools...that are put out by the reputable firms advertising in these pages.

You don't have to buy replacements, when your stock is good to begin with. You get better blooms, in better colors, with less nursing. You aren't distracted by pests introduced through inferior material.

Look over these pages now, and make out your orders at once. If you don't see what you want, ask our Information Service...we'll be happy to serve you, without obligation, of course.

Garden Department

HOUSE & GARDEN

Graybar Building Lexington at 43rd New York City
Each month there will be briefly reviewed here a number of the new brochures, pamphlets and catalogs which have been issued by House & Garden's advertisers. Address the concerns direct for this literature, or indicate by number on the coupon below the material in which you are interested ... mail it to House & Garden's Reader Service Bureau, Greenwich, Connecticut, and we will have these booklets sent to you at once. Where a nominal payment is mentioned please enclose your remittance in stamps.

### TRADE LITERATURE REVIEWS

#### Building Floors

**Bathrooms**

1. "Edge-Lite" Bathroom Carrelt. This booklet illustrates how the Edge-Lite can be used in the bathroom and shows how it can be used to eliminate the need for painted or painted surfaces. Price 25c. E. L. Bruce Co., Memphis, Tenn.

2. Early American Knotty Pine Panel. Photographs of Early American Knotty Pine panels mounted with Diers Notch Pine show the beauty of this wood and the manner in which it can be used in various rooms. Price 15c. Gates Blg., Kansas City, Mo.

3. Thermak, The Fireproofing Insulation. Thermak is described in this leaflet as a service that will increase the beauty of a house and the text describes the advantages of the material in three thicknesses. Thermak Corp., 220 N. La Salle St., Chicago, Ill.

4. Plywood Prefinished Flooring. An explanation of what plywood flooring is, how it can be used whenever hardwood flooring is permissible. United Plywood Sales Corp., Fording Div., Portland, Ore.

5. Caryl's Quilt. Text, diagrams, and photographs show what this insulation material can be used for in your house. Caryl Inc., Boston, Mass.

#### House Building, Misc.

6. Homes of Today. Exterior and interior views of houses built in various architectural periods are pictured in some cases. These homes illustrate the many ways in which modern house building is offered. Sears, Roebuck & Co., Philadelphia, Pennsylvania.

7. Sidewalks, Decks, Walkers and Elevators. The many types of sidewalks and elevators manufactured by this concern are described and illustrated in this booklet. Sidewalk Machine Works, 146 W. 17th Street, New York City.

8. Heating & Air Conditioning


10. Modern Heating Standard. This booklet tells us that the prime requisites of modern heating is to maintain a constant temperature indoors, no matter what the outside weather is. Duro-Flex Heating System is explained. C. A. Dunham Co., Chicago, Ill.

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#### Gardening

11. Garden Furniture & Decorations

12. Garden Furniture. A large illustrated booklet showing a number of figures. A $1.00 charge is made for the booklet when it is returned. B. B. Ackermann, 50 Union Square, N. Y. C.


15. Garden Central, Wicker Stop. A profusely illustrated catalog of wicker furniture of the stick style. Price list is included. Garden Central, Wicker Stop, 212 E. 43d St., N. Y. C.


17. Fencing

18. Anchor Fence. Descriptions and illustrations of types of Anchor Fences that not only protect but beautify your property. Anchor Fence Co., Baltimore, Md.


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#### Radiator Covers

22. New Designs. New Efficiency, New Decor. An illustrated folder shows several models of steel radiator covers, which are available in sixteen colors and twelve models. Price 6c. All Special colors can be had. The Hart & Hutchinson Co., New Britain, Conn.

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#### Travel

23. The Empress of Britain. Showing beautiful color illustrations and describing this new ship, the Empress of Britain, the adventurous and beauty of Monet Metal steel. The International Wagon-Box Co., Inc., 74 Wall Street, New York City.

24. Travel in India. Giving several tours and photographs of interesting scenes. India State Railways, 26 E. 57th Street, New York City.


26. France. Brochure illustrating and describing the important and picturesque French locomotives that can be seen through the medium of the Railways of France. International Wagons-Lits, 201 Fifth Avenue, New York City.

27. In the Heart of France. Traveling through the heart of France, the heart of Burgundy, the heart of the wine country. Price 10c. Simplex Club of Southern Calif., Ltd., 70-1153 S. Broadway, Los Angeles, California.
Destructive insect pests are quickly killed by the use of Wilson's O.K. Plant Spray, the nationally recognized standard insecticide. Protect your flowers, plants, shrubs and evergreens by spraying frequently and thoroughly.

Wilson's O.K. Plant Spray is sold by leading stores everywhere and the genuine may be identified by the trade mark, W.O.K. If your dealer cannot supply your requirements.

Wilson's Awinc (Pyrethrum Spray) Non-poisonous, highly concentrated PYRETHRUM spray. Easily controls more resistant type of insect such as Japanese Beetle, Red Spider, Mexican Bean Beetle, Rose Chafers, Cabbage Worm, White Fly, etc. Complete, requiring only a dilution with water.

Then there is Wilson's FUNG-O ... an efficient fungicide and remedy for Mildew, Black Spot and many other fungus diseases of ornamental and greenhouse plants. Particularly recommended for the Nearia Spot and many other fungus diseases of requiring only a dilution with water.

All who value the appearance of a well kept lawn will find this gadget interesting and of value. House & Garden's Reader Service will be glad to tell you where it can be obtained, if you will write to us about it.

Save the moisture. One of the secrets of success in the summer and early autumn planting of any fertilized material, whether herbesous or woody, lies in checking as far as may be the evaporation of soil moisture while still admitting a normal amount of air to the region of the roots. The more you can regulate and stabilize the amount of water supplied to the roots the greater will be the chance of the plant's coming through the rest of the dormant period in good, healthy condition.

So, after planting and watering very thoroughly, cover the disturbed soil with a sort of evaporation-checking mulch. Ordinary earth, dry and finely pulverized, will serve the purpose well until the next rain comes along, and blends it with the soil underneath. Let it lie in a layer from one to three inches deep—the former for perennials and small shrubs, the latter for trees and large material generally.

Granulated peat moss, too, is an excellent mulching material, and so are ordinary dead tree leaves for Rho-dendrons and other plants which cannot use an acid soil, fallen pine needles work well. At a pinch, grass clippings or coarse hay are not at all to be sneezed at. Whenever, despite the presence of a mulch, it becomes necessary to water again, remove the mulch first and then replace it after applying the water. Otherwise, the covering material will absorb a good deal of the moisture from the roots. The rights should have gone down to the roots.

Quality seeds. Flower and vegetable seeds, quite as much as any other kind of plant material, need to be of the best quality if the maximum satisfaction is to be derived from their use. Poor seeds can no more be extended than good.

(Continued on page 95)

Protect and Beautify your Vines with VYN-TACH HOOKS

TRAIN your vines the modern way this season. Support them on high wire with Vyn-Tach Hooks. The unusual quality and beauty of many fine varieties that have come into bloom during the summer offer you one of the best Orchid values in America today. Inquiries invited. We shall be pleased to have you visit our houses, or send you a catalog.

ORCHIDWOOD: 830 PELHAMAND AVENUE NEW ROCHELLE, NEW YORK

The garden scrap book

The unqualified beauty of one of the best summer planting and available for Spring planting. Send for our new Fall planting catalog.

The unmanufactured place invites trouble. The unprotected family continually lives in dread of unexpected visitations from pests and trespassers. The unprotected place invites trouble—and gets it!

This year Stewart Wrought Iron Gates and Fences are the best value in the market. Stewart Gates are backed by years of experience in the field of quality materials. Stewart is the name you can rely on. Every Stewart Gate is made to order, and each must be fitted to the exact requirements of the customer.

Get your free copy of this great Fall garden guide to know the best varieties of bulbs, for Fall planting. Full descriptions, with many beautiful illustrations, planting information, and a wealth of garden hints.

Burpee's Bulbs Book

DREER'S
Special $1
Rock Garden Offer

Send $1 for our Collection No. 3551 and we will forward 12 packets of Hardy Perennial Flower Seeds with which you can have a beautiful little rock garden next spring.

The collection is made up of such popular flowers as Golden Alyssum, Rock Cress, Columbine, Primula, Aubretia and others equally desirable.

Our Midsummer Catalog lists winter and spring flowering Bulbs and the Seeds which should be planted at this season.

For a free copy mention this publication and be sure to address Dept. K.

HENRY A. DREER
1306 Spring Garden St.

Burpee's Bulb Book

Get your free copy of this great Fall garden guide to know the best varieties of bulbs, for Fall planting. Full descriptions, with many beautiful illustrations, planting information, and a wealth of garden hints.

Send me a free copy of Burpee's Bulb Book.

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Name

R. D. or St.

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State
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Many advertisers offer free booklets and catalogs, but some of our readers prefer not to mutilate their copies of *House & Garden* by clipping coupons. If you are one of these, simply check the name of the advertiser in the list below...write your name and address on the lower margin of the page...tear out this sheet...mail it to *House & Garden* Readers’ Service Bureau, Greenwich, Conn., and the literature will be sent to you.

**Advertisers offering free booklets are indicated by an asterisk**—Those making a nominal charge by †

**On charge booklets or catalogs—please remit in stamps**

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KILLS PLANT INSECTS

EVERGREEN is non-poisonous to humans, birds and pets, but fatal to plant insects (both chewing and sucking types). It is easy to get, easy to use and will be produced only on the growth which comes up fresh from the roots this season.

Blackberries and Raspberries. As soon as these plants have ceased to bear, all the canes from which fruit has been picked should be cut off at the ground line and carried away to be burned when they have dried sufficiently. This will permit the new growths to develop freely.

It may seem a waste of good material to cut down what appears to be perfectly sound and producing wood. Be ruthless and thorough about it, though, for the canes of these fruits will bear but once. Next year's crop will be produced only on the growth which comes up fresh from the roots this season.

Be sure that all your new plants, whether the purchase of nursery stock or the production of seeds, are the best garden decorations and furnishings. Your best insurance for a successful gardening season is to make your garden purchases from the reputable firms advertised on these pages.

Also, we invite you to make use of our information service on any of your special problems, without obligation, of course.

GARDEN DEPARTMENT • HOUSE & GARDEN

Graybar Building • Lexington at 43rd • New York
“TRADE MY TROWEL FOR A NIBLICK?

NOT TODAY, KATHLEEN”

TELEPHONES CONVENIENTLY PLACED HELP YOU MAKE THE MOST OF SUMMER

Summer’s a season to be enjoyed to the full. A lazy, leisurely sort of a season. As the family scatters about house and grounds in search of recreation, be sure there are enough telephones to provide easy, quick communication for every one’s needs.

In addition to the usual telephones—in bedroom, library, kitchen—put other telephones in summer-time places like the sun-porch, the boat-house or outdoors, by garden, tennis court and swimming pool. Then when there’s bridge or golf or a swim in the offing, time and steps are saved and calls can be made without disturbing other members of the family. Conveniences of that kind make for more livable homes and happier lives.

Naturally no two homes have the same telephone requirements. Number, style and location vary widely. The local telephone company will be glad to help you plan the arrangements that will give you the greatest service and satisfaction. Just call the Business Office.
Chrysler Eight
De Luxe

STYLED LIKE THE CHRYSLER IMPERIAL EIGHT

De Luxe Style—De Luxe Comfort—De Luxe Performance

CHRYSLER, so often the pioneer to better things, has now pioneered with an entirely new and better kind of luxury and performance in a car of moderate price—the new Chrysler Eight De Luxe, available in five magnificent body models.

It is a de luxe car through and through, from start to finish, inside and outside.

The de luxe power of a bigger engine. The de luxe comfort of bigger bodies and longer springs. The de luxe smartness of a divided windshield with inside adjustable sun visors. De luxe upholstery of Bedford cord. De luxe interior panels and mouldings of dark walnut finish. De luxe fitments... Everything about the car suggests a car of much higher price.

Its big, quiet engine is completely insulated from the frame by live rubber; has a large, perfectly balanced crankshaft, fully counterweighted—and develops with velvety ease a good 95 horsepower.

Eighty miles an hour—if you like speed—but whether you travel that fast or not, the power that makes such speed possible enables you to glide along at moderate speeds without consciousness of engine effort.

This de luxe performance owes much to Chrysler's exclusive Multi-Range four-speed transmission with Dual High gears. Both are internal gears which make it possible to shift instantly at any time from one to the other, at any car speed, without clashing. There is one high gear for flashing pick-up and bursts of speed in traffic, and still another higher gear for the open road.

Drive this Chrysler. Learn from it the fascinating difference between Chrysler performance and other performance. Enjoy the difference in the way it clings to the road at all speeds; the way it takes the turns; the way it soars up the hills; the ease of its pivotal steering; the positive control and safety of its internal self-equalizing hydraulic brakes.

Chrysler's fine quality, Chrysler's genius for engineering progress, Chrysler's careful craftsmanship, all have made this Chrysler Eight De Luxe a motor car you'll drive with unending pride and supreme satisfaction.

This is a case of fine automobile value made almost unbelievably finer. See for yourself.

CHRYSLER SIX . . . . . . . $885 to $935
CHRYSLER "70" . . . . . . . $1245 to $1295
CHRYSLER EIGHT DE LUXE $1525 to $1585
(Five wire wheels standard, six wire wheels $50 extra)
CHRYSLER IMPERIAL EIGHT $2745 to $3145
(CUSTOM MODELS $3150 TO $3575)

All prices f.o.b. factory; special equipment extra.
Consider your Adam’s Apple!!

Don’t Rasp Your Throat With Harsh Irritants

“Reach for a LUCKY instead”

Now! Please!—Actually put your finger on your Adam’s Apple. Touch it—your Adam’s Apple—Do you know you are actually touching your larynx?—This is your voice box—it contains your vocal chords. When you consider your Adam’s Apple you are considering your throat—your vocal chords. Don’t rasp your throat with harsh irritants—Reach for a LUCKY instead—Remember, LUCKY STRIKE is the only cigarette in America that through its exclusive “TOASTING” process expels certain harsh irritants present in all raw tobaccos. These expelled irritants are sold to manufacturers of chemical compounds. They are not present in your LUCKY STRIKE. And so we say “Consider your Adam’s Apple.”

Emily Boyle
BRONXVILLE, N. Y.

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Including the use of Ultra Violet Rays
Sunshine Mellows—Heat Purifies
Your Throat Protection—against irritation—against cough