Symphony in Color

BY TOMLINSON

miraculously grants to Every Woman
the sure touch of genius in Home-furnishing!

Magic? Almost it is, but magic wrought by careful planning and consummate artistry. Working with fine furniture, fine fabrics and a myriad of colors, Tomlinson takes the uncertainty out of home furnishing...yet leaves in all the fun and freedom to choose the styles, colors, designs and fabrics that reflect your own vibrant personality!

**What is “Symphony in Color”?**

It is a Tomlinson Origination...furniture and fabrics so miraculously coordinated that you may choose at will from an infinite variety of designs with the full assurance that no two colors will clash, that all will blend in harmonious beauty.

**Learn the Economy of being guided by “Symphony in Color”**

Learn how to tune your home to today's smart decorating-trend of mixing styles, designs and color to give variety and accent.

Go to your Tomlinson Store (listed at the left) for your FREE copy of "The Way to gorgeous Living", a colourful brochure brimming with helpful ideas in home furnishing...or send 25c to Tomlinson and a copy will be mailed you.

Sitting Chairs begin at $97.50; Barret and Easy Chairs as low as $87.50; Sofas start at $119.50.

Springdown cushions — down cushions with a coil-spring core — giving the luxurious comfort of down with the effortless upkeep of springs. See this wonderful new cushion.

All are made to order for you with quality.
ARE THERE 2 OF YOU? This "Travis Court Junior" Group is excellent for a small dining room. The interesting round table is copied from one in Fredericksburg, Virginia. It is 45" across, extending to 72". The Duncan Phyfe chairs are admirable with it. The Sheraton sideboard, 54" long, is perfectly scaled for a small room. The Colonial corner cabinet is 36" wide, 17" deep.

ARE THERE 4 OF YOU? Then sit comfortably in Duncan Phyfe lyreback chairs around this dropleaf table, 25"x42", extending to 70". And here is a fine 60" sideboard. The china cabinet with its tracericd doors is 35" wide, 16" deep. All your problems will be solved by Drexel's "Travis Court" group. It includes so many different tables, chairs, cabinets, buffets, servers, that you'll easily find just what you want. For a small dining room you'll particularly like "Travis Court Junior" pieces, in which 18th century styles are deftly scaled to fit today's smaller rooms.

When YOU sit

What problems do you face in furnishing your dining room? Is it a small room? Does it need specially proportioned pieces? Would a regular 68" buffet be too long for your wall? Would a credenza, with ample drawer space, be better? Have you an alcove that needs a charming cabinet? Do you want a large table? All your problems will be solved by Drexel's "Travis Court" group. It includes so many different tables, chairs, cabinets, buffets, servers, that you'll easily find just what you want. For a small dining room you'll particularly like "Travis Court Junior" pieces, in which 18th century styles are deftly scaled to fit today's smaller rooms.

Then create your Dining Room from

Copy of an antique sideboard in Quincy, Mass., with silver drawers and wine cellars. 66"x25" top.

A cabinet showing how Federal makers gave their own interesting individuality to Sheraton models. 16" deep, 20" wide, 79" high.

Moderate-size Sheraton sideboard with bow-front and spacious, beautifully proportioned drawers. 60"x25" top.

This Sheraton server is of the type used in 18th century dining and living rooms. Note the galleried top. 30"x18".

This Sheraton chair harmonizes with Hepplewhite, Sheraton, Regency or Federal styles.

Place this console under your Regency mirror, your modern etching or your Old Master. Top 42"x20".

A lovely oval two-pedestal table is a real find! The 44"x66" top opens to 102" for parties.

LOOK FOR THE DREXEL SEAL ON EACH PIECE
DREXEL FURNITURE CO.
DREXEL, NORTH CAROLINA
We have included in this group some of the best known and best loved 18th century styles. For example, you’ll find stately Chippendale ladderbacks and Hepplewhite’s beautiful "Twining Heart" chairs. Yet this is our thrift group. It is very moderately priced, appealing to all with budget purses and good taste. If it is just what you’ve been seeking, learn more about it! Even in a double-spread we can’t begin to show you a complete picture of this group, and there are many other interesting Drexel groups, too... so send 10c with coupon for our illustrated booklet, and we’ll give you the name of your Drexel dealer.

ARE THERE 6 OF YOU? This Duncan Phyfe lyre table, ideal for six, is 42"x62" extending to 98". Hepplewhite shieldback chairs are charming with it. The Sheraton sideboard is 67" long. The cabinet is 35" wide, 16" deep, 70" high.

ARE THERE 8, 10 OR 12 OF YOU? We show this fine table set for 6 and as you see, it could easily accommodate more. It is 42"x62", extending to 122". (Delicate lace detail shows its beautiful polished top to great advantage.) Use Chippendale chairs with it for a stately effect. The sideboard is copied from an original piece in Massachusetts. The cabinet is Sheraton in mood.

Drexel’s "Travis Court" Group

Serpentine Sheraton sideboard with "apron" front and ample drawer space. 67"x24" top.

A rather unusual table, lovely with sophisticated Regency or Sheraton furnishings. The 42"x62" top opens to 98".

This credenza has six good-sized drawers, and two cupboards. 62"x21" top. Also in a junior size, 54"x24".

This perfect quarter circle china cabinet has curved doors, giving one-third more shelf space. 21"x30", and 70" high.

A fine Chippendale ladderback with true Chippendale seat and correct straight legs.

A Duncan Phyfe table with graceful pedestals for your Colonial dining room. The 42"x62", top extends to 98".
NEW CREATION!

Wafer Thin Mints

There never were minis like these before—the thinnest, daintiest, delicate, delectable chocolate mints you ever tasted... wafer thin and smartly square. Only at Schrafft's... one dollar a pound. Fifty cents a half pound.

SCHRAFFT'S

Send mail orders to 58 W 23rd St., N. Y. C. Add postage.

Sail into Spring

Oriental porcelain SAMPAN, a nautical flower container. Come aboard today for flower arrangement prizes!

In white porcelain
18" long, $10.00
15" long, $8.00

YAMANAKA
680 Fifth Ave., New York

COLONIAL REPRODUCTIONS
by skilled craftsmen

There's the integrity of old-fashioned handicraft built into this handsome furniture. Each piece is made by students in Berea College, whose education is financed by the proceeds of its sale. All sales are direct to the customer.

The GOVERNOR WINTHROP SECRETARY

In native, unstained woods—wild cherry, walnut and maple—Honduran mahogany. Size: 34 in. wide by 18 in. deep by 45 in. high; shelves 15 in. deep. No. 4992—$299.00—F. B. Berea, Kentucky.

STUDENT INDUSTRIES

YT BEREA COLLEGE
Dept. 4 Berea, Kentucky

our idea of
MODERN!

Without the burden of tradition, Modern decoration stems from basically new design and utility in keeping with our grown-up age! Since we delve in the realm of ideas, Modern can be creative, lovely, satisfying... if done with intelligence and imagination. Modernage knows how!

Submit your decoration problem... we'll give you a Modern solution!

ST. GERMAIN

Enchanting French Wallpaper

A design with a delightful tone-in-tone formality for those who enjoy the light touch. Subtle mauves and aquas on delicious petal pink or cool sand backgrounds. $4.75 per roll. Ask for illustrated booklet G-5.

ST. GERMAIN

Enchanting French Wallpaper

A design with a delightful tone-in-tone formality for those who enjoy the light touch. Subtle mauves and aquas on delicious petal pink or cool sand backgrounds. $4.75 per roll. Ask for illustrated booklet G-5.

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Modernage

162 East 33rd St.
New York

SHOPPING

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Modernage

162 East 33rd St.
New York
AROUND

If you are interested in any of the things shown on these pages, kindly address your checks or money orders directly to the shops mentioned in each case.

To sustain the gala mood of your dinner party to the end, put these little floating flower-candles in your fingerbowls—then await the exclamations of delight as they are placed before your guests. They come in white, pink, blue and yellow and cost $3.25 a dozen. Malcolm's House and Garden Store, 524 N. Charles Street, Baltimore, Md.

Wise bunnies will leave these furry plush gifts in the nursery on Easter Eve, for what could make being tidy more fun? Both the pajama case and hangers are decorated with such favorites as chickens, kittens and rabbits and come in pink or blue. Case, $2.50. Set of three hangers, $2.50. Young Books, 714 Madison Ave., N.Y.C.

Easter gift for the home: Filled with fruit and sweets, what could add a more hospitable air to indoor-outdoor rooms than this solid maple table with deep hewed top? Or you might like to use it for sewing or knitting. It stands 21" high and the diameter of the bowl is 15". Price, $11.95, express collect. H. A. Milton & Co., P.O. Box 95, Westfield, N. J.

Wild Rice

MOTHER NATURE'S DELICIOUS RARITY


$1.00

Per Lb. Order Today. Postage prepaid in U.S.A.

MATH BARZEN CO., INC., THIEF RIVER FALLS, MINN.
EASTER DELICACIES
Genuine Smithfield Va. Hams
When cooked by our special method they become grain of Southern cooking, carefully basted in their own juices and deliciously sugar coated. The result is a tasty richness and luxurious flavor. We use only the Genuine Razorback, raised and cured in Smithfield.
Cooked, glazed and ready-to-serve:
Whole Hams 7 to 10 lbs. $10.00 per lb.
Boneless Hams 7 to 10 lbs. $15.00 per lb.
They make Handsome Gifts!
Free delivery in city. Postage additional elsewhere. Write for Booklet "B"

NO. 88
KNEE-HOLE DESK
OR
VANITY DRESSER BASE
42" long; 16" deep; 28" high.
Made of selected poplar. Price at factory unfinished, sanded ready for finishing $10.00. Finished imitation walnut, maple or mahogany $12.00. Weight 65 pounds.
Express prepaid for $2.00 extra.
FORREST ADDITION
FLOWERY BRANCH GEORGIA

JANE AMHERST
Vernent NEW PARTY FOODS

Weddings Ahead!
Here's a gift both the bride and groom will enjoy: a lovely mahogany tray, for cigarettes—cigars too, if you will, $18.50. The round wooden ball lighter, in mahogany, $5.00; the mounted ash tray of old Lawren, $12.50. Other ash trays from $1.50. And don't forget the Alice Marks Easter baskets and packages!

Mail Orders filled promptly
Alice H. Dawes
6 East 52 St., N. Y.
Plaza 3-7332

CANDLELIGHT at the turn of a switch with CANDYLBEME electric bulbs

Merely insert Candybeme Bulbs in your present candle-type fixtures — turn the switch and you have the closest stimulation to candle light that has ever been obtained electrically.
Candybume Bulbs bring new beauty and richness to your candle-type fixtures, setting them off to your best advantage. Candylbeme Bulbs are recommended by leading architects and interior decorators for their enchanting realism.

ORDER NOW
Candylbeme Bulbs are available in standard or candlebume base for 110 volt circuit.
Clear . . . 50; Frosted . . . . 55:

BUTLER-KOHAUS, INC.
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ST. LOUIS, MO.

ENGLISH BONE CHINA

Amsterdam's largest retail stock selection at lowest prices of open stock English Bone China. New dinner ware booklet will be sent on request.

HERBERT S. MILLS
11 KING ST. E. • HAMILTON, CANADA

EASTER gifts for a lady who makes a fine art of arranging her flowers:
The one is a chest of six flower holders. And the other is a five-petal shaped vase of palest blue porcelain on a teak stand. The vase, 6½" in diameter and 2½" high, with stand is $4.00. The chest of flower holders, $1.25. Both from Yamanaka, 600 Fifth Ave, N. Y. C.

Express your artistry with this simple but effective bit of needlepoint. Set of three luggage rack straps with two flowers finished in petit point, needles and wool, any color, $7.50. Or with design worked except background, also $7.50. Rack available in wood finish or painted pastels, $4.25, express collect. Sara Hadley, 11 E. 54th St., N. Y. C.

Crystal, crystal everywhere—and lovelier at every turn. This deep, blossom-shaped ashtray, about 6" in diameter, is heavy crystal and convenient for lighted cigarettes, cigars or a pipe. Matching lighter comes with either chromium or gold top. Ash tray, $2.00, lighter, $4.50. Express collect. Smart Gifts, Inc.—Carrie Frey, 200 W. 86th St., N. Y. C.

A graceful coffee table such as this one, made of prime bleached Tahiti rattan, will lend a room that blond accent found so frequently in the smart décor. It is 16" x 30" and 10" high, with blond maple top. And it may be ordered in either spar varnish or wax finish. $9.95 at The Grand Central Wicker Shop, 217 E. 42nd Street, N. Y. C.

SHOPPING

TIER TABLE
Mahogany, with four-piece mahogany swirl tops. Inlaid feet with brass toes and casters. Brass gallery and finial. Size, upper tier, 18" x 18"; lower tier, 24" x 24". Height, to top, 33".

RESULTS ARE CERTAIN WHEN YOU CONSULT A DECORATOR

AdamsInc.
INDIANAPOLIS
AND HARBOR SPRINGS, MICH.
AROUND

YOUNG BOOKS, INC. 714 MADISON AVE, NEW YORK

Plates for Wedding Presents. Impressive but inexpensive—$5 each. Copied from amusing old French prints called "Les Sports."—each plate a different design, 1/2" blue border. Series showing "Inventions" or "Country Scenes" also available.

GARDEN ORNAMENTS

Dancing Girl
Gracefully modeled figure of charming proportions, delightfully poised, can be used in a fountain or pool or on a pedestal at the end of a short vista.

LEAF
Bux 21" $15.00
Bux 26" $16.00
Bux 36" $24.00

Garden Decorations
Illustrated brochure of distinctive bronze, lead, marble, terracotta, stone and composition stone on request.

Galloway Pottery on display

EIRKS STUDIOS
Established 1906
123 East 24th St., New York

YOUR GARDEN
Enhance its natural beauty with shapely, colorful Terra Cotta. Sun Dials, Jars, Vases, Benches, Casing Globes, Bird Baths etc. Send 10 cents in stamps for illustrated brochure.

THE CANTON MALLEABLE IRON CO.
ESTABLISHED 1892 - CANTON, OHIO

Make Logs Burn Better
Simplify Laying and Care of Fire
3 Lengths Available

Modernize your fireplace with a pair of Canton "Certified" Malleable Fire Dogs! They improve appearance—protect your andirons—make fireplace easier to clean—keep logs from rolling—and, above all, insure a better, more enjoyable fire because draft is increased.

Three lengths available—STANDARD—18" long; SUPER—24"; SELECT—15". Fit any andiron. Firedog stands behind andiron straddling bar. Canton Fire Dogs are unbreakable, guaranteed forever under normal use. Ideal as gifts.

Only $4.50 Per Pair Delivered. Standard and Select Models. Super Model—$10.00
Order by Model Name
(Add $.50 west of Mississippi River on all orders)
Money Back If Not Satisfied

Early American Egg Skillet
ASH TRAY
Authentic malleable iron reproduction of 3-legged Colonial Egg Skillet. Ideal ash tray for recreation rooms, cottages, porches, etc. Attractive gifts. Have quaintness of hand made ware. Dish, 3 1/2" diameter. Handle, 3 1/2". Stands 1 1/2" high.

Price delivered $1.50 Per Pair in U. S. . . . E150 FAP

Prompt delivery. Send check or money order NOW to: Dept. A

The Littletree Company
East Hill Station, Pensacola, Florida

Specially Designed Full Length Pads for the Chairs and Settees—Attractive Colorful Green and Black Flowered Pattern. Sells to Leisure Out in the Rain. $0.50 Per Set.
GAY DECEIVERS
Parky Little Ash Trays that masquerade as Houses, and cunningly contrive to keep your cigarette ashes from blowing around. Smoke rises coily from the chimney when your cigarette rests on the door sill. Line them up on your dinner table, use them for favors, poke them in odd, convenient corners about the house. Of white porcelain, they are made in the U.S.A., and patented.
$2.00 per half dozen (postage included)
Send check or money order
RENDZEVOUS GIFT SHOP
52 West Pilot Street
Pontiac, Michigan

CAST IRON TREE
SETTEE
#111 fits 32" diameter Tree.
$30.00 undecorated—$32.00 painted.
#211 fits 38" diameter Tree.
$36.00 undecorated—$38.00 painted.
Freight prepaid.

DO YOU LOVE BIRDS?

Provide them with a winter haven. Birds flock to this attractive SWING FEEDER that masquerades as a House, and cunningly contrive to keep their nesting season. Yet in a jiffy it can be converted into a Winter feeder. For wrens, chickadees, or the housemouse, order "A" model; and "B" for bluebirds, tree swallows or downy woodpeckers. Either is $2.00. Mitchell All-Metal Feeder Co., South Lancaster, Mass.

CAST IRON TREE
SETTEE

HERE'S A SIMPLE PRACTICAL WAY TO BUILD ONE:
Just enclose the Hancock Skeleton Unit in mansion and you have an Outdoor Fireplace that functions perfectly.

HANCOCK IRON WORKS
63 West Pkia Street
Pottsville, Michigan

MY HOUSE HAS THE FRAGRANCE OF A GARDEN THE WHOLE YEAR "ROUND!"... says delighted user of
FRAGRANTIAUR HOUSE PERFUME

"My house has the fragrance of a garden the whole year round!"... says delighted user of
FRAGRANTIAUR HOUSE PERFUME

MAIL COUPON FOR TRIAL OFFER—$1.50 VALUE ONLY $1.00
Perfumer S. 2 oz. of parfum oil, both with $1.00 postage, or C. 0. D. plus postage.

FRAGRANTIAUR Co., Dist. "71, Broadway, New York, N. Y.

I enclose $1. Solid 2 oz. bottle of parfum oil and Pine Cone Perfumer as illustrated.
Save C. 0. D. $1 plus postage. Check choice of your star.

SHOPPING

DURING the nesting season this bird house provides a snug home for a feathered family. Yet in a jiffy it can be converted into a Winter feeder. For wrens, chickadees, or the housemouse, order "A" model; and "B" for bluebirds, tree swallows or downy woodpeckers. Either is $2.00. Mitchell All-Metal Feeder Co., South Lancaster, Mass.

If you are following the Regency trend you will be particularly interested in these ebonized mahogany-finished lyres. In niches, on commodores or pedestals, they will do much to enhance a room's architecture as well as its decor. Size 25½" x 14" x 5½". $44.00 each plus postage. Davidson, Ltd., 420 N. Orleans, Chicago, Ill.

Two gay boxes of Scotch biscuits for the gourmet. One holds 12 oz. of crunchy shortbread and the other 15 oz. of crisp oatcakes that are rolled wafer thin. Both tins are hermetically sealed to assure freshness. The shortbread is $1.25 and the oatcakes 90c. The Fruit Shops of Herbert Strausser, 110 E. 50th Street in New York City

Two items to delight those interested in the finer type of Mexican arts and crafts. The glazed pottery horse, about 9½" long, comes in numerous lovely muted shades. And the fragrant wooden box is sky blue lacquer with lacy design in white. Size 4" x 2½" x 1½". Horse, $2.50. Box, $1.50. Both plus postage. Pogo, 765 Madison Ave., N. Y. C.

Tax never sets on good-looking Chinese rattan peel furniture, for it is found in gardens and on terraces around the world from Hong Kong to Hollywood. This well-made bamboo and rattan armchair, with 18½" seat, is $14.00 and the 16" high stool or table with 14" x 14" top is $5.00. Gunn & Latchford, 233 Fifth Ave., N. Y. C.
Two pieces either to add to or start your collection of "modern heirlooms". The bonbon or powder box is brass with flowered enamel top in sophisticated pastels, 4½" in diameter, 1½" tall. $28.00.

Sterling silver mirror, 3½" in diameter, with sun decoration (or your initials), $15.00. Parzinger, Inc., 54 E. 57th Street, New York City.

Nothing is more "un-smart" than improvised cocktail accessories—although the items required are few and need cost comparatively little. A Martini pitcher is particularly useful. This handsome crystal one with chromium trim holds 45 ozs. Pitcher and chromium spoon, $6.00. Alex Anderson & Son, 912 Nicollet Ave., Minneapolis, Minn.

To give conversation a flying start pass around these Air-O-Signia coasters with your refreshments. They are made of cork and each has the brightly colored wing insignia of a different country's air force. A set of 8 costs only $1.25, plus 15c postage. You can order them from Oddities by Jean McKay, 872 Madison Avenue, N. Y. C.

Any little boy or girl would long remember this gay green and yellow basket filled to overflowing with Easter candy bunnies, chickens, eggs, bullpops, etc. And the ribbon and Spring flowers decorating it are lovely enough to trim a lilliput's Easter bonnet. $1.50 plus postage. Order the basket from Schrafft's, 50 W. 23rd Street, New York City.

Such superb featherweight tools as these will be among those the true gardener looks upon as valued friends. Of English stainless steel with handles of the finest wood, they will not break, bend or tarnish. Length of the fork tines 9", handle 29½". Spade blade is 9¾", handle 28". Each $12.50. Stump & Walter, 132 Church Street, N. Y. C.

CHESSE WITH WINE

in Decorative Crocks

Originated by Vendome—prepared in true epicurean style, smooth, flavorful—pungently delicious! Pack ed in a beautiful, imported colored jar which has many after uses. Contents 3 lbs. A splendid Easter gift for yourself or someone dear.

Cheddar in Port 3.25
Edam in Sauternes 3.25
Gorgonzola in Brandy 2.25
Stilton in Port 4.00

Shipping Charges Collect
Also available in earthen colored crocks in 4, 8, 12 and 24 oz. sizes. Write for Catalog "CL."

ROSEMONT RUGS AND CANOPIES

Authentic reproduction of historic pieces, many designs from Metropolitan Museum rugs. Write for free booklet showing prices and histories of the old designs.

LAURA H. COPENHAVER
"Rosemont"
Marion, Virginia

Air-O-Signia Coasters

Cost
No
More

ASAM WALLPAPERS

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PITTSBURGH • HARRISBURG • LANCASTER • POTTSVILLE • READING • WILMINGTON • CAMDEN

Plan your garden about
LOVE, THE PEDDLER

This unique figure and other charming leads can be made the central motif of large or small gardens at surprisingly low cost!

"Gracious living" amid backgrounds of beauty at moderate cost. That is the epitome of WALLPAPERS by ASAM.
Indoor-Outdoor Thermometer
- A clever metallic hub outside records accurately within the house the outdoor temperature as well as the comparative indoor reading. Simply and permanently installed in a few moments without drilling holes in wall.
- Black bakelite case, chrome trim; 9½" x 2½".
$6.25 complete

M. T. Bird & Company
39 West Street Boston Massachusetts

Unusual Opportunity
To fill in your gotten, brushed and etched patterns of flat silver. We have accumulated more than four hundred of these patterns, costs as:
Bartholomew
Bridal
Bud
Butterfly
Cloverleaf
Colonial
Fret
Grecian
King Edward
Lantern

Lead Flora
Lima B
Lincoln
Lisbon
Napkin
Old English
Paul Revere
ReTail
Rosettes
Violet

Your Monogram
Cut on a chrome trimmed crystal cigarette box. It has a hinged lid and three compartments. Each will hold a full package of cigarettes. $5.00
Matching monogrammed ash tray. $1.50
When ordering please print initials clearly.

MARY EYERS SHOP
648 Mt. Prospect Ave.
Newark, N. J.

Unusual Silver
We have one of the largest stocks of unusual silver in the country. To order from our complete listing. Correspondence solicited.

Julius Goodman & Son
41 South Main St., Memphis, Tenn.

Your Monogram cut on a chrome trimmed crystal cigarette box. It has a hinged lid and three compartments. Each will hold a full package of cigarettes. $5.00
Matching monogrammed ash tray. $1.50
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To fill in your gotten, brushed and etched patterns of flat silver. We have accumulated more than four hundred of these patterns, costs as:
Bartholomew
Bridal
Bud
Butterfly
Cloverleaf
Colonial
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Lead Flora
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Violet

Your Monogram cut on a chrome trimmed crystal cigarette box. It has a hinged lid and three compartments. Each will hold a full package of cigarettes. $5.00
Matching monogrammed ash tray. $1.50
When ordering please print initials clearly.

MARY EYERS SHOP
648 Mt. Prospect Ave.
Newark, N. J.

A pair of unusual "going away" or "stay-at-home" gifts. The 11½" x 12" pillow will stay put under your head—thanks to a weighted strap which is simply thrown over the chair back. In any color brocade, linen or cretonne. $3.50. The attractive knitting bag with ring handle comes to match. $8.50. Pusey Gifts, 14 E. 56th St., N. Y. C.

Household miracle worker that removes stains or liquor, heat or water marks from furniture. It is also excellent for cleaning and polishing varnish, shellac or lacquer surfaces. A half-pint bottle costs $1.00. Its name is Reviva and it is the latest addition to the family of our old friends the Jackson of London Products, 25 W. 51st Street, N. Y. C.

To enliven that uninteresting wall in the dining room, hall or sun-room we suggest these lacy brackets of hand wrought iron with bisque-colored flower holders of hand-turned unglazed pottery. Outside measurements: 12½" high by 4½" wide. Price $4.00 each plus postage. Order these from Regina, Inc., 1049 Bardstown Road, Louisville, Ky.

Here is a tin-lined 1½-qt. Swedish copper jelly mold of such a delightful floral design that it is decorative enough to hang in the dinette or Provincial or Colonial dining room. It comes filled with those wonderful Scandinavian mints, "polka grisar", and costs just $2.00. The National Importing Co., 249 Atlantic Ave., Boston, Mass.
EXTREMELY simple yet oh so sophisticated are these accessories of heavy twisted brass wire. While they are definitely modern they will, like most things of good contemporary design, blend perfectly with the best things of other periods. The price of the bowl and candlestick set is $12.00 plus postage. Rena Rosenthal, 485 Madison Ave., N. Y. C.

You may be sure that these “Ham and Egg” plates will never fail to give party conversation a merry start. They are 8½" in diameter and the amusing “picketed” decorations are in bright colors on a white ground. The price is only $5.50 for a set of six plates, or $11.00 a dozen. Rendezvous Gift Shop, 527 Bangs Avenue, in Asbury Park, New Jersey.

MADE according to a treasured old recipe, this deep golden marmalade calls for three different fruits and its “home-made” texture and tangy citrus flavor make it the high note of both tea and breakfast. 2 one-lb. jars $1.00. Case of 2 doz. Vi-lb. jars, $5.95. Price plus 20% W. of Mississippi. Country Kitchen Products, New Canaan, Conn.

WE have just discovered a new game which we predict will “sweep the country”. Its name is “Navy Chess” and besides offering a challenge to your wits and eye it has all the excitement of swiftly changing current international affairs. The price is $2.00 anywhere in the U.S. or Canada, Order from Robinson-Lee Co., E. Boxford, Mass.

BECAUSE it can bring a romantic charm to the most jaded garden, cast iron furniture seems happily here to stay. This decorative arm chair is 22½" wide and 20½" high. Price $9.00 unfinished, $13.00 painted. $1.00 additional W. of the Rockies. Price $5 less each if more than one chair is ordered. From the Graf Studios, Wilmington, Ohio.
The DOG MART OF

The Golden Retriever

There is probably less doubt about the origin of the Golden Retriever than there is concerning that of many other breeds. This sporting breed, in the form we know it today, dates back to 1860, for it was in that year Sir Dudley Marjoribanks visited a circus at Brighton, England, and saw the immediate ancestors of the Golden.

The circus was featuring a troupe of Russian performing dogs that was doing a rather elaborate routine under the direction of its Russian trainer. The feats accomplished by the dogs impressed Sir Dudley, and after the show he made an effort to purchase a pair of them. He reasoned that the same intelligence evinced in performing could be put to great use in the field.

The Russian trainer, however, proved a problem. He refused to sell a pair on the grounds that it would ruin his act. Perhaps it is just as well that he refused, for Sir Dudley—who was later to become the first Lord Tweedmouth—countered by making an offer for the entire troupe of eight dogs. The deal was accomplished.

This proved a fortunate purchase, for instead of acquiring two dogs that he probably would have used merely for sport afield, Sir Dudley received enough stock and enough variety of blood lines to indulge in some extensive breeding experiments.

These dogs were called Russian trackers, and they came from a very old breed that had served the usual variety of purposes in its original home in Asiatic Russia. One of the chief uses of the Russian tracker was as a guardian of the flocks of sheep, and he was admirably adapted to withstand the rigors of the severe Winters of the Caucasus Mountains where he made his habitat.

The Russian tracker was a much larger dog than his descendant, the Golden Retriever, for the original breed measured about 30 inches at the shoulder and often weighed as much as 100 lbs. Today the males weigh from 65 to 68 lbs., the bitches from 55 to 60 lbs. The old breed was well protected from cold, and also from the attacks of wild animals, by an unusually thick, double coat. This coat, incidentally, was almost taffy-colored.
The story is told that the Russian tracker was possessed of such intelligence, and was so admirably adapted to stand the long, hard Winters, that the shepherd often left the dog in sole charge of the sheep for months. The man would build a shelter, provide a big cache of food, and then would return to his home. When Spring came, the shepherd would set forth again and find the flock just as he had left it.

Of such ancestry were the dogs that Lord Tweedmouth established a breeding kennel at his Scottish seat in the Guisachan deer forest in Invernesshire; and these dogs were bred without out-crossing for ten years. The big breed continued to prove intelligent, but there was no game in Scotland suitable to the size of the tracker. Many British sportsmen who saw them working thought the breed too cumbersome.

About 1870, Lord Tweedmouth abandoned his efforts to establish the breed in its original form. The records do not reveal whether or not he tried a number of crosses, but it is established that in 1870 he crossed the Russian tracker with the bloodhound. As far as known, this is the only cross.

Crossing with the bloodhound caused a reduction in the size of the breed; an intensification of scenting powers that already were considered a little better than average; a refinement in the texture of the coat; and a darkening in color.

The Golden Retriever of today is very close in appearance to the dogs of 60 years ago. In fact, the pictorial history of the breed is complete from its early days at Guisachan. Two photographs are still in existence of Nous, regarded as the best of the group of dogs purchased at Brighton. There is another of a dog bred at Guisachan about 1871, and one of a group of Goldens owned by Col. W. Le Poer Trench in 1908. There is an ancestor to the dogs of 60 years ago. In fact, the pictorial history of the breed is complete from its early days at Guisachan. Two photographs are still in existence of Nous, regarded as the best of the group of dogs purchased at Brighton. There is another of a dog bred at Guisachan about 1871, and one of a group of Goldens owned by Col. W. Le Poer Trench in 1908.

Regarded by many in America as simply a retriever, the Golden Retriever made its first appearance in the United States just before the World War, but interest in him rather flagged until half a dozen years ago when several breeders began importing some of the specimens from England. Still a rare breed, it is likely that within the next decade the Golden Retriever will make appreciable progress. (Continued on page 10)
WHY YOUR DOG NEEDS EXTRA VITAMIN B,

It is Necessary for HEALTHY NERVES, GOOD APPETITE and NORMAL DIGESTION ... Your dog needs plenty of Vitamin B, REGULARLY, because this vitamin is not readily stored in the body. Fleischmann's High-Vitamin Yeast, rich in Vitamins B, D and G, Mix it with your dog's food regularly. Dogs like its flavor. Get a can today.

Fleischmann's Yeast for Dogs
CONTAINS VITAMINS B, D, G

Sold at Dog Counters Everywhere

WHY YOUR DOG NEEDS

(Continued from page 9)

THE DOG MART OF

Dalmations and
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TALLY HO KENNELS, Reg.
P. O. Box 239, Oyster Bay, L. I., N. Y.

Dogs may be seen by appointment only. We do NOT publish a catalogue. Kennel Telephone: Oyster Bay 1344
Mrs. L. W. Romney, Owner
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Great Pyrenees and Norwegian Elkhounds
PUPPIES AND GROWN STOCK
ADD-EN-ON KENNELS Reg.
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Golden Retrievers have achieved their hard-won position in the gun dog world by sheer merit and outstanding ability as hunting dogs. Goldwood Pluto, Goldwood Kennels, has been run in many trials

The Golden Retriever coat has the great advantage of never smelling "doggy". And consequently frequent bathing is unnecessary, but they require daily grooming. A Golden from the Tonkahof Kennels

THE DOG MART • HOUSE & GARDEN

Askg the dog mart

Whether your dog is just a bit of animation for all his soul in his eyes, or a cherry six-footer who knocks you over with joy every time he sees you ... you will need to consult The Dog Mart at times on your canine problems.

Perhaps it's about the proper feeding ... or barking and growling ... or how to train your dog ... or what to do when he mopes about the house and won't eat. Whatever it is, why not write to this Department?

The manager of The Dog Mart will gladly share with you his wide knowledge of dogs gleaned from years of experience. Just write him about your problem . . . and he will help you, without obligation, of course.

DACHSHUNDE

NORWEGIAN ELKHOUNDS

SHETLAND SHEEPDOGS

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EFFECTIVELY REMOVE LARGEST
ROUNDWORMS and ROUNDWORMS IN DOGS OF ALL BREEDS AND ALL AGES DEPENDABLE
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These Advertisers Will Give Special Consideration to Letters Who Mention House & Garden's Name
What Do You Know About A Dog?

Year by year the number of pure-bred dogs increases in the United States, yet the public generally knows little of them and makes no apparent effort to do so, despite the fact that people come in contact with these dogs daily.

Perhaps 90 out of every 100 persons can tell the make of an automobile without seeing the name plate, but these same 90 will be hopelessly ignorant of the breed of dog they see in the street, and of anything about its habits.

The automobile has become one of the greatest menaces to life in the country, so we have safety campaigns to teach the children how to handle a dog? No—the fear of the animal, with emphasis on rabies, is instilled in him so that he becomes a coward about dogs, and will run from them on sight, and this clings to him when he has matured.

Nothing could be more foolish than to run from an approaching dog. The person who stands his ground probably will escape the dog's teeth, for there is no provocation to the animal, and he will pass on about his business.

If the public wants the safety move to function on a sane basis, why not have educational authorities send into the schools qualified persons to talk to the children about dogs; educate the children as to the nature of the animals and how they should be handled?

Many of the Kennel Clubs in America today are promoting educational work along these lines and this has been fostered to a great extent by the work being done by the Boy Scouts of America. The International Kennel Club of Chicago is also promoting this line of education.

There are authentic records of medical cases in which persons bitten by a dog were in such fear that they simulated the symptoms of rabies. Had they been told the commonest things about the animals, they would have been saved the horrors of such an experience. I never would think of letting a boy or a girl grow up without having a dog.

Companionship with a dog has a psychological effect on children and adults alike. Take, for instance, the boy who bully of the neighborhood try to bluff a neighbor's dog and then suddenly turns and thrashes the dog. Take, for instance, the boy who couldn't tell his pals with pride of how his dog wouldn't be bluffed. Perhaps 90 out of every 100 persons can tell the make of a car, yet has shown no interest in the dog and his qualities.

Harmless doesn't show—odorless to humans

Just sprinkle Chaperone lightly on whatever you want to protect. Harmless. You don't see it. You don't smell it. But your dog doesn't—and keeps away. No more shedding hairs on rugs and furniture. No chewed up shoes, rubbers, curtains, etc. A wonderful help in training your dog.

Chaperone $1.00 postpaid. Generous package. Several months' supply. SEND NO MONEY. Order Chaperone, C.O.D., $1 plus postage. (Or send $1 and we pay postage.) Sudbury Laboratory, P. O. Box 86, So. Sudbury, Mass.

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BIARRITZ comes in a choice of six smart predominating shades—wine, gold, rust, turquoise green, rose dust and shadow blue.

BIARRITZ
ONE OF MANY new MORGAN-LOOM

**Spring Fabrics**

DRAPEs AND BEDSPREADS BY
PAROMA Draperies, Inc.

YARDAGE GOODS BY
S. M. SCHWAB, JR. & CO.

The stripe’s the thing! Here it is in an original and exciting new decorator design that will harmonize with any room scheme. The dominating tone is carried out by an intriguing stripe, mellowed by piquant color contrasts. A soft, supple spun-rayon and cotton texture that drapes beautifully, will give you splendid service, and is not expensive.

Ask to see all the MORGAN-LOOM fabrics in drapes, spreads and by the yard at your favorite department store.

Yardage Goods, S. M. SCHWAB, JR. & CO.,
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Agents for MORGAN COTTON MILLS, Laurel Hill, N.C.
IN THE NEXT ISSUE

New Color Schemes

The Second Section of the April issue is our Decorating Guide for Spring and Summer. The biggest feature in this Guide will be our presentation of this year’s fashionable colors. This feature will include a resume of the two color trends, “Paintbox Colors” and “Pastels” as well as carefully selected fabrics, wallpapers, floor coverings, and accessories photographed in full color, illustrating these two important color trends. Following this unusual showing of new merchandise, we shall present complete room schemes showing how the new colors may be used.

Spring in the Garden

At this time of year most of us, particularly those who live outside of California and Florida, are impatiently awaiting the appearance of Spring. In some ways we magazine editors are a favored lot in that we can anticipate the seasons. It has been great fun preparing the April issue which is now on the press. A large part of the First Section is devoted to gardening for Spring and Summer, and it is profitably illustrated with lovely gardening pictures. The main feature in this section is the collection of photographs, in their natural colors, of one of the most famous gardens in the Pacific Northwest.

American Architecture

In the First Section of our April issue, we present a symposium of modern American architects. They will tell you what modernism means to them and why they think it should be of interest to you. In the Second Section of this issue, House & Garden presents its annual “Ideal House.” This building, in the popular Regency style, has been completely decorated by our editors.

This Month’s Cover

Between flying photographic raids on Georgia moonshiners (reported in LIFE, January 1, 1940), Walt Sanders took our excellent cover photograph, of Miss Helen Fuller and Miss Kathryn Walsh, Savannah socialites, as well as the pictures on pages 21 and 26.
Beautify Your Living Room Inexpensively With

**DUNBAR**

**MIDDLETON**

UPHOLSTERED FURNITURE

Covered with Decorator-Styled

**COLORTHEME FABRICS**

Your living room can now be smart, correct! Available at prices you can easily afford, Middleton upholstered furniture has all the style and quality for which Dunbar is nationally famous. In Middleton you will surely find the living room furniture you are seeking for the six groups range in style from 18th Century English to today's Modern. MIDDLETON UNIT GROUPS of one sofa and two chairs are individually styled and carefully selected for their appropriate use together. In this way the ugliness of the "2 or 3 piece suite" is entirely avoided.

**COLORTHEME FABRICS** are a far cry from the old monotonous taupe mohair days. Based on a cleverly applied principle of decoration, Colortheme fabrics enable you to vary textures, patterns and color arrangements at will but the result will be charming and decoratively correct because your fabrics are related to the basic color theme.

Redecorate your living room with inexpensive Middleton upholstered furniture, covered with Colortheme fabrics. Only then will you realize what a difference smart styling can make in personal satisfaction in your home.

**COLORTHEME FABRICS**

The Key to Decorator-Styled Fabric Ensembles

When an interior decorator chooses fabrics for a living room, she first decides on a color theme. Around this color she selects fabrics, varying textures, patterns and color mixtures but always around the central color theme.

Colortheme fabrics have been selected in just this way by one of America's leading decorators. From a collection of fabrics in 7 textures, 7 colors and 40 patterns, you have a choice of innumerable fabric ensembles, each one based on your chosen color theme.

Colortheme fabrics will work wonders with your living room! Instead of sofa and chairs in one drab color or in a jarring combination, Colortheme fabrics blend and contrast as if chosen specifically for YOUR home.

"Know What You're Buying!"

To every Dunbar Middleton Colortheme upholstered piece is attached a hanging tag with the title, "Know What You're Buying!" It tells in detail and with pictures the "inside story" of Middleton's 7-Point Quality Construction.

DUNBAR FURNITURE MANUFACTURING CO. • BERNE, INDIANA • 385 MADISON AVE., NEW YORK • 1638 MERCHANDISE MART, CHICAGO
Children's Gardens. Our wreath this month goes to the National Recreation Association which has recently set up a Garden Service to provide material and technical help in the organizing and development of children's garden programs. Once a child catches on to the fun of gardening, the habit is apt to stick with him throughout life. Especially is this work being carried on in neighborhoods that apparently lacked space for gardens and among people who have never been introduced to the recreation possibilities of gardening. More power to any movement that will make our wilderness slum lots and our waste places blossom with the rose and cabbage!

Roses on the Maginot Line. It seems pretty grim to write about it now, but the rosarians of France have carried on a campaign to plant the Maginot Line with roses. Polyanthas, hardier varieties of H. T.'s, wichuraianas and other climbing kinds were used. Even bud wood was to be sent to the front so that soldiers might graft it on roses they found. "All Quiet on the Western Front" was to mean a little pruning, a little grafting, a little care of precious blooms between pot-shots at enemy patrols. The ardent rosarians who undertook this floral crusade believed that it would mean more attractive homes, more flowering gardens in France. Who knows but that they're right?

To John Howard. Perhaps one of these days the Housing Commission, in a burst of gratitude, will erect a monument to John Howard. Born to riches on a fine estate beautifully cultivated, he realized that the tenants of his own countryside were living in squalid, dirty and mean hovels, ill-built, ill-drained and imperfectly lighted. Using his own funds, Howard set out to rectify the situation on his own estate. He tore down the hovels and in their place built sturdy little cottages, well-airy, lighted and drained. Within a few years this district, which had been one of the worst, became one of the most orderly and prosperous in the British kingdom.

John Howard died in 1790, but the heritage of his labors is the inspiration for every better housing movement in the world today.

Philip
I used to know a man who loved the stars.
Their paths were intimate and known to him
As some loved book. He always walked head
up,
A little lost, on streets where lights were dim.
He sought the shadows, where, with hat in hand
He'd trace their orbits with his fingertip;
And with the Dipper and the Pleiades
He shared a kind of quiet fellowship.
A man not with us, one who loved the night,
Familiar with Orion, and he went
A little stumbling from his upward gaze
And his communion with the firmament.

He knew as friends the Polestar and the Plough.
But that was long ago. He's with them now.

Barbara A. Jones

Insulation. Ever since we have enjoyed the comforts and economies of insulation, we go around the countryside with a measuring eye. When we see a roof on which the snow still lies heavily, we know a wise man lives in that house. Where the snow disappears, we are aware that there dwells a household who has still much to learn. This little game we've played all Winter. Then we came a cropper. Noticing a neighbor's house whose roof was bare of snow when ours was well coated, we remarked on his ignorance of insulation. He turned a glassy eye on us.

"Certainly I'm insulated, only the heavy wind last night blew all the snow off."

Goddess of Weeding. It was customary in the early 18th Century to populate English gardens with statues of gods and goddesses, after the best acceptable Roman manner. Not the least of these ladies was Rucina, Goddess of Weeding. Who, we wonder, was the God of Spraying, of Picking Off Rose Bugs, of Being Kind to Casual Visitors Who Interrupt Gardening?

Money for Gardens. The Government, too, realizes that a house isn't a home until it has a garden. Under the F. H. A. Title I Plan, it is possible to borrow money for trees, shrubs, grading, planting and tree surgery on a small property. This landscaping feature has not been sufficiently pronounced or given the publicity due it. Grounds tastefully planted add both to the attractiveness of a home and to its real estate value. They also are an indication of a contented family.

They Hated the Country. If ever we have time to get around to it, we want to collect all the sour and disillusioned statements made by those who, having gone to live in the country, were bitterly disappointed and thereafter extolled the virtues of city life in high-flung prose and verse. Charles Morris was one of them. An Englishman, immersed amid rutted rural roads and rustic scenery, he set down his metropolitan longings in 1795 as follows:

Your magpies and stock-doves may flirt among trees,
And chatter their transports in groves if they please;
But a house is much more to my taste than a tree,
And for groves, ah! a good grove of chimney's for me.

"Florist's Guide." The other day, thanks to the generosity of a Loving Reader from Nashville, we were able to study a copy of Thomas Bridgeman's "Florist's Guide," first published in 1829. Mr. Bridgeman was a gardener, florist and seedsmen and added further to his reputation by writing four gardening books. His "Florist's Guide" was still being reprinted and used as late as 1866, sixteen years after its author's death. In his book he lists 120 different annuals, including such curiosities as calan- drinia, commelina, crotalaria, garidella, nolana, pentapes, a strawberry spinach, Blitum capitatum, and a plant, Medicago cincinnata, which went under the common name of Caterpillars, Hedge-Hogs and Snails! It also appeared that eggplants, including such curiosities as calandrinia, commelina, crotalaria, garidella, nolana, pentapes, a strawberry spinach, Blitum capitatum, and a plant, Medicago cincinnata, which went under the common name of Caterpillars, Hedge-Hogs and Snails! It also appeared that eggplants were grown as ornaments. His perennial list totalled 99 kinds.

But the crowning achievement of this century-old guide was his final chapter called The Matrimonial Garden. It should have a walk, the Honeymoon Path, of 30 steps long, its shrubs would include Compliance, Industry and Frugality, its weeds Jealousy and Indifference and its twisted paths Perverseness and Obstinance. Altogether Mr. Bridgeman makes a thoroughly symbolic garden of the ups and downs and pitfalls of the marital estate. We wonder how well he did himself.
The Winter home of Mr. and Mrs. Henry Ford near Savannah, Georgia
SOUTHERN ROMANTICISM

At this moment in the growing romantic movement in decoration, there is no city and no region of greater interest and significance than Savannah and North Georgia. For this is the background for the action of the screen version of "Gone With the Wind".

And nothing has focused all eyes on the romantic styles of the early 19th Century so dramatically and universally as this moving picture.

In previous issues HOUSE & GARDEN, fore-shadowing this trend, has shown the rich heritage of Natchez, whose spacious way of life has come to typify the Deep South pattern in modern minds; we have also shown the more mellow beauties of Charleston, which was the center of culture in America for two centuries.

These cities of the past have contributed to our romantic movement, which finds charm and inspiration in our own America. But the setting against which the panorama of "Gone With the Wind" unfolded was not the aristocratic and already leisurely Charleston, nor the fabulously rich Mississippi delta regions. It was the new and hilly "up-country", but recently made important and profitable by the cotton gin's invention.

The backdrop also includes Savannah, although it does not appear in the picture. For it was from Savannah that Scarlett O'Hara's mother came, bringing her distinction, culture and taste into the newer and rawer land. And then, Savannah, at the mouth of the Savannah river, owed its wealth to its strategic position as port of entry for all the inland regions. And it was at Savannah also that Sherman's March to the Sea, which began in Atlanta, ended.

This then is the real background to the picture which has so stirred and stimulated our romantic imaginations. And although the urge towards the romantic is wider and broader than one film (and would have come had there been no "Gone With the Wind") HOUSE & GARDEN believes that its study of the 19th Century romantic eras would not be complete without this survey of Savannah.

For Savannah has peculiar gifts of her own to offer. Nowhere in America did the English Regency style have so much influence. Perhaps it was because the city began to come into its own only after the dawn of the 19th Century and because during that era its great town houses were built. Or perhaps because as a busy port it responded quickly to developments of style in England. Perhaps again it was because a young architect versed in the Regency style came to Savannah from Bath, England, and lived there a few years, during which time he designed some of the town's most beautiful and impressive houses.

Savannah boasts few of the great plantation houses which characterize the territory around Charleston. Most of those it once had have vanished, either at the hands of Sherman's soldiers or as a result of the decay of the plantation system which followed close upon the War Between the States.

The spots still bear the old names, great avenues of live oaks mark where the old houses stood, Henry Ford, whose interest in Americana is well known, has chosen one of the most beautiful of these sites for a Winter home, and built a house from old brick whose general outline and style was inspired by one of the famous old plantation houses.

Yet it was from these vanished plantations of the Low Country that culture spread northward and westward into the "Gone With the Wind" Country. There in the wilderness, only a generation before won from the Cherokee Nation, towns sprang up, with classic names like Athens, or Rome, and classic colonnades overlooked red clay hills.

On the pages that follow, we have shown a few of those houses in the northern counties, which, because they lay to north or to south of Sherman's march, escaped the ravages of the War. But they were near enough to show what the houses of the romantic age were like in the "Gone With the Wind" Country. Afterwards we take you to the sea, to Savannah, exploring the contributions it has made to our conception of the romantic styles in this country. And beyond that we have endeavored to appraise the romantic movement in terms of our homes today.

For each period of revival interprets the past in terms of its own times. If we romanticize the early days of the republic, we romanticize them in Twentieth Century fashion. And in the same manner our forefathers translated the beauties of Republican Rome and Greece to fit the culture of a new land. Their interpretation may not fit our times, but we have our own, and the romantic spirit continues, shaping the old classicism to the modern idiom.
Pillared elegance in North Georgia

NORTHWARD and westward from Savannah, wherever men went into the new lands, white-pillared houses—such as the ones shown on these two pages—were built. They lack the imposing size and florid ornamentation of the mansions of Natchez and the Gulf regions, but they have a classic simplicity which fits into the more austere background of the hill country. This, rather than the sweeping acres of the Deep South, was the setting for "Gone With the Wind." Flanking the line of Sherman's march, these houses escaped the destruction of the war and thus today they stand, surrounded with tradition and nostalgic beauty, characteristic and lovely examples of the architecture of this entire section.

RIGHT: Bulloch Hall, 20 miles from Atlanta, was built by the Bulloch family as a Summer retreat from the malaria of the sea coast. In this house the mother of President Theodore Roosevelt was married before the Civil War.

BELOW: This house with its splendid Doric portico was built in Athens, Georgia, in 1841 by Judge Joseph Henry Lumpkin. It has the solid and imposingly simple features which characterize the Classic style in this section.

ABOVE: Mimosa Hall in Roswell, Georgia, bears a close resemblance to Bulloch Hall (above) just across the road. It was built as a Summer home by the Dunwody family in the standard pattern of the up-country mansion.

LEFT: The Stephen Upson house in Athens, Georgia, dates from 1840, a year before the Lumpkin house (above). It is notable for its rigid adherence to the Classic tradition in the purity of its line and fine proportion.
One of the finest examples of the Greek Revival style in America is the home of Mrs. W. F. Bradshaw which was built in Athens, Georgia, in 1855. In front of the stately Corinthian portico is an unusual boxwood garden, designed by an Italian landscape artist who was traveling through the South at the time the house was under construction. The trim green lines of clipped boxwood, in brilliant contrast to the clear white of the lofty portico, have been planted in the shape of a sentimental bowknot.

Boxwood and magnolia form a setting for white columns.
A sketch of the 207-year-old city of Savannah, made in March 1734, shows the town laid out in its present form, with open squares, on the high bluff overlooking the Savannah River. General Oglethorpe's tent stands under the four trees on the bluff's edge. Log palisade is under construction at the left.
Savannah is one of the very few Colonial cities in America whose “downtown” section is not a tangle of former lanes and cowpaths. The beautiful squares set between broad avenues, which are the first feature of Savannah to strike the visitor, are the direct result of the fact that the city was laid out by a military man, that same General James Edward Oglethorpe whose statue adorns one of them.

The open squares, now shady parks, were first marked off, and surrounded by building and garden lots, to serve as havens for outlying settlers, who in times of Indian trouble or Spanish attack might camp out there behind the city barricades. These squares also served as a grazing ground for the cows of the early “first families”.

For even in earliest times the “first families” lived around the squares. Later the fine old houses of the pre-Civil War era were built there, and the live oaks planted which give them their sense of quiet repose today. And although these squares are perhaps not entirely adapted for motor traffic, no one seems to mind the constant turning and turning to drive around them, when a straight line is obviously the shortest path from one side to the other.

Although Savannah doubled her population between the Civil and the World Wars, there has been surprisingly little of the defacing “progress” of which the late 19th and early 20th Centuries were so fond. “Modern” buildings have appeared in the business section, of course, but factories and industrial plants have spread up the river. The old squares and many of the old houses have been allowed to remain, and new avenues and streets inspired by the beauty of the old have been laid out and lined with palmetto trees and azaleas.

There is a flavor about both the old city and the new that is peculiarly Savannah’s. It differs (Continued on page 54)
One of the most beautiful Regency houses in Savannah, and one of the purest of this style in America, is the Owens house, overlooking Oglethorpe Square. It was built about 1818 and its designer, William Jay, was a young man of 23, from Bath, England, who during the few years he lived in Savannah appears to have influenced architectural fashion. He designed a number of other Regency houses, most of which have unfortunately been torn down or destroyed by fire.

This house was purchased in 1830, with most of the original furniture and fixtures, by George W. Owens, grandfather of its present owner, Miss Margaret Thomas. It has been preserved with remarkable fidelity. The side balcony (shown below) is made completely of cast-iron
The parlor in the Owens house is a beautifully proportioned room with oval niches, in which bookcases stand, on either side of a classic white marble mantel. The ceiling has a Greek-key relief border rounded at the corners.

**Of purest Regency design is the Owens house, planned in 1818 by William Jay, architect from Bath, England.**
Wormsloe, set in famous live-oak and camellia gardens, gets its name from the fact that the plantation was first granted to Noble Jones, one of Oglethorpe's lieutenants, for the cultivation of silkworms. His descendants still occupy it. Added to by successive generations, it is now the home of Dr. and Mrs. Craig Barrow.

Opposite: Four interiors recall the romance of old Savannah

1. The Regency dining room in the Owens' town house (see also page 22) is dominated by this unusual niche on one side. Light from a window strains through amber glass lining a Greek fret, and also casts its glow downward on a spectacular marble-topped buffet supported by a single ornate pedestal, part of the original furnishings of the house.

2. By an adroit use of strong color, Mrs. H. Snowden Marshall has brought a touch of drama to this hundred-year-old room with its black marble mantel typical of the period. Empire green satin gleams at the windows and the Empire loveseat bespeaks the ante-bellum French influence in Savannah. The camellias under low glass bells are from Mrs. Marshall's garden.

3. Armless statues on the fireplace in the front parlor at Wormsloe bear mute testimony that Sherman's men passed this way. The charming parlor chairs which belonged to Mrs. Barrow's grandfather were discarded as unfashionable in late Victorian times. They were recently discovered by Mrs. Barrow in a local auction. The portrait is by Charles Willson Peale.

4. Mrs. Marshall's library shows with what charm the various periods of the Romantic era may be combined in a room today. Authentic 18th Century antiques, Victorian and Federal accents blend with fine reproductions and century-old brocaded draperies. The wax silhouette over the secretary is of Chief Justice Marshall, the great-uncle of the late Mr. Snowden Marshall.
The parlor of the Meldrim House in Savannah retains much of the splendor of its ante-bellum days.
BASICALLY, of course, our decoration rests as practically as ever on the firm and broad base of American Colonial and 18th Century styles. These, which embrace an earlier romantic era in our past, are strong in our affections. But newer and more recently discovered is the romance of the Regency style and the charming absurdities of the early Victorian period.

In making this study of Savannah, HOUSE & GARDEN has sought out furniture and motifs which are not only beautiful in themselves but which might apply to our homes today. We have tried to be not merely antiquarians; we have endeavored to bring to life the past, and reinterpret it in terms of the present.

We show on the two pages which follow a typical group of old furniture found in Savannah homes. The purity of line and excellence of workmanship compare favorably with the finest of the period. Many of the pieces have been in constant use in the families of the original owners for over a hundred years.

If you compare this furniture with the groups shown on page 31, you will see that the latter, modern reproductions of fine pieces typical of the Regency and early Victorian periods, are remarkably similar in line and style. Details differ, ornamentation may vary, but they are blood brothers, as any one can see.

On the preceding pages we have pictured the city of Savannah and houses from North Georgia, from which spring many of the impulses of the romantic movement in decoration.

On the pages which follow, we have attempted to show by what alchemy these documents and patterns are transmuted into materials from which we construct rooms of today.

This romantic nostalgia for the early 19th Century, which has been growing over the past year and which has been given an added impetus by the appearance of "Gone With the Wind", is a movement rather than a revival.

We look back and discover in an age which in its turn was rediscovering Greece and Rome grace and charm and repose. We discover ruggedness, too, and a touch of the pioneer spirit. It appeals to us forcibly, as all that touches the youth of our country has begun to do.

These things we seek to express in our homes. We have no desire for the great ante-bellum halls, the high ceilings, the multiple parlors, the massive cupboards and somber pictures. But in a too-mechanized and an uncertain world, we reach out towards a classic beauty and simplicity which have acquired the romance of distance.

If we are not fortunate enough to own a house full of antiques, modern reproductions in this spirit and style are available to us today, and even if we do own a few old pieces, they are useful in completing the scheme.

One of the best examples of how various periods may be combined is the home of Mrs. Snowden Marshall, shown in color on page 25. She has combined 18th Century heirlooms from her husband's family home in Virginia with Empire pieces from Savannah, finished off with Victorian ornaments and Audubon prints.

Next to architecture itself, furniture is the most durable of the evidences of a style. Draperies fade and wear out; upholstery becomes threadbare; ornaments get broken or go out of style and are discarded; wallpapers become discolored and are replaced. In many of the old Savannah houses this is the case. But often tradition has been followed and replacements have been made to approximate their originals.

Many things remain to suggest the way the early room might have looked. The great gilt mirrors over mantels, the marble mantels themselves, iron grates, crystal chandeliers, and chandeliers of cast bronze; drapery rods with gilded spearheads, vases, candelabra, urns.

Today it is these smaller things which possibly have the strongest romantic appeal to us in furnishing our own homes. It is with our fabrics, wallpapers, lamps and accessories that we set the pace. And recently more and more of these have been making their appearance. Not only have the furniture manufacturers produced furniture inspired by the Regency and early Victorian styles, but designers have reproduced other accessories typical of these periods.

These with the wallpapers and other background materials fall into two classifications—the faithful reproductions and the free adaptations. In homes today the free adaptations often make a more livable interior than the reproductions. A sense of style is necessary in combining and blending the two. On pages 32-33 we have gathered together a number of groups of materials and accessories for various rooms, each of which, though reminiscent of the romantic past, is suitable to be used in homes of today.

OPPOSITE: The front parlor of the home of Mrs. Peter W. Meldrim, with its high gilt mirrors, crystal chandeliers, and plaster frescoes, is virtually the same as it was when General Sherman made his headquarters in 1864 and gave a New Year's reception there. One of the outstanding examples of the 19th Century Gothic revival in America, the house required 10 years to build and was completed in 1861 by Charles Green, grandfather of Julian Green, the author. The furnishings are old Meldrim family pieces...
The romantic furniture of yesterday

At Wormsloe, a pair of 18th Century Hepplewhite chairs beside the parlor mantel. Portrait by Rembrandt Peale

This fine Sheraton sideboard is in the dining room of Telfair Academy. Note original spearhead curtain rods

Fruitwood Empire side chairs, mahogany lyre tables are in the reception room of Telfair Academy

Chippendale chairs and an early 19th Century sideboard at Wormsloe are typically American in solid style and sturdy construction. See pages 24 and 25 for other interior views

Small round breakfast table with Regency base in one end of Telfair Academy dining room. Regency cane-seated chairs, in burled walnut, made to order

Quarter-circular "leaves", locked to the periphery of this remarkable mahogany table, expand it to seat thirty people. It is at the other end of the long Telfair dining room, opposite the breakfast table which is shown above right

In the high Gothic hall of the Meldrim home, we found this pair of carved early Victorian rosewood chairs flanking a built-in wrought iron console
Tall, beautifully-scaled mahogany china cabinet in the Regency dining room at the Owens house.

Looking from the front parlor to the back parlor of the American Gothic Meldrim house (see also pages 20 and 26). A graceful Empire sofa stands in the foreground. To the left of the door is a fine American Gothic chair. Beyond, in the other room, is a graceful Victorian sofa.

These simple American mahogany consoles and serving tables are in the dining room at Wormsloe. The Empire sofa (through doorway) was found in a sand-dune.

This small square piano which dates from 1800 is in the Meldrim parlor. It is mahogany inlaid with brass. The Victorian chairs are of rosewood and about one hundred years old.

There are a pair of these superb Empire sofas in the dining room of Telfair Academy. The caned backs and seats and burled wood match the other furniture (opposite page).

Blue-brocaded Empire sofa and matching chairs comprise part of the original furnishings of the sixty-foot Regency drawing room in the Telfair mansion, now preserved as a museum.

*Heirlooms from historic generations furnish the old homes of Savannah.*
Regency revels in color and mellow texture

How an essentially formal and dignified Regency scheme may be softened and made livable by modern touches is illustrated in this living room at Lord & Taylor in New York, decorated by William Pahlmann. The delicate marble mantel, from a famous English house, the candelabra, the draped plaster lamps and the Aubusson carpet are formal in feeling. Comfort lies in the fat tufted and skirted chairs. Brilliant novelties are the marbleized taffeta curtains, swept across in great folds and anchored by gold medallions.
Echoes of 19th Century decoration

Modern furniture recaptures the romantic spirit of Southern antiques

Above: Ponderously Victorian is the “Houston” sofa, with heavy leaf scroll carving; Pullman Couch. Slightly smaller in scale are the “Yorktown” and “Betty Lewis” chairs, with tufted backs. This group is from Vander Ley.

Right: The chaise longue was a favorite Regency piece; this modern reproduction has a mahogany frame. Chairs are also mahogany. All Tapp. The rosewood table is banded and inlaid with satinwood. Found at Baker.

Above: Vander Ley’s “Yorktown” sofa is mahogany with small carved flower decoration. From Tomlinson’s Victoria Group is the side chair. The late Victorian serving table, Tomlinson.

Below: Kittinger’s Regency bedroom group includes this beautiful bed with upholstered headboard. The Baker secretary is after one in the Hampton collection. Regency bench, Loeblein.

1. **For a Regency drawing room:** Background, classic swag wallpaper and border in pink and white; Hobe Erwin. Fabrics, broad crimson and ivory satin stripe; crimson satin with gold medallion and Napoleonic bee motif; both, Cheney. Alabaster lamp, Lord & Taylor. Black and gold tole cachepot and temple box, Berlin-Adams. Miniature, Ovington; terra cotta bust, B. Altman; ormolu tiebacks, Décor.


3. **For a Victorian bedroom:** Wallpaper in a dull-finish, deep pink and white stripe; Imperial. For draperies, Everglaze chintz—a rose design in pink and green on white, and a sheer voile in the same pattern; both, Cyrus Clark. Crystal flower holder, Ovington. White tea warmer and pot with pink floral, M. A. Buchwalter. Alabaster lamp, shade, Olivette Falls. French porcelain desk set from Alfred Orlik.
recreate the romantic mood

Modern fabrics and wallpapers set off the outlines of Regency and Victorian accessories


6. For a Victorian powder room: Strahan's scenic paper—a grape arbor framing a gypsy scene—in gray-beige and deep brown. Mercerized cotton stripe in gray-beige, taupe and gray-brown; Carrillo Fabrics. White wire hanging shelf with tassel trimming and swag, and white glass dressing table bottles, Lord & Taylor. Pair of sentimental white figurine vases are from Altman


7. For pure amusement, Victorian in the modern manner: A bright plaid, "Balmoral", natural cotton with design in deep green and red; Cyrus Clark. The dressing table mirror has a white plaster frame threaded with a painted magenta ribbon; matching lamp has a white cotton pleated shade with petticoat lace edging; Lord & Taylor. The pale ruby glass épergne with ruffled edges, from Ovington
The mellow antiques which graced Savannah’s century-old houses may be out of our reach but fine reproductions of furniture and fabrics will instil in rooms such as these the leisurely charm of yesterday. In the hall at left, the wallpaper is a serpentine floral stripe in cream, deep rose-reds and gray-blue. The floor is black linoleum with gray inlay. Accurate replicas of old pieces are the mahogany Chippendale side chairs and Hepplewhite console. Furniture, Kittinger; floor, Congoleum-Nairn Sealex; wallpaper, A. L. Diament

The living room furniture (right) is imbued with the spirit of the beautiful mahogany pieces made by the first American cabinetmakers. The sofa is copied from one in the “Middle Room” in the Governor’s Palace at Williamsburg. In the same mood are the Belvoir mirror and gentleman’s chest. Draperies are a chintz by Peter Schneider in rose, pale yellow and gray-green. The sofa wears Howard & Schaffer’s gray and yellow striped cotton satin. All the furniture is by Tomlinson

Though keeping the gracious air of original antiques, the dining room pieces (left) are small in scale. An unusual one is the little three-legged buffet, fitting snugly into the corner. The oval table extends for larger parties. The Thibaut wallpaper is gray, white, dusty pink and deep blue; and the figured organdy draperies, from Johnson & Faulkner, are pale blue, printed with a flower and leaf design in white. All furniture in this dining room is from Morganton
In this bedroom we have recreated—in terms of contemporary decoration—the placid dignity that belonged to the stately white mansions of Savannah a century ago. The room with its soft color harmonies is intentionally underfurnished. The 19th Century swag in the valance, bedspread and canopy and the colorful rose motif provide a decorative continuity throughout.

Furniture (canopy bed, night stand, chest, chair and mirror) all from Drexel; carpet, Alexander Smith & Sons; striped moire wallpaper, Imperial; sunfast, washable chintz draperies and bed tester, Desley Fabrics; bedspread, Cabin Crafts. The small occasional tables are antiques.
In the romantic spirit, which revels in the clarity of jewel tones against off-white, we set a table in glowing reds. Reds brilliant as the cassocks of seven cardinals, and warming as a glass of ruby port. We strike the first red note with service plates scarlet-bordered, intricate with gold scrolls and leaves. Echo them with carnations and with ruby glass candlesticks. We temper these flaming accents with a cool spread of platinum gray and creamy white. And brighten it again with silver and crystal—stemware in a leaf pattern, silver rich with sculptured scrolls.

"Listen, my children, and you shall hear" all about mushrooms—those glamorous little white diamonds of the gourmet world. Some people have referred to them as being the "pearl of the kitchen"—but, personally, I think they more than live up to the former title. They can't perhaps quite understudy for their starred first cousins, the black truffles, but they are capable of being very snobbish in their way and have the added advantage of being able to play far more varied roles in the alimentation of mankind.

Now, I'm not a mycologist nor a fungologist nor even a mycologist, in other words, I'm not versed in the science of fungi, their structure, affinities, classification, etc. I'm not at all interested in the fact that mushrooms may be divided into four classes, edible, poisonous, suspicious, and indifferent and that the ones that are poisonous belong to the Amanita volvaria or Eutoloma family, whereas the edible fungus is known botanically as Agaricus campestris or Paullinia campestris, and that they contain some nitrogenous food and about 90% water.

I am, however, a mycophagist, that is, I eat mushrooms. I like mushrooms extravagantly, and I'm quite contented with the white-kid-like variety—neatly packed by the mushroom-growers in little white baskets, so tempting and lovingly displayed to me by the corner grocer with all the artistry employed by a jeweler presenting his jewels to a prospective buyer. I am grateful to the mushrooms for their flavoring properties rather than as a source of nourishment. They may be comparatively costly in relation to the nourishment they supply, but I know they can be counted on every time to lend a party atmosphere to the simplest of dishes.

Think what can be done with them. Add them to a plain omelet and it becomes a dream. Serve a soup of them and the meal invariably is a success. Eat them raw and they are a sensation. Dry them and they still retain their fragrance and will impart it lavishly to whatever dish they find themselves part of—canned, they are conveniently available in emergencies, ever-ready for a gala occasion.

There are many delectable mushroom recipes and they may be a part of almost any course throughout the meal, except, of course, dessert.

For instance, have you ever served them with cocktails, puréed and creamed, flavored with Parmesan cheese, in tiny little pastry cups, or did you know that they are delicious chopped raw, very fine, mixed with a little mayonnaise, salt and pepper, used as a sandwich spread? They are a natural for soup, of course, especially cream of mushroom soup. Sautéed or broiled or stewed or baked they make a fine entée; they dress up a simple sauce and enhance a chicken stuffing every time. They make a heavenly hors d'oeuvre, marinated or sliced raw in cream with lemon juice, salt and pepper and a touch of grated lemon rind.

Before I go on to give you a collection of specific recipes it may help you to know a few of the fundamentals concerning their preparation.

In the first place, look at them carefully when you buy them. Choose firm white ones whose membranes are still intact if possible. They should be free from spots and be white under the skin. The next question is should they be washed and should they be peeled or not. Personally, I wash mine very quickly and dry them gently on a soft towel. Sometimes I peel them and sometimes I don't. Generally speaking, if I am going to serve them whole I peel them, and if they are to be chopped, I don't. The tough discolored part of the stems should be cut off entirely. The skins and stems boiled in a little water make a good stock for flavoring. If the mushrooms are to be stewed, it is all right to prepare them a little ahead of time and let them stand in cold water containing either a little lemon juice or vinegar to keep them from turning black, but for sautéed or broiled mushrooms it is best to prepare and slice them just before cooking. Too much cooking has a tendency to toughen mushrooms, three or four minutes will heat canned mushrooms, eight or ten minutes will cook fresh ones. I genuinely recommend that you try the following recipes.

**Mushroom Milk Toast.** Cut eight slices of bread, three-quarters of an inch thick, trim off the crusts, then make cross-like incisions about one inch apart on one side, being careful not to cut too deep, for the slices must remain intact. Place them on a flat cookie sheet ready to be toasted both sides quickly under a hot grill. Now open a can of condensed cream of mushroom soup, add to it gradually three cups of cold rich milk. Have ready eight squares of butter or, if you must be fancy, eight butter balls. Heat the soup to the boiling point, stirring frequently. Make the toast and put it on a hot plate. Put the soup into a hot soup tureen.

**Send soup plates, tureen, toast and butter to the table.** Serve immediately, placing two slices of toast in each plate. Dot with two butter balls and ladle the soup over the toast. Coarsely ground black pepper and salt may be added to taste. This is the perfect solution for a quick but hearty bite, being especially recommended to those of you who trek back and forth from town to country house, weekends, arriving cold and tired and hungry as bears. For four.

**Chicken Mushroom Soup.** This easy-to-prepare soup is quite worthy of being served with pride and confidence. Open two cans of condensed cream of mushroom soup and place the contents in a large saucepan. Add slowly stirring constantly two cans of condensed chicken soup. Also stir in about three cups of rich milk. Heat gradually to boiling point, stirring constantly, then add freshly ground black pepper, salt to taste and two or three tablespoons of good sherry. Serve it at table from a hot soup tureen, adding a tablespoon of whipped cream to each bowl. (Continued on page 59)
Richardson Wright, Chairman of the International Flower Show, previews this year’s six great American exhibitions

During the week of March 11th, gardeners from Delaware Bay north will be going around in a dither of horticultural excitement due to three synchronized flower shows. Easter comes early this year—the earliest it ever comes—and nurserymen, florists, gardeners and all others concerned with filling shops and homes with flowers must have their shows behind them before the Easter rush begins. Consequently, Monday, March 11th, will see the great exhibits of Philadelphia, New York and Boston opening their doors.

These barren halls aren’t changed to flowery fairylands by any mere waving of a magic wand. Behind any successful flower show stretches a full year of preparation. Scarcely has one year’s show closed than the committee begins planning the next. Various groups must be coordinated, floor plans drawn, space for gardens and displays allotted, the scheme visualized in the mass and in detail. By November the bulbs that will be shown in March are in their pots by the thousands—to catch the date you plant 4000 bulbs if you plan to exhibit 1000! Trees to be forced are chosen, and their roots cropped. Rocks pried loose from their native beds. Perennials brought indoors. Trays ready to seed yards and yards of grass. Those who are to make flower arrangements keep vigilance for new styles, new tendencies, new plant material. By the turn of the year the tempo quickens. In February the pace speeds up to a hectic and anxious grind that only ends when, on opening day, the manager blows his whistle, the exhibitors discreetly disappear and the judges solemnly march on the floor to decide who gets First, Second, Third, Commendation—or nothing.

What are some of these shows going to be like? Let’s take a preview.

Philadelphia. Unlike New York, Philadelphia is fortunate in having a hall that allows for a flower show on one floor—a vast area of high ceilings into which large scale gardens and exhibits can be placed with ease.

The schedule for the 1940 Philadelphia show includes extensive formal gardens for flowering trees and shrubs, for bulbs and for informal woodland planting. The last are always well done in the City of Brotherly Love. There will also be June gardens, rose gardens, rock gardens,

At New York’s International Flower Show the focal garden at the end of the main aisle will be the spillway of an old dam with a road above it. Hemlocks, laurels and many varieties of small flowers of brookside and crevice grow in the spray

The Garden Club of America is staging a complete community planting exhibit at the New York Show, including pools, backyard gardens, terraces, and window-box gardens. Also there will be daily changes of various flower arrangements
wall gardens, gardens of perennials alone, backyard gardens, orchid displays and acacia groves for which Philadelphia is famous, due to the superb Widener collection.

The garden clubs will offer exciting competition in full scale treatments of steps in garden and woodland; in planting a full scale summerhouse and in porches featuring plant stands. Since plant stands on porches are becoming fashionable again, this should speed the style. As a relief from the usual luncheon or dinner table arrangement comes a class for dining tables between meals. Another class calls for flower arrangements in black and white and one in the classical manner of ancient Greece or Rome. But just how did the Romans arrange the flowers on their dining divans? Or did they just scatter them on the diners? This classical class has possibilities.

New York. The great International Flower Show in Grand Central Palace differs from the others because of the nature of the building. Whereas Philadelphia, Boston, Chicago and St. Louis and most other shows are spread out on one floor, New York's is vertical—four acres of gardens, one above the other.

At the entrance the visitor will first walk between two acacia gardens, their golden blossoms making masses of living sunlight. This is a new feature for New York. At the end of the main aisle the focal garden will be the spillway of a dam, making a high waterfall with a road above it. Weathered and mossy brown stones impound the water. Below it will be naturalistic groupings of hemlocks and laurels and the smaller Spring plants that inhabit brook sides and ledges. Between these two extremes of front and back will come new gardens in dazzling array. One is an informal azalea and tulip garden, viewable from two sides, with winding brick paths leading to an old oak summerhouse. On this first floor will also be two outstanding delphinium borders.

On the second floor the Garden Club of America devotes its space to an ambitious display of Spring community block planting suitable for the area from Virginia to Massachusetts. This will include five competitive pools together with terraces and backyard gardens. The plant material used is guaranteed to live in the air of New York and other dust-laden cities. Some of these city problems will be further demonstrated in miniature gardens. The flower arrangements, always popular, will be staged both in a gallery of their own—a community art gallery—and in open house windows. The problems call for bouquets suitable to modern, Colonial, Victorian and French rooms. Others will seek to interpret in flowers the themes of fantasy, rhythm, fiesta and tranquillity.

On the fourth floor the Garden Clubs of New York and New Jersey will put on brilliant educational displays. New York is staging a fascinating group of children's gardens—an enchanted flower garden, a garden for games, a bird garden where no cats are allowed and a circus play garden. We show a glimpse of what they will look like. New York will have its horticultural exhibits which are always outstanding. There will also be demonstrations of bird-bath and small-pool planting, seed germination, house plants and their care, mantel and table arrangements, planted garden details and four complete small gardens. The niche flower arrangements, which, as in other exhibits, are changed each day, will range through the gamut of line and color until the final burst of Buxom Bouquets.

Boston. The New England Spring Flower Show, like the other two, extends from Monday, March 11th, to Saturday, the 16th, inclusive. It will contain some different staging from previous years.

Grand Hall, where the garden clubs held forth superbly last year, has been turned over to the New England Nurserymen's Association. The layout includes a garden with a summerhouse, an outdoor living room, a perennial garden, a planting in front of a Tudor house, a bog and wild garden and a rock garden. The stage will be a cooperative effort done by the various members of the association depicting a typical New England village with a church and a schoolhouse in the background and a picturesque old mill with a water wheel.

In the other large hall the acacias in a naturalistic setting will cover about 2,500 sq. ft. The second largest exhibit in this hall will be a nature trail staged by the New England Wild Flower Preservation Society. People will be allowed to walk through this exhibit, which always seems to have quite an appeal. The garden clubs have had a competition for a plan of a 1,600 sq. ft. rose garden which was won by the North Shore Garden Club. In addition they are sponsoring classes for flower arrangements.

Among other new features, begonias will be shown growing in lath sheds as they do in California.
South of the border

Down Guaymas way—a lotus land on the Gulf of California

By William B. Powell

Several people who usually take their place in the Spring sun at some foreign spot have asked me if I knew of a resort which would fit in with the travel limitations Mars has imposed on those afflicted with wanderlust. And I think I have the answer. Having recently been down in Mexico, I feel like doing some shouting about a place in the province of Sonora. A few miles from Guaymas, which used to be one of Mexico’s most booming ports, is a charming new hotel, Playa de Cortes. When you see this perfectly planned, luxuriously equipped Spanish Colonial building on a remote desert shore on the Gulf of California you may wonder how it all came about.

Guaymas has long been known to anglers, attracting them from far and wide. Formerly they had no alternative but to rough it at a hotel or pretty poor pension. Then one day Mrs. Walter Douglas, wife of the president of the Southern Pacific Railroad of Mexico, had a brilliant idea. Having great vision and a real flair for decoration and gardening, Mrs. Douglas realized that the Bay of Bacochibampo near Guaymas was a perfect site for a resort hotel. For here was a most unusual combination—a great stretch of desert like the terrain around Arizona, a range of mountains—and the sea. Indeed, the rocky formation of Bacochibampo Bay, where the hotel stands, presents a scene that is quite remarkable—a mixture of Capri and Rio de Janeiro, if you can imagine such a combination. So now if you go down to Guaymas you may not even see the town itself except on your way to or from the train. Life at the new hotel is so self-sufficient you’re not there long before you’re loath to go far from it, although Mazatlan and a dozen interesting cities might tempt you.

One reason life moves so smoothly at the Playa is due to the attractive and tactful manageress, Mrs. Eldred Tanner. The first year the hotel opened, the Garden Clubs of America made their trek to Mexico City, stopping off at Guaymas on their way down. Before Mrs. Douglas left the capital for Guaymas, where she was to be hostess to the Garden Clubs, she asked Mrs. Tanner, a young American who had a (Continued on page 50)
GUAYMAS: A STORY-BOOK SPOT ON THE DESERT SHORES OF THE GULF OF CALIFORNIA

GUAYMAS IS A MECCA FOR FISHERMEN

A SETTING FOR RELAXATION

SALT-WATER SWIMMING POOL
I call her the Dean of Home Gardening in America. In support of which claim I submit:

She began, early this century, by herself making one of our most beautiful and famed home gardens.

She wrote one of our first books to inspire the making of a garden, and for twenty years has followed this by a series of books whose object has been to "make us gardeners think".

She was one of the creators of the garden club idea, one of the founders of the Garden Club of America, one of the founders of the Women's Farm and Garden Association.

She has traveled up and down the land visiting hundreds of garden clubs and thousands of gardeners, awakening, inspiring, restoring enthusiasm.

For a year she was garden consultant to an enormous mail order house, and reached with her lovely wisdom thousands outside the reach of even a garden club.

Here is her story.

She began as Louisa Yeomans, the daughter of a much loved clergyman in the little country town of Washington, New Jersey. She comes from what we like to think of as the best old American stock. Gentle is the word that fits her best, a gentlewoman sprung of gentle folk. Yet with that gentleness a peculiarly clear, direct look shows the strength of steady will that she gets from her ancestry. When she married a Chicago man and moved further west to live, she took with her the traditions to which she had been born.

"Every one," she says, "has his own most real thing. Mine is the garden." It was at Alma, Michigan, that she built her first garden, "that beloved place" now known to all lovers of gardening in America as the starting point of Mrs. King's life work; the starting point, too, for the many who were to follow her. You can read about it in her first book, *The Well-Considered Garden*. It was built on the edge of farm country. I say built, because with Mrs. King a garden...
is constructed as a home is. It's a place for living in. It often has separate rooms, always privacy, and its different parts belong together, leading to and from each other, like parts of a home. The garden at Alma was made up of such parts, with a relation to each other and to the house. It was there that she began to write her books.

The older generation will remember the immense success in 1903 of Mrs. Ely's book called *A Woman's Hardy Garden*. The first American book of its kind, it met such a crying need that it ran at once into best-sellerdom. Mrs. King's books were early enough to catch some of the same awaiting welcome. Her first, *The Well-Considered Garden*, is still perhaps her best known. After livable qualities in a garden, what she cares for most is careful and delicate use of color, and color combinations are here suggested that must have been copied all over the United States. Not for five or six years did she write another book; then they followed fast: nine in all, including two devoted to the little garden. Her latest book is *From a New Garden*, 1930.

This "printed side of gardening", as Mrs. King calls it, is, you see, no small part of her work. The books wear extremely well. Not one of them but still has value. True, many plants then recommended have, with the passing years, ceased to be novelties. But there's far more here than recommendations. There's a dangerous contagion. A good garden book, she says, must be indispensable, the reader must need it; it must be written with life, with fire. She has observed of Gertrude Jekyll that she sets all sorts of plans going in your head. So does Louisa King.

Better than the best photographs, her descriptions of a garden make you see it, feel it, want to rival it. And her advice is always of that priceless kind—personal history. Here, for instance, on a garden library: "Collect catalogues of seeds and plants. Send all over the country for them. Send abroad for them. And then preserve them with the utmost care, arranging, filing, indexing them, so as to make them available; they are the best beginning for a garden library." Generous advice from an author with books to sell!

Her own most precious pile of such catalogues is labelled, "Rare and New Things". That fact shows her for the ripened gardener that she is. Mr. Euan Cox, former editor of one of England's advanced garden magazines, has said that what he most missed in American gardens was the chance to see new plants. Every garden here, he candidly added, grows the same plants as every other. By that favorite pile of "Rare and New Things", Mrs. King shows how far beyond most of us she has gone. 

(Continued on page 76)
Flowery terraces in Pennsylvania

RIGHT: A terrace garden in Chestnut Hill is like a hanging garden among the tree tops. Potted plants lend touches of color and there is the constant sound of running water flowing pleasantly from the fountain into the central pool.

BELOW: The house of Mr. and Mrs. Frederick R. Rosengarten at Chestnut Hill backs into the forest. The terraces and balconies overhang low trees. Through higher trees can be glimpsed the wide landscape of distant fields and hills.

ABOVE: Mr. and Mrs. William R. Mercer, of Doylestown, have a wide flagged terrace before their house. Tall shade trees and old box bushes, contrasting with the mellow bricks, make it into a cool green court. The place is called "Aldie".

RIGHT: "Boxley", the property of Mrs. Frederick W. Taylor of Chestnut Hill, is one of the very old Pennsylvania estates. The boxwood, planted by Count Jean du Barry in 1803, forms avenues which are now higher than one's head.
Long allées of brilliant foliage, green shaded courts provide outdoor living rooms in these eight beautiful gardens.

LEFT: "Penhurst", with its famous rock garden, is the property of Mr. and Mrs. Percival Roberts, of Narberth. Cascades of white, yellow and pink flow over the wall. At the garden's end stand bright pink flowering crabapple trees.

BELOW: On a small terrace beside the house of Mr. and Mrs. Stacy B. Lloyd, of Ardmore, dogwood and azalea fill the corner, flanked on the opposite side by tulips and other low-growing Spring flowers. The gate leads to the woods.

ABOVE: "The Highlands", famous for its old trees and wide lawns, is the home of Miss Caroline Sinkler, of Ambler. Stone steps, with white violets in crevices, lead down to a deep woodland path, which is guarded by a forest spirit.

LEFT: The rock garden and Spring tulip beds form an integral part of the house terrace in the garden of Mrs. George R. Packard at Villa Nova. Various annuals in the wide borders continue the color through the Summer months.
Cottage on the sands

This compact Cape Cod type cottage is designed for Summer seashore entertaining

The diminutive appearance of this attractive cottage at Beach Haven, New Jersey, is a clever illusion. Designed for informal seashore parties, its plan includes six bedrooms, four baths and a maid's room and bath. The four baths are an unusual luxury too often overlooked in seaside planning. Note, on the plans, the outside stair to the rooms over the garage, a praiseworthy space-saving arrangement. The living room fireplace is a welcome inclusion; and a wide veranda overlooks a broad sea view. Savery, Scheetz & Gilmour, architects.
A garden by the sea can be vigorous-growing and beautiful, but there are many elements continually trying to destroy it. Climate, winds, salt spray, poor soil—all these are relentless in their efforts to obliterate man-made beauty near salt water. In the warmer parts of the country there are many plants which can be used in such gardens, but in the colder regions there is less material from which to choose. Normally, one would expect that the modulating influence of the ocean over temperature would permit a large number of things to be grown which might not be hardy inland. However, the cruel winds of Winter are exacting in their demands and it is only the hardiest of trees and shrubs which can be grown in unprotected places by the ocean.

Once a barrier is established—one which will keep out high winds and a major part of the salt spray—there are hundreds of plants which can be grown. The line of first defense is the background or windbreak and it should consist of rugged trees and shrubs which are definitely known to withstand seashore exposure.

The devastating hurricane in New England in 1938 has left its fatal trail over a wide region. Such catastrophes usually teach many lessons, and we who are interested in plant materials have learned a very great deal horticulturally from that storm. Pines and other evergreens many miles inland were severely burned either with the salt spray carried by the hundred-and-fifty-mile wind, or by the winds themselves, or both. Many were so badly injured that a few days after the storm there was not a single green leaf left on them. Thousands of white pines dropped all their needles, but a recent survey shows that a large proportion of these trees have sent out new shoots this past Summer and they can be expected to regain their complete foliage gradually, providing there is plenty of rain during the growing seasons.

Many a New England seaside garden was under several feet of salt water for at least several hours as a result of the hurricane. This not only had serious effects on the foliage, but injured the plant roots, and in many instances changed the delicate balance of salts in the soil to such an extent that it has been difficult to get some plants reestablished. However, the salt water did not do irreparable damage to soil upon which it stood for hours or days.

Elsewhere many gardens are planted on "redeemed" soil which has (Continued on page 74)
1 Now that the busy months commence, schedule your work both indoors and out. Use this calendar as a check list for yourself or your gardener. Alternating heavy and light jobs.

2 Even though the soil is slightly frozen, rake the lawn with an iron rake. Get up all stones and sticks. Feed it a lawn fertilizer. Recessed dry spots and fill hollows. Begin rolling.

3 Air planted cold frames regularly. Those to be planted later can be uncovered completely on warm days to dry. Also ventilate hot beds. Cover sash with mats if nights grow cold.

4 Destroy insect cocoons, eggs and caterpillar nests on trees and shrubs. Pears, lilacs, flowering almonds and quinces should be sprayed with lime sulphur for scale.

5 Cut old wood out of currants and gooseberries. Start lifting mulch off strawberry bed. Save the straw. Press back plants that frost has heaved. Dress asparagus bed with fertilizer.

6 Start repotting house plants. Use ½ leaf mold, ½ loam with dusting of bone meal or sheep manure. On a cloudy day take off Winter coverings of boxwood and evergreens.

7 Sow sweet peas now. Dig trench 9", filling bottom with manure. Cover 3" with soil and sow seed. As plants grow fill the trench. Later thin them out to stand 4" apart.

8 Indoors sow seed of ageratum, asters, cosmos, chrysanthemums, moonflower, morning glories, nicotiana, Phlox drummondii, salvia, scabiosa, stocks, verbena and zinnias.

9 After uncovering the rock garden, top-dress plants with a mixture of sand, soil and peat moss ½ each. Start uncovering roses and perennial beds. Do this gradually.

10 Start dahlia tubers in pots of sand indoors. When shoots are 3" long, cut them off with part of the tuber and grow along in sand in a warm place. By the 15th sow dahlia seed.

11 The three eastern flower shows in Boston, New York and Philadelphia all begin this week. Plan to visit one or all of them, both for inspiration and desirable plants and tools.

12 When you have cultivated the strawberry bed and worked in fertilizer between rows, lay back the straw and tuck it beneath the plants to protect the berries later.

13 Orchard trees and small fruit bushes should be set out as early as ground can be worked. Prepare tree holes beforehand or else trench the stock till the soil is ready for it.

14 Examine roses and take out those that have been Winter-killed. A 10% loss is not distressing, but 25% means that bushes started the Winter in a weak condition due to diseases.

15 Turn in manure mulches placed around shrubs, being careful not to break roots. Do not sweep shrubs clean of leaves which make a natural leaf-mold. Trim broken hedges.

16 Before vines start to grow, paint lattice and arbors. Collect pea brush and cover with heavy boards to press flat. Start this year's compost heap from old mulches and soil.

17 Now that the mulch and heaped soil has been removed from roses, prune them back and spray both soil and plants with lime sulphur or Bordeaux mixture. Order plenty of labels.

18 Indoors you can force branches of alder, red maple, elms, shadblush and crabapple, in addition to the usual early-flowering shrubs. Charcoal in the water will keep it sweet.

19 Prune fruit trees and burn the trimmings. Clear out broken and dead branches. Firm soil around trees planted last Fall and secure stakes and guy wires. Be sure to save labels.

20 Start transplanting indoor seedlings as soon as true leaves appear. Have flats of sterilized soil ready for the work. Thin out seedlings in cold frames and keep well aired.

21 When maples begin leafing and the soil is crumbly, you can begin planting outdoors seed of beets, carrots, lettuce, parsley, parsnips, peas, radishes and salisify.

22 The hardwood ashes you have been saving from the fireplace can go on delphiniums, grapes, iris and roses. Set out pumy plants and keep faded flowers picked to continue bloom.

23 In the cold frame sow seeds of asters, Brussels-sprout, cabbage, cauliflower, marigolds, petunias, salpiglossis, salvia, snapdragons and stocks. See that all are well labeled.

24 Two fast-growing perennials should be divided this month—Michaelmas daisies and chrysanthemums. Cut both into small divisions and replant these outside in good soil.

25 From the leaves of African violets inserted in sand you can grow flowering plants in seven months. Watch all house plants for pests that will increase with warm weather.

26 Geraniums that have grown gangly can be cut back. Don't water them too much. When cyclamen show yellow leaves lay them on their sides in the cellar for a rest.

27 Gardenias, hydrangeas and azaleas are good flowering plants this month indoors. Remove faded gardenias and withhold water. Why not buy a stapelia for the plant window? It blooms in April.

28 If you have an unsightly corner and want to cover it quickly, plant cinnamon vine, Madeira vine, hyacinth bean or scarlet runners. These are all fast growers and no bother.

29 Don't be impatient for Spring or anticipate its coming by gardening in light clothes. The end of March can be treacherous. Much work lies ahead. Keep in good condition for it.

30 All plants should be ordered by this time. Make a note of where you plan to set them so that there need be no delay on their arrival. Have you started a garden note book?

31 Get your lawn mowers sharpened. Oil the lawn roller. Repair brick paths that have been heaved by frost. Make or buy extra seed flats and have plenty of potting soil ready.

House & Garden's Gardening Book, now ready, contains a mine of practical information, besides its 700 illustrations, many of them in color. It answers a thousand and one gardening questions.
FIND 8 SOUPS ON THIS PAGE

Four soups that hostesses look at from two angles. To cream these soups or not to cream them, that is the question. You decide. Sometimes you will, sometimes you won't—depending upon the meal and the occasion. CAMPBELL'S PEA SOUP—a smooth purée of selected peas, blended with fine table butter. Even more nourishing as cream of pea. One taste, and you think of June gardens. CAMPBELL'S ASPARAGUS SOUP—memories of spring's first asparagus, bright green, tender, and drowned in melted butter. Try this soup, too, as cream of asparagus. CAMPBELL'S CELERY SOUP—appealing as a stalk of crisp white celery, and filled with tender edery pieces. Good at lunch or dinner—lovely good as cream of edery. CAMPBELL'S TOMATO SOUP—the favorite tomato soup wherever you go. Plump, vine-ripened tomatoes account for its marvelous flavor. Makes a satiny-smooth cream of tomato, too.
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**SOUTH OF THE BORDER**

(continued from page 40)

passion for Latin countries and was living in Mexico City to perfect her Spanish, to go along with her and help with the entertaining at the new hotel. Mrs. Tanner became so intrigued with the Playa she said she wished she could become a part of the staff—in sort of a hostess or "Information, Please" position. This she did, and with such success she was eventually appointed manageress. It was a grand idea. Mrs. Tanner makes you feel you're a visitor at a private home—or perhaps a club would be more accurate. She lets you alone if such is your wish—but if you're a restless soul she'll see to it that Guaymas isn't just a place to siesta.

**TUNA, BONITO AND GIANT RAY**

What will you do? Well, first of all you'll fish. Oh, I know, you may say you're not an angler, that it's the dullest of sports and that you're saving it for your old age. But I assure you that after you're in the angling atmosphere of the Playa a few days, you won't be able to resist going along with a fishing party some day, supposedly as a spectator. Then before you know it, you'll want to take a crack at a red yourself and after you've landed a beautiful big fellow—and you're sure to do so—you'll turn into the most ardent fisherman on the place. The principal fishing season is from April to October when marlin, sailfish, tuna, bonito and dolphin are among the catch which abound. During other months there'll be tarpon, red snapper, pompano, silver seatrout and giant ray. And the latter are definitely giant around Guaymas. I happened to be there last November when the first ray of the season was caught by Count Giuseppe Cippico—and it turned out to be a mere matter of 3,200 lbs!

You go out in the Gulf in comfortable motor boats with canvas tops to protect you from the hot noon-day sun and you're apt to stay out all day. The boats are in charge of competent skippers skilled in the art of angling. The charge for these boats may at first seem a bit high, but when divided among a party it isn't bad at all. Five dollars an hour, or fifty dollars a day in a boat for four people—three dollars an hour, or thirty-five dollars a day in a boat for three.

Besides catching fish, you'll be eating lots of it too. Guaymas oysters are famous among gourmets and one of the most popular is the **Scampi**. Cooked in herbs and sauteed in oil, they remind you of the sea food salads which, with trimmings, are favorite luncheons eaten under umbrellas by the pool. Or you can order lunch brought to you in one of the many patios. Dinner is also an informal affair at Guaymas, "dressing" consisting of a clean pair of slacks instead of those you've worn all day or, for men, slipping on a blazer or tying a scarf around the neck of a polo shirt.

You dine late—usually after a leisurely session at the bar. This bar, incidentally, is an exceedingly important part of the hotel to most guests. It's here, after the sun has set, you cup up on a banquette and tell Jesus (the bartender) to concoct his special tequila rickies or one of the many rums that he can mix up with those Who have been fishing all day will regale you with tall tales about their catch and picnickers who cooked their lunch on the beach. You may tell of the Yaqui Indians they encountered—without mishap. For a large room, the Playa's bar has an unusually friendly air. Perhaps this is because of the amusing Mexican scenes which decorate the walls, though the secret of its Gemütlichkeit probably can be attributed to the charms of the presiding bartender.

**DOLCE FAR NIENTE**

There's rarely dancing at the hotel—unless you happen to be there for a gala event such as the Fiesta de la Pesca, when the marlin season opens in May. But there's often impromptu dancing to the phonograph, radio or to music furnished by troubadours who are apt to drop in of an evening. Their music is not conducive to jitterbug steps but rather to the rhumba or tango. Actually, you probably will do is to stay put in your comfortable chaise lounge in the patio and just listen to the heady Latin strains while the moonbeams dance on the water of Bacochibampo Bay before you.

Such music is just in key with Guaymas. You don't even want the radio there. On first arriving you may turn the switch to hear what's going on in the world which suddenly has become so remote—but in a day or two you don't care. If you go to the radio at all, you'll turn the dial until you get some music—dreamy music. You won't need any sedatives down there—the whole atmosphere of the place is relaxing.

If for some reason—perhaps the tequila followed by the good Sancho Tomas Spanish wine you had at dinner—you feel like going places and doing things, in a few minutes you can drive to Guaymas for a spree. Maybe there's a dance at the Club Centro, where society goes. And don't think there isn't society in Guaymas. Indeed, it's very patrician and even in these days chaperones line the dance floor to keep an eye on the maidens. If you feel like seeing "types", then go to the Sonora or Almada bars, to Chipulapa, on the harbor. They're all places you wouldn't be caught dead in at home—but down in Guaymas they seem colorful and full of that sought-after thing called atmosphere.

 Hunters are gradually edging in on the angling element at the Playa. They've discovered what excellent quail and duck are to be had at Cajeme, seventy-five miles south of Guaymas. In Mexico you aren't allowed to hunt unless you're a Mexican citizen.
BRAVE RANGE OF REDS
(CONTINUED FROM PAGE 36)

Shown on the table, the first plate, with rich red border and gold scrolls and leaves. Second, Chinese design in laquer red and dark blue on a traditional gadroon shape. The third plate has a vivid rose red band, gold border and gay floral center. Pitcairn

Stemware shown on the table echoes with its rich and yet delicate cutting the romantic mood of the setting. Above, champagne, water and wine goblets in Fostoria's "Ingrid" pattern, all found at Ovington's

The sterling flatware on the table exhibits its deep, graceful carving and nice proportions even more vividly in this close-up photograph. Here are dinner knife, dinner fork and tablespoon in the "Rembrandt" pattern, a design by R. Wallace & Sons

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Mrs. Balfour Miller, shown in her bedroom at Hope Farm, Natchez. (This is the bedroom reproduced so effectively by Cavalier.)

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MORE NOVELTIES

New annuals and perennials chosen from the 1940 catalogues which will be of interest to all wide-awake gardeners planning for Summer

ASTER HILDA BALLARD
SHASTA SNOWBANK
HELIANTHUS CORONATION
ASTER GAYBORDER BLUE
PENTSTEMON GARNET
STOKESIA BLUE MOON
PHLOX BLUE BOY

SAVANNAH RECIPES

From a Low-Country cook book came these instructions for some traditional antebellum dishes.

Mrs. George W. Anderson's locally famous recipe. Pick the meat from 12 crabs and mix with the chopped whites of 2 hard-boiled eggs. Mix with the boiled yolks of the eggs 1 tablespoonful of dry mustard, 1 tablespoonful of butter, salt and a little flour. Stir this mixture into 1 quart of boiling milk, add crab meat, and before removing from the fire add 1 lemon sliced thin and 1 glass of sherry.

PIÈCE DE RÉSISTANCE

Terrapin stew even in the old days was not just an everyday dish, but was reserved for state occasions. Nowadays with terrapins at $2.50 each and making about two bowls of stew, it is still a dish for the occasional blow-out—but what a blow-out! There are many recipes for terrapin stew in old Savannah cookbooks, but it is now possible to buy it ready-made from Barbee's Terrapin Farm at the Isle of Hope, near Savannah, where the third generation of Barbees is raising terrapins for the local and eastern markets.

They ship the live turtles, put the stew in cans and also can the turtle meat itself, which sells for a dollar a can. Here is a recipe for terrapin stew based on one written in an old cookbook around 1780, but which has been worked out so that canned meat can be used. It serves 14 people and you will need 3 cans of terrapin meat. Put 2 quarts of fresh cream into a double boiler. Rub together the yolks of 12 hard-boiled eggs, 6 tablespoons of butter, 6 tablespoons of cornstarch until creamy, and thin with hot liquid from the cans of terrapin meat. Add to the rumeng, salt and pepper to taste and the peel from 1 lemon. Mix slowly into the cream, and then add terrapin meat from which all bones have been removed. Thicken a little, and then pour in 1 cup of sherry just before serving.

SEAFOOD DE LUXE

If you are visiting Savannah you can get terrapin stew like this at the De Soto Hotel, which has been famous for its cookery for half a century. It has another connoisseur's dish known as "Fisherman's Delight" which consists of planked fresh water trout, surrounded by native shrimp and oysters with a tomato sauce. We were very partial ourselves to a wonderful concoction of shrimp, oysters and crab meat en gratin, but this ran neck and neck with the Ogeechee shad, which comes from that river, just twenty miles from Savannah, and which they do up in an inimitable way with bacon and peppers.

We got a recipe for baked shad from Mrs. George Anderson who has been used in her family for ages. It is quite

(Continued on page 58)
Pastime Packet is a fragrant foursome of Early American Old Spice favorites — ¾ oz. Toilet Water, Toilet Soap, Wardrobe Sachet, and Guest Talcum — each redolent with piquant Old Spice. The gift-token, contained therein, provides a genteel and enjoyable pastime for ladies desirous of beautifying their homes in the Early American manner. It's an authentic needlework transfer-pattern of the much-loved Early American Old Spice motifs, for graceful fingers to embroider onto household linens, towels, and curtains, thus ensembling them with Early American Old Spice toiletries.

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SAVANNAH'S PRESENT
IS SEASONED BY ITS COLORFUL PAST

(continued from page 21)

from that of Charleston with its inter-lacing of old streets and its walled gardens. The pace is strong in Savannah, but not so overwhelming as it is in Charleston—perhaps because Savannah, being sixty years younger, has less past to cope with.

But there is the same atmosphere of leisure, of time to spare. Everybody goes to market in the morning—the big city market, which used to be held outdoors but is now inside; housewives buy their supplies of meat, seafood, and vegetables from their favorite vendors and chat with their friends. News seems to travel faster by word of mouth than by the daily press; the papers are read apparently to confirm what has already been heard in some form.

EARLY HISTORY

Savannah's history explains much of its character. The colony of Georgia, as every school child knows, was founded as a humanitarian venture for the relief of victims of England's harsh debt laws. It was also a military venture, a bulwark against the Spanish encroachments to the South, General Oglethorpe ably administered the colony in both fields for a decade, expending a large proportion of his private fortune in the accomplishment. He defeated the Spaniards, and saw the colony grow to the point where its trustees turned it over to the crown as a royal colony. He brought over a volunteer regiment of 600 men from England for his expedition against the Spaniards, and many of the old plantations about Savannah and in the sea islands date back to grants of land made to his officers.

WEALTH AND CULTURE

The richness of the region began to attract new colonists from the Carolinas, Virginia, and Massachusetts as well as from across the sea. Rice was grown on the coastal islands, and later the famous Sea Island long-staple cotton. As the back country was opened up, the Savannah River became the great trade thoroughfare, and Savannah the port of entry. The Up-country's crop was tobacco first (and later cotton) and the great hogsheads of tobacco were rolled along the tobacco roads to the river, to be floated on barges to Savannah.

(Continued on page 55)
SAVANNAH'S PRESENT IS SEASONED BY ITS COLORFUL PAST

All the wealth of the hinterland flowed through the port. The great expansion and growth of Savannah came after the opening of the 19th Century, when the invention of the cotton gin (by Eli Whitney, 1793, while a young tutor at Mulberry Grove Plantation, 12 miles from Savannah) and the opening up of the great Cherokee territory to the north speeded up the production and importance of cotton.

FACTORS' ROW

We can see today in Savannah evidences of these busy shipping days, in the tremendous stone retaining walls about the bluff overlooking the river—built from rock brought over as ballast in ships which took back cotton and tobacco. And we see Factors' Row, which once housed the offices of the shipping kings, each with its wrought iron balcony, from which incoming ships might be sighted through spyglasses as they came up the river.

The great houses were built during this era, and it is natural that the Regency influence should have been reflected in their architectural style. Practically all of the plantation houses about Savannah have disappeared, either destroyed by General Sherman, or later by fire or decay. Some of the finest of the town houses have fortunately come down to us today.

LANDMARKS PRESERVED

But even after the misfortunes and changes of the Civil War, Savannah continued to grow, and preserved a social and cultural preeminence which bowed only to that of Charleston. And since many Savannah and Charleston families are inter-related, few Savannahians feel even that is necessary.

There was a time when commercial growth in Savannah was insidiously obliterating its picturesque houses and landmarks, one by one. It was in this period that the Hermitage Plantation, in the heart of the now industrial section, was torn down to make way for a paper bag plant.

But recently, in large part through the efforts of Mayor Thomas Gamble, who was a historian before he was a mayor, Savannah's architectural heritage is becoming more and more recognized, as is the importance of its study and preservation.

Evenlode Queensware

This new design on Corinthian shape is worthy of the best WEDGWOOD tradition...The quiet dignity of this new dinnerware service harmonizes perfectly with the simple tendency of the modern trend, creating a dinner service of unusual charm and lasting popularity. "Evenlode on Corinthian shape" is carried in open stock by leading stores.

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Without charge, if you will mention House & Garden, you may have our brochure, "Furniture and the Connoisseur."

In Savannah, as in the other cities of the Deep South, wrought- and cast-iron decoration was a feature of antebellum houses. Since the verandas were usually raised above the street level, many opportunities were created for delicate patternings in iron railings, enclosures and balconies.

Savannah’s designs, however, differed from those in Charleston, New Orleans and other cities. As can be seen here, the motifs are somewhat simpler, more geometric—a little less exuberant in their curves, and in keeping with the more formal style of the Regency.

The York Street house below, built between 1800-1825 for example, exhibits extremely simple wrought iron work in its balconied window, stair rail and gate. Later, and therefore more elaborate, is the second house, built in the late 50s by Algernon Sydney Hartridge. The third house has a whitewashed brick front with stairs leading up to a white-painted doorway with fluted columns. Its lovely ironwork reaches as far as the second story.

On page 57 are four more examples of Savannah’s craftsmanship in iron. The first two are the home of Dr. T. P. Waring at 10 West Taylor Street. All ironwork here was imported from Charleston, which explains its intricate, facelike quality. The balcony and frame to the second story go all around the house, as was not unusual.
IN OLD SAVANNAH

HOUSE OF DR. T. P. WARING

WARING HOUSE STAIRWAY

WEITER HOUSE, PORTRAIT MEDALLIONS

CURVED STAIR AT 117 WEST JONES STREET

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1505 Clover Leaf Relish, $1.50
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Ivory-Washable ROOM-MATES
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Your friends will think a smart decorator has just done your rooms over if you try this: Combine Chelsea Special (Floral) with its "mated," Desley Kent Stripe in new slip-covers and draperies! Yes, you can afford this clever decorator's trick of presto-change-o because these durable 50-inch cottons are really inexpensive. Ivory Flakes help you keep the stunning patterns clear and the pretty colors fresh—so easily and so economically!

Desley Fabrics advise
Ivory Flakes care... 99 4/100 % pure

SAVANNAH RECIPES
(CONTINUED FROM PAGE 53)

simple, but the result is delicious. You split the shad wide enough to clean, wash and salt. Place inside a dressing made of mashed potatoes, a small amount of onion, salt, pepper and a tablespoonful of butter, also a small slice of breakfast bacon. Sew the shad up and put in a pan with a little water and about a quarter of a pound of butter. Cook in a steady oven and taste constantly.

Almost every woman in Savannah has her own specialty for which she often acquires more than local fame. Almost every good housewife puts up peach pickles in peach season, watermelon rind and Jerusalem artichoke pickles, and preserves the abundant figs which seem to grow in almost every backyard. But some, due perhaps to some secret trick handed down from plantation days or to a natural aptitude, exceed over their confreres. Many ship their product to gourmets in all parts of the country.

Mrs. Paul Seabrook's "peach leather" is famous. She makes it from an old Low Country recipe dating back to Colonial days, from peaches prepared in a certain way and dried in the sun. Mrs. M. M. Hopkins makes a special Chatham recipe which has been handed down in her family for generations; her artichoke pickles have quite a name also, and so has her crystallized grapefruit peel which is so soft as a gumdrop. We have already mentioned Mrs. Lattimore's "Geechee Limes." She is also awarded the palm for her fig preserves, and Mrs. Ethel A. Stewart's peach preserves have considerable fame. California. The California Spring Garden Show at Oakland, which runs from May 1st to 5th, is planning to turn its exhibition hall into fairyland. Visitors will enter through a mossy grotto and pass into the main exhibit hall under the giant redwood of a Garden of Elves. The show will also have its usual outdoor displays in which the garden clubs show so successfully.

In addition to those already noted, the Michigan Horticultural Society will hold its annual Spring flower show from March 23rd to 31st at Detroit, and the Worcester County Horticultural Society, Worcester, Mass., well known for its outstanding exhibits, will hold its show from March 7th to 10th inclusive.

The annual National Flower and Garden Show of the Society of American Florists will be held this year at Houston, Texas, from February 28th to March 6th.
creamed to each plate as you serve it. This recipe makes enough for eight.

MUSHROOM TARTLETS. These are a great favorite of mine. They are wonderful for a cocktail party or to serve with cocktails before dinner.

Make the paste early in the morning or the night before the party. Sift 2 1/4 cups of pastry flour with 2 level teaspoons of granulated sugar and 1 of salt. Work into this with the finger tips 1 cup of sweet butter. Bind together with 2 slightly beaten eggs, form into a ball. Put it into a bowl, cover tightly with a sheet of wax paper, place in refrigerator to chill. When ready to make the tartlets, roll out fairly thin, cut out circles with a biscuit cutter, making them two and one-half inches in diameter, and line tiny little muffin tins with these. Crimp the edges as well as possible but don’t fuss too much with them. Bake them until a delicate brown in a moderately hot oven. When ready to serve, place them back in oven just to warm through and fill with three-quarters full with the following mushroom mixture, being sure that it is hot.

Wash, dry, cut off tough part of stems and slice 1 pound of fresh mushrooms and chop them very, very fine. Put 2 generous tablespoons of butter in a pan and melt it. Add the mushrooms. Cook slowly without browning until they draw their juice and cook down again. Then add 2 level tablespoons of flour, stir and cook a minute or two, then add gradually about 1/2 cup of cream, and cook, stirring all the while, until thick and of smooth consistency. Season to taste with salt and freshly ground pepper. Make an 8-egg French omelet in the usual way and just before folding add the sautéed mushrooms. Pour over the omelet a little hot melted butter seasoned with lemon juice, grated lemon rind, and a few chopped chives or a little chopped chervil or parsley. Serve it at once.

MARINATED MUSHROOMS IV CREAM DRESSING FOR HORS D'OEUVRES. Wash quickly, dry, stem and slice thin 3/4 pound of mushrooms, more or less than this. Sauté a little lemon juice over them as you go. Season to taste with salt and pepper and add a pinch of nutmeg and a little pepper and 1/2 cup of stock, or milk. Bring to a boil and then put the dish in the oven to cook slowly for about one hour and a half or until the endives begin to brown. Remove from the oven. Now open 2 cans of condensed cream of mushroom soup, place in a small pan and add 1 tablespoon or more of cream and heat gently. Add 1 heaping tablespoon of grated Parmesan cheese and the same amount of grated Swiss cheese. Pour into an oblong pyrex dish and place on this bed, side by side, the endives. Pour over the whole any juice there may lie in the endives dish, then place the whole in the oven just long enough to heat through and serve at once.

STUFFED MUSHROOMS. Wash, dry, and stem 1 pound of small firm mushrooms. Cut off tough part of stems, peel and drop into an enameled saucepan containing salted water and the juice of 1 lemon. Bring quickly to a boil, cover and cook gently for five minutes. Drain, let the cold water run over them a second, place in bowl and strain over them boiling hot marinade. This is made by simmering together for five minutes 1 1/2 cups of vinegar with 1/2 cup of olive oil, 1 crushed clove of garlic, a pinch of thyme, a small piece of bay leaf, 1/2 teaspoon of coarsely ground black pepper, 1/2 teaspoon of salt, a branch of parsley, and a few coriander seeds. When cold, place in refrigerator for several hours before serving. Sprinkle lightly with chopped chervil or fennel at the last minute.

ROQUELLE MUSHROOMS FOR SIX. Cream 3/4 cup of butter with 2 tablespoons of pickled horseradish. Wash, dry, and stem about 1 1/2 dozen large mushrooms. Melt a little butter and dip each mushroom cap in it and place them one by one, cup side up, in a flat pyrex dish. Salt and pepper them lightly, place about three inches away from the broiler, which has been preheated, and broil them four minutes, then turn them over and broil about four minutes longer. Dot with the horseradish butter and place in oven just long enough to melt the butter and serve at once accompanied by a plate of hot buttered toast.

MUSHROOM OMELET FOR SIX. Wash, dry, and stem 3/4 pound of mushrooms and slice the caps very thin. Melt 2 tablespoons of butter in a frying pan and when it sizzles add the mushrooms and cook for six or eight minutes, shaking the pan occasionally. Season to taste with salt and freshly ground pepper. Make an 8-egg French omelet in the usual way and just before folding add the sautéed mushrooms. Pour over the omelet a little hot melted butter seasoned with lemon juice, grated lemon rind, and a few chopped chives or a little chopped chervil or parsley. Serve it at once.

BRANDED ENDIVES WITH MUSHROOM SAUCE FOR EIGHT. Take the outer leaves off 18 endives, wash thoroughly and rapidly in cold water, dry and place them in a shallow well-buttered enamel or pyrex dish. Sprinkle a few drops of lemon juice on them, salt and pepper and dot with 3/4 pound of butter, add 1 cup of good meat stock, preferably chicken, cover with a buttered paper and put on a low fire. Bring gently to a boil and then put the dish in the oven to cook slowly for about one hour and a half or until the endives begin to brown. Remove from the oven. Now open 2 cans of condensed cream of mushroom soup, place in a small pan and add 1 tablespoon or more of cream and heat gently. Add 1 heaping tablespoon of grated Parmesan cheese and the same amount of grated Swiss cheese. Pour into an oblong pyrex dish and place on this bed, side by side, the endives. Pour over the whole any juice there may be in the endives dish, then place the whole in the oven just long enough to heat through and serve at once.
Our readers dictate our editorial policy. Here are some of their opinions. Won't you write yours?

BEDROOM MYSTERY

Dear Sir:

An avid student of blueprints, the daughter of an architect, I was highly amused by an error noted in the HOUSE & GARDEN's January issue, Section I, page 22 (in the article on a California type house).

Do cast your eye over it again! Is the small bedroom designed for a hermit who will receive food thru a window, or does one use a trap door? Perhaps it is for Mr. Milipeloast on his wife's bridge days. (But in this case he COULDN'T let the neighbors see him coming feet-first out the window!) In any case, it offers splendid possibilities for a "pulp" mystery writer.

Cordially,

Mrs. W. T. Eddy,
Jackson Heights, New York.

We acknowledge an architectural cul-de-sac.—ED.

FALSE-FACE

Dear Sir:

I am very interested in the picture of "Tara" which appeared on page 26 of the November issue of your magazine and would like some further information about the house itself if possible. Were houses of this type usually built with four columns, three windows and a door in the main section as in the picture, which would apparently place the main entrance door behind one of the columns? Also I would like to know whether this house was actually constructed and whether a floor plan is available which would show me the interior arrangement.

Very truly yours,

Warren Lott Cruikshank,
Brooklyn, New York.

Tara (see cut) was never fully constructed. The photograph above is of the movie set in "Gone with the Wind". The main entrance is between the two pillars, not in back of one of them. Floor plans are not available. Further information on interiors can be furnished by our decorating consultant, Joseph B. Platt, who designed them.—ED.

ANTIQUE TWINS

Dear Sir:

In your splendid November issue of HOUSE & GARDEN, down in the lower right-hand corner of page 34, you have an illustration of the Hope Farm dining room. We were greatly interested and we are delighted to see that the four chairs pictured in this illustration are identical with four which we have had in the family for two or three generations. . . .

Cordially yours,

Horace Dunbar,
Los Angeles, California.

DEEP SOUTH

Dear Sir:

I want to tell you how much I have enjoyed the November issue of HOUSE & GARDEN, The best issue yet.

One reason—it brought back so many beautiful memories of my childhood and of our old homes in the deep South. . . .

Then my childhood memories are of the sugar plantation near New Orleans—where I spent my childhood. This home had all the splendor and elegance of the Southland. Its beauty was beyond my describing. Back of the mansion were the stores, slave houses and the sewing rooms for making the colored people's clothes.

I used to enjoy rides over the plantation and to see how the darkies were getting along.

The Show Boat used to dock not far from the house and put on a great show, we thought.

It was a happy land of peace and contentment—among the masters and their darkies. . . .

Then I want to thank you again for the beautiful issue of HOUSE & GARDEN.

I have just put it in my chest for my granddaughter—who is just one year old.

Sincerely,

Ione Hendrick Bell,
Shreveport, Louisiana.

BELLE GROVE

Dear Sir:

I am anxious to obtain any and all information possible in regard to "Belle Grove 1857" mentioned in your November 1939 issue, top of page 48. Particularly I would like to learn of Belle Grove's exact geographical position, its pres-

(Continued on page 61)
ent state of preservation, how much acreage is contained in the property, if Belle Grove is for sale, and detailed plans of the house, if in existence, etc. . . .

Sincerely,
John Yawkey Wickes,
Saginaw, Michigan.

Dear Sir:
While reading your November Deep South issue, the majestic aspect of a certain plantation home, Belle Grove (page 45), attracted my attention. Those old Southern homes, with their placid beauty, interest me greatly, as our family pilgrimage from the Deep South was made only one generation ago. . . .

Very truly yours,
Mr. John Maroon,
Santa Ana, California.

Dear Sir:
I plan to make a trip through the South this Winter and would appreciate it very much if you could tell me nearest to what town or city Belle Grove is located.

Yours sincerely,
Dale J. Young,
Buffalo, Wyoming.

House & Garden's editorial heart is warmed by the unusual interest in Belle Grove (see cut) and the old houses of the Deep South.

Belle Grove is about two miles south of White Castle, La. It has been untenanted for fifteen years and is in sad disrepair. Architect Harvey Smith, of 17 Baltimore Block, Atlanta, has made a study of these old plantations and can doubtless give more detailed information about Belle Grove.—ED.

WHY GARDEN CLUBS?

WHY GARDEN CLUBS? In the River Oaks Magazine of Houston, Texas, a while back we found these remarks on gardeners and garden clubs. Its only fault is that the writer presumes all gardeners and garden clubs. Its only while back we found these remarks on Oaks Magazine of Houston, Texas, a

able loveliness. Those individuals who are not born gardeners profit to the limit of their capacity of appreciation. And so, in varying degrees are all lives influenced by these clubs.

"There is a mystic quality in those who bend their minds and their backs to gardening, because in the line and form and color of a garden, through the tiniest hairline root, beauty is interpreted and made manifest.

"The gardener is the exponent of art through living things. She takes the glories of a lavish Nature, tucks them about man-made dwellings and makes a haven of charm and beauty. Her head is in the clouds, her feet are planted firmly in the earth, her hands are gathering in the rainbows and the fragrance of the dawns; the sun and the wind and the rain are the tools with which she works and she is among the immortals. We salute her as the harbinger of heaven to an appreciative needy humanity—and we welcome her as an emissary from those shores whose moving spirit is Enchantment."

Here is another gay Strahan wallpaper for 1940....colorful as a gypsy costume....as bright and interesting as gypsy music.

Other Strahan papers will be shown in House and Garden this Spring. Each one of them has been prepared in the best Strahan tradition...designed for beautiful and livable rooms and produced with all the skill and craftsmanship which have been Strahan's for more than half a century.

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MAKERS OF FINE WALLPAPERS SINCE 1886

IN NEW YORK CITY AT 417 FIFTH AVENUE

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Match your slip covers and draperies with Derby Crash
SMARTER— they outwear most slip covers.

color, Sanforized-Shrunk (not STURDIER
springed snaps — sturdy tape.

Invisible, trouble proof, strong dressing table skirts, valances.

Washing Will not pull out, easy to snap,
WELTS and BINDINGS.

INSIST UPON

DERBY CRASH SANFORIZED

WELTS and BINDINGS
and WILSNAP FASTENER TAPE

Match your slip covers and draperies with Derby Crash
Wells and Bindings . . .32 smart decorator shades. Washable, fast
color, Sanforized-Shrink (not 1%).Sturdy, part linen crash
—they outweigh most slip covers.

Wilsnap Fastener Tape makes smooth closures for slip covers,
dressing table skirts, valances. Invisible, trouble proof, strong
sprunged snaps—sturdy tape.

Will not pull out, easy to snap,
no gaps or puckers. Washing
will not harm it.

CONSOLIDATED TRIMMING CORP.
27 WEST 73d ST., NEW YORK CITY

CONTENTS

1. MARCH, 1940

2. Add richness and color to your garden
by planting these delightful favorites

3. Although ferns are not often the reigning beauties in the garden,
like red tulips, pale hydrangeas, or nodding bellflowers, they have kept high
in the lists of plant favorites through their adaptability, variety of forms,
substantial grace, trustworthiness and color. Rarely, however, do gardeners
enjoy the advantage of the full range of opportunities offered by these plants.
Few as the well- planned gardens without
them are, fewer still are the gardens that do not have room for more.

For the rock garden, shady walks and
groves, slopes, garden walls, border
edgings, crevices near falling water,
porches, and living rooms, tall, short,
evergreen, even "flowering" varieties
are to be had—each plant delightful
when prudently planted, and usually
easily propagated through cuttings. No
doubt our gardeners with advantage might
profit, as many gardeners suppose,
since they are as adaptable to sunlight
as to the different types of garden soil.

In the Shade

Of the evergreens, the best placed ferns I ever saw grew among limestone
rocks, in a bubbling spring, shaded
by a grove of spreading trees. The
plants were Christmas ferns, polished
dark green, with chaffy, yellow stalks.

But, perhaps, speaking, I should have
planted one or more of the hollyferns
in this location, too, either the moun-
tain hollyfern (Polystichum lonchitis),
whose glossy, dark green leaflets, cres-
cent-shaped, effect thorny margins, or,
better still, Braum’s hollyfern (P. braunii),
whose tapering fronds are divided twice instead of once into a
number of diminutive glossy leaves.

Or both of these, intermingled, for
variegated color, with such flowering
plants as the scillas. purple, white and
divided twice instead of once into a
number of diminutive holly ferns.

Though the ferns named grow in
striking crowds and are not rampant,
they have many similarly qualified ri-
vales among their more distant relations
—chiefly among the wood ferns. Blue-
green, with lacy fronds one, two,
or more feet long, the desirable leather
wood ferns (Dryopteris virginiana),
sometimes called the marginal shield
fern, is at its best in shady parts of
the rockery near cold, running water.

Desirable, too, are D. intermedia,
with inimitable lace, and the slow creeping
crested wood fern (D. cristata),
which though it hasn’t a thick crown to catch
the fleeting light sifting through a
leafy canopy, has the fascinating habit
which, though con-
ferns cannot be mistaken
when prudently planted, and usually
they are delightfully graceful and
fruitful, are to be had
with the garden soil.

The Grape Fern

Another companionable fern is the grape fern (Botrychium virginianum),
which is especially attractive because
it lives in the sun, and rarely, if ever,
makes more than one leaf at a time.

Then, too, its eight-inch stem spreads
into an interesting lacy triangle. The
new leaf of the grape fern appears
later than the new leaves of other
plants, in July. The grape fern must
not be confused with the rattlesnake
fern (B. virginianum), though con-
fusion is hardly possible, as virginianum
is much taller than obloumum, is not
evergreen, and bears its spores on the
end of an arched continuation of a
long, straight stalk instead of on
the end of a different stem. Because of
its extra long stalk and love of shade
it demands a swampy situation.

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We deliver new rugs a week
later. Book shows how we
reclaim and merge valuable
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60 solid color, two-tone,
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BOOK REVIEWS

News from the Book Marts—on decoration, cooking, and gardening—collected by House & Garden's staff of critics

**DECORATION**

Decoratively Speaking. By Gladys Miller. Doubleday, Doran & Co., $4.00

One of the best things about Decoratively Speaking, the new book on interior design and decoration by Gladys Miller, is the way she links up the changing tides of taste in home furnishing with the historical events which led up to and inspired them. Before each of the great periods in decoration, she traces the development of the country, spotlighting the outstanding changes and events which had a bearing on the lives of the people and consequently on the building and furnishing of their homes. This is somewhat the theory of sugar-coating the pill. Readers and students active in or given the historical pageant, with the result that the changes in furniture styles, in fact the development of the whole decorative picture, take on new meaning and romance.

This book is a complete history of interior decoration, period by period, starting with the Italian and Spanish Renaissance. It traces the development of decoration through the 17th, 18th and 19th Centuries, ending with a discussion of the Modern style. This section on the Twentieth Century, incidentally, is one of the most interesting and valuable in the book, full of information on various phases of contemporay design and ending up with practical advice on how to combine Modern with Traditional.

Each chapter is divided into three parts. The first part tells of the historical and cultural aspects of the style. The second—and this is the main meat in the book—shows the practical application to present day living. The third part presents a quick reference summary so that the reader or student is enabled to see at a glance the dates, main historical facts, important decorating details and even a résumé of the dress of the period.

This exhaustive book ends with a chapter on decorating fundamentals which is a course in interior decoration in itself. Illustrations consist of amusing line drawings showing rights and wrongs in furniture arrangement, drawings of the characteristic furniture of each decorative period and half-hint, showing typical fabrics, floor coverings and accessories of each style.

**COOK BOOKS**

The World Wide Cook Book. Pearl V. Metzelthin, New York, N. Y.: Julian Messner, Inc. The World Wide Cook Book written by Pearl V. Metzelthin with decorations by Tony Sarg, published by Julian Messner Inc., is virtually an encyclopedia of delectable things to eat, from all parts of the world. Sometimes I have to stop and think hard, what I can truthfully say I like about the cook book I am reviewing, but in this case it has been rather more a question of trying to find a single flaw in an almost too-good-to-be-true book of recipes.

The book of 525 recipes also contains a running narrative about the customs and food habits of the 76 nations therein represented. A typical, elaborate menu as well as a simpler one has been given as representative of each country along with its specific recipes. Another helpful feature is the purchasing guide, giving a list of shops where the unusual ingredients mentioned may be purchased. I haven't tried any of the recipes yet, but I can assure you I am looking forward to doing so, feeling very confident that they will prove to be as accurate as they sound. Unless I am very much mistaken, Madame Metzelthin knows her subject from A to Z.

ADVENTURES IN GOOD COOKING and THE ART OF CARVING IN THE HOME. By Duncan Hines, Bowling Green, Ky.: Adventures in Good Eating Inc.

Mr. Duncan Hines, author of Adventures in Good Eating and Lodging for a Night, written for those of us who have the time and desire to see America first if not first, has now compiled for our benefit and approval, a third little book with a very long title, namely Adventures in Good Cooking and the Art of Carving in the Home.

Most of the recipes included have been sent to Mr. Hines by enthusiastic friends, knowing his failing for "Gastronomic Formulas", as he puts it. He tells us frankly that he has not had the opportunity of testing each and every one of the given recipes, but he can vouch for many of them, from personal experience. Apparently it's up to us to try the rest of them ourselves,—so Here's to Adventures in Good Cooking, may they be pleasant ones.

GARDEN BOOKS


This attractive compilation is dedicated to the busy gardeners who take time to enjoy and dream of their gardens at night, when labor is no longer possible. The editor quotes a famous gardener who once said:

"The only time I really enjoy my garden is when I take it to bed with me to look at. All other times I am too busy in it to see it."

There's a bit of truth in that fancy that gardeners "can't

(Continued on page 78)
Syracuse China is thin, perfectly resonant ring. Both tell you that grandmother used to tell true china. Hold it to the light — see your hand through it. Tap it — hear the clear, resonant ring. Both tell you that Syracuse China is thin, perfectly shaped and thoroughly vitrified. It will not absorb. It is highly resistant to breakage. And its hard glaze is guaranteed not to craze. You can use it for every day. And its American-made maker will have matching pieces for you — even for your China Anniversary. Ask your favorite store to show you patterns. Or write for Folder HG-3.

**True China**

Test this lovely china the way your grandmother used to tell true china. Hold it to the light — see your hand through it. Tap it — hear the clear, resonant ring. Both tell you that Syracuse China is thin, perfectly shaped and thoroughly vitrified. It will not absorb. It is highly resistant to breakage. And its hard glaze is guaranteed not to craze. You can use it for every day. And its American-made maker will have matching pieces for you — even for your China Anniversary. Ask your favorite store to show you patterns. Or write for Folder HG-3.

**American-Made True China**

Test this lovely china the way your grandmother used to tell true china. Hold it to the light — see your hand through it. Tap it — hear the clear, resonant ring. Both tell you that Syracuse China is thin, perfectly shaped and thoroughly vitrified. It will not absorb. It is highly resistant to breakage. And its hard glaze is guaranteed not to craze. You can use it for every day. And its American-made maker will have matching pieces for you — even for your China Anniversary. Ask your favorite store to show you patterns. Or write for Folder HG-3.

**True China**

Test this lovely china the way your grandmother used to tell true china. Hold it to the light — see your hand through it. Tap it — hear the clear, resonant ring. Both tell you that Syracuse China is thin, perfectly shaped and thoroughly vitrified. It will not absorb. It is highly resistant to breakage. And its hard glaze is guaranteed not to craze. You can use it for every day. And its American-made maker will have matching pieces for you — even for your China Anniversary. Ask your favorite store to show you patterns. Or write for Folder HG-3.
WHAT TO PRUNE

groupings, either #1 or #2. The early blooming vines as wisteria and climbing roses should be pruned at once after blooming. If you must prune these in March, look carefully at the wisterias. You will soon learn the flower buds from the leaf buds. The flower buds are larger, fatter, and often rounder than leaf buds. In the case of wisterias, prune them throughout the Summer, as they are very aggressive and soon take over areas not allotted to them.

CLIMBING ROSES

Climbing roses should also be pruned immediately after blooming but can be trimmed in March if necessary. Cut out the oldest wood, leaving the canes formed last year. Young wood on the old branches will bloom, but the heavy, long canes made late last Summer are those which will have the largest and best roses. Tie them up neatly. Carefully arranged vine doubles its beauty.

Trumpet vines and silver lace vines are of Group No. 2 and will stand severe March pruning. Honeysuckle, also of Group No. 2, looks hopeless in March but you will find hard culling in June and July and the other in late August. If evergreens are pruned just before these seasons, the new shoots will grow out to hide the cut parts and keep the plant in good appearance.

As the pruning of fruit trees, grapes, etc., is worth an article in itself, they are not discussed here at this time.

It would be a major fault to omit a word about feeding. Just as a surgeon after completing an operation is immediately concerned with a patient's diet, we as true gardeners must look to the feeding of our pruned shrubs.

The feeding of fruit trees, grapes, etc., is worth an article in itself, they are not discussed here at this time.

As the pruning of fruit trees, grapes, etc., is worth an article in itself, they are not discussed here at this time.

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PRUNING TIME TABLE

PRUNE DORMANT
(before growth starts in Spring)

<table>
<thead>
<tr>
<th>SHRUBS</th>
<th>FLOWERING SHRUBS</th>
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</thead>
<tbody>
<tr>
<td>Azalea</td>
<td>Snowball</td>
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<tr>
<td>Beautybush</td>
<td>Spirea</td>
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<tr>
<td>Benzoin</td>
<td>Tamarisk</td>
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<tr>
<td>Blueberry</td>
<td>Viburnum</td>
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<tr>
<td>Cotoneaster</td>
<td>Witch-hazel</td>
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<tr>
<td>Daphne</td>
<td>Crabapple</td>
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<tr>
<td>Deutzia</td>
<td>Dogwood</td>
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<tr>
<td>Flowering almond</td>
<td>Flowering peach</td>
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<tr>
<td>Flowering plum</td>
<td>Goldenchran</td>
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<tr>
<td>Forsythia</td>
<td>Hawthorn</td>
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<tr>
<td>Forligerilla</td>
<td>Japanese cherries</td>
</tr>
<tr>
<td>Hydrangea</td>
<td>Magnolia</td>
</tr>
<tr>
<td>Honeysuckle (bush)</td>
<td>Oxydendron (sorrel tree)</td>
</tr>
<tr>
<td>Lilac</td>
<td>Redbud</td>
</tr>
<tr>
<td>Mockorange</td>
<td>Silverbell (tree form)</td>
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<tr>
<td>Ninebark</td>
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<tr>
<td>Pusshwillow</td>
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<tr>
<td>Rhododendron</td>
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<tr>
<td>Rose acacia</td>
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<tr>
<td>Rose species</td>
<td></td>
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<tr>
<td>Shadblow</td>
<td></td>
</tr>
<tr>
<td>Silverbell</td>
<td></td>
</tr>
</tbody>
</table>

(Continued on page 83)

The new Cabin Crafts Needlepoint are fresh, interesting, dramatic, meeting every requirement of color, type, and design. Be sure and see the exciting Cabin Crafts Romantic American and Romantic Victorian groups, including "The Hall" and other "Gone With the Wind" bedspreads, Cabin Crafts, Dalton, Ga.

HOUSE & GARDEN 65

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GARDNER, MASSACHUSETTS
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Savannah-1850

OLD COLONY Furniture creates a charming background for your entertaining. The simple, traditional beauty: the soft, mellow finish of Old Colony pieces will evoke sincere compliments and warm admiration from your guests. It's furniture you'll always enjoy and always be proud to own.

Send 10 cents to Dept. D-5, Heywood-Wakefield, Gardner, Mass., for this helpful book on Old Colony Furniture.
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Experience travelers know that on the great, modern ships of N.Y.K. you will find the tradition of friendliness and service that creates the perfect atmosphere for sea travel. Sailing "N.Y.K." is a pleasant, unusual experience you will remember long after the voyage is over. Travel by N.Y.K. is inexpensive, yet always luxurious, regardless of the class of service you select.

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Enjoy the thrills of Foreign Travel safely and inexpensively. Discover a different country . . . other customs . . . new sensations. Drift along one of the many canals through Floating Gardens . . . listen to music from Spanish guitars . . . buy an armful of gardenias for a song. Pyramids will vie with Aztec ruins and Mayan buried cities to interest you.

A non-commissioned guide invites you to live ashore and a real welcome awaits you by a most hospitable people.

Write for free, illustrated booklet

Mexican Tourist Association
Care of National Railways of Mexico
Room 2810—GG Two-O-One N. Wells Bldg.
Chicago, Ill.

SOUTH OF THE BORDER

(continued from page 50)

nervously in Mexico is made by hand—which may be one reason why visitors take such delight in studying details of furnishings about the hotel. For instance, the rugs are actually woven, woven by the Mayo Indians of southern Sonora. Many of the lamps were fashioned from copper candlesticks and brass receptacles used long ago.

When you hear about the dining room tables it sounds like a contribution which should be sent in to Mr. Ripley. They were made from the trimming of the teak of the Southern Pacific! But these tees were of ebony and each table, though fairly small, weighs about 110 pounds. They are terribly effective—especially when you see them set with the hotel's attractive pale blue Mexican glassware and dead white mats, hand-loomed in Guadalajara. This combination is especially refreshing in Mexico, where one is apt to grow tired of their frequent use of the tri-colors, crimson, emerald and white—as well as the gaudier combinations they're so fond of in the Southwest.

TROPICAL PATIOS

You're not surprised to learn that the fine Italian hand of a garden lover such as Mrs. Douglas was back in the plantings. With four patios in the hotel—and each one quite different—Mrs. Douglas had a magnificent opportunity to use many of the interesting flowers and plants of Mexico and Lower California.

The main patio, which in this pleasant climate seems to take the place of a main lounge, centers around the swimming pool, from which you have a glorious view of the bay, less than two hundred yards away. The arches of the wide two-story gallery which surrounds the pool are covered with a profusion of vines fairly bursting with blossoms (Thunbergia grandiflora) of pale blue and orchid color. At night the patio is perfumed deliciously with the scent of rosemary—known to the Mexicans as romero—nicotiana, and tuberosa.

If you like a well-run, well-appointed, smallish hotel located in a breathing setting—if you like your holiday accented with a foreign touch (yet don't want to set foot off our nice, steady western hemisphere)—if the simple outdoor life appeals to you, check out the formal sort of thing you're forced to put up with at so many resorts—then I should think Playa de Cortes would be just what the doctor ordered.
Memories of two historic plantations meet in the Winter home recently completed for Mr. and Mrs. Henry Ford at Ways, Georgia, twenty miles from Savannah.

The house (shown on page 16) is built on the banks of the Ogeechee River, on the site of the old Richmond Hill Plantation—where two avenues of antebellum live oaks cross at right angles.

On this beautiful spot, Mr. Ford's house also recalls another famous plantation. For its design was inspired by the classic lines of The Hermitage, the old McAlpin plantation on the Savannah River, considered one of the finest Regency houses in America.

This charming old place had fallen into decay and the demolition of the house was already in process to make way for an industrial plant when Mr. Ford became interested in the place. He purchased the bricks which were that soft grayish brown known as "Savannah gray". They had been made on the McAlpin plantation in kilns which also had supplied bricks for many of the famous antebellum Savannah houses.

Later these mellow old bricks went into his own house, which follows to some extent the style and spirit of The Hermitage, without actually reproducing the old mansion.

Richmond Hill is one of the four or five historic plantation sites owned by Mr. Ford in Bryan County. In some cases, once abandoned or neglected plantations have been re-established by him and put on a scientific farming basis. His work in community and social planning in this region is worthy of admiration in itself.

The Hermitage: The plantation house which inspired the style of the Ford Winter home and whose salvaged bricks were used in building it. The photograph shows it as it appeared, gaunt and deserted, near the Savannah River in the heart of the new industrial section, just before it was torn down in 1934.

This new home in Savannah, built only recently, has with slight alterations followed the lines of The Hermitage, proving the influence exerted by this fine old Regency house far beyond its own lifetime. Some of the fine stately proportions and the scale of the old structure have, of necessity, been altered...
TRAVELOG

A directory of distinguished hotels and resorts

TO PUT ON YOUR CALENDAR:

FLORIDA

Palatka
Ruskin Garden. A floral fairytale, over $250,000, host of other tropical plants. See it while in Florida.

SAVANNAH
HOTEL DESEO
Stop over in Savannah where Southern Hospitality reigns! Make your trip a success by staying at "The South's Outstanding Hotel" where friendly service is the rule of the day. All rooms have air-conditioning, outdoor swimming pool... See notice for rates. Write: W. M. Thomas, General Manager, McRae Hotel.

GEORGIA

THE BELMONT

A tranquil sea at our door... restful vistas from our beachside sun decks... and the twofold fascination of Easter arriving on the beach of Spring! Enjoy a respite from home and office (while the children are recovering from school) and enjoy the charm of this favorite seashore season. Delicious cuisine... holiday programs. Moderate rates, either plan. Write Walter J. Burton, Inc., Atlantic City.

NEW JERSEY

Atlantic City
HOTEL DENNIS

A directory of distinguished hotels and resorts

TO PUT ON YOUR CALENDAR:

These are busy days at Miami and Miami Beach. The so-called Winter meeting at Tropical Park ended on January 9th and from now until March 4th Hialeah will get the play after which Tropical Park resumes and continues without interruption until April 10th. Below are listed some of the more important Miami dates and also some events in other localities which should have an important place on your calendar.

Feb. 22nd-23th—At Tucson, Arizona. Annual Rodeo (La Fiesta de los Vaqueros)
Feb. 24th—At Hialeah Park—Flamingo Stakes, $20,000 added, mile and furlong
Feb. 29th-March 3rd—At Banff in Alberta, Canada—Dominion Ski Championship
March 1st-3rd—Pacific Coast Intercollegiate Ski Union. Yosemite, Four-event Championships
March 2nd—Also at Hialeah Park. Widener Challenge Cup, $50,000 added, mile and quarter
March 2nd—Santa Anita Handicap, Santa Anita, California. Parimutuel horse race for 3 year olds and up. $100,000 added purse
March 2nd-3rd—Keller Peak Spring Ski Races, Lake Arrowhead, California. Downhill and Slalom
March 2nd-27th Annual Biscayne Bay Regatta sponsored by the Miami Jr. Chamber of Commerce
March 3rd-6th—17th International $5,000 Four-Ball Golf Match to be held at the Biltmore Country Club, Miami.
March 8th-9th—California Division Ski Championships at Yosemite. Downhill race on Rail Creek, 2 mile racing course with vertical descent of 2,000 feet.
March 9th-10th—At Palm Springs, California. Polo, High Goal, Palm Springs Field Club.
March 10th-11th—Professional Golf Association Tournament at Thomasville, Georgia—prize money $3,000
March 13th-16th—Annual Spring Golf Tournament and Club Championship at sea Island, Georgia.
March 15th—First of the famous Santa Barbara Garden Tours. Tours each Friday up to and including May 3rd.
March 17th—Eight Annual Midwinter Sailing Regatta (Florida Sailing Association)—Miami.
March 29th-31st—Mississippi Gulf Coast Annual Pageant Week festivities. Events include tours of every description, pageants, and a coast-wide Fire Show.

DETECT DISTRICT OF COLUMBIA

Washington

The THE BELMONT

One of Washington's most distinguished hotels, strategically located on Pennsylvania Avenue at 12th Street. Rooms are unusually large and tastefully decorated. Rates commence at $1.50. Four restaurants include the smart Mall Mall room which features dancing at luncheon, the cocktail hour, dinner and supper. Continental service. Write for folder, C. C. Schifferle, Gen. Mgr.

FLORIDA

Daytona Beach

Days Inn Beach

Daytona Beach, Fla., room rates at the Hotel Days Inn, 559 South Main Street. 2,000 rooms. 2 blocks from every available resort... Beautiful beaches.

THE VENEZIAN

Closest Miami hotel to Beaches, Bay and Race Tracks. Located on Bay at Venetian Causeway. Direct route to all points of interest. Views of Bay, Ocean, City, Gulf, partake of private fishing, finishing, service, modern, first-class accommodations. Spring and Exposition Fairs, Hotel For, ocean view dining room and terrace, elevator—privately little beach. Palm garden. Eight and sunny, excellent structure. Steam heat, tiled baths, European Plan. On the Ocean at 26th St. Advance reservations advisable. For rates and booklet: Bruno Well, Gen. Mgr.

THE BELMONT


MARCH, 1940

FLORIDA

MIAMI

HOTEL DENNIS

A tranquil sea at our door... restful vistas from our beachside sun decks... and the twofold fascination of Easter arriving on the beach of Spring! Enjoy a respite from home and office (while the children are recovering from school) and enjoy the charm of this favorite seashore season. Delicious cuisine... holiday programs. Moderate rates, either plan. Write Walter J. Burton, Inc., Atlantic City.

ARIZONA

Chandler
San Marcos Hotel & Individual Bungalows. 216 acres of spacious playgrounds, 18-hole golf course, swimming pool, tennis court. Robert Frost, Manager.

Cottonwood

Spring Creek Ranch. Modern. Speed circuit at our rates. White Min., Ol and Green, Pointed Desert, Loni hunting, trout fishing, riding, hunting, high, cool.

Phoenix


Tucson


Santa Rita Hotel. Tucson's Social center. Women's hospitality & atmosphere. Excellent cuisine; Fusca dinner hours; Pool, Golf, Nick Hall, Mgr.

ARKANSAS

Hot Springs National Park

ARLINGTON HOTEL AND BATHS

One of the South's finest resort hotels: Exceptional Bath. Health facilities. Curative hot waters owned and recommended by U. S. Go's for arthritis, high blood pressure, heart ailments, etc. Gentlest climate, riding horses, forest trails, pine-laden air, gentle climate. Excellent cuisine, Social calendar. For details, rates and reservations, address W. E. Chester, President and General Manager.

CALIFORNIA

Arrowhead Springs

ARROWHEAD SPRINGS HOTEL

World's finest recreative waters in California's garden spot in the San Bernardino foothills. Altitude 2,500 ft. Combining stimulating benefits of nearby desert and mountain, atmosphere is healthily rejuvenating new hotel and bungalows. Mud baths, Steam coves. Medical department supervised. Cabanas, Golf, tennis, boating, riding, 60 minutes from Los Angeles. Write for folder.

Riverside

Riverside Inn, California's historic hotel. In lovely Arlington Park. Art treasures. All rooms American or European plan. Rates 1.25 up. Write for folder.

Santa Monica

Miramar Hotel. Mld beautiful gardens, atop the Palisades on the Pacific. Hotel room, bungalow, and apartments with hotel service. A. or B. plan.

DISTRICT OF COLUMBIA

Washington

THE VENETIAN

Closest Miami hotel to Beaches, Bay and Race Tracks. Located on Bay at Venetian Causeway. Direct route to all points of interest. Views of Bay, Ocean, City, Gulf, partake of private fishing, finishing, service, modern, top-flight equipment. Spring and Exposition Fairs, Hotel For, ocean view dining room and terrace, elevator—privately little beach. Palm garden. Eight and sunny, excellent structure. Steam heat, tiled baths, European Plan. On the Ocean at 26th St. Advance reservations advisable. For rates and booklet: Bruno Well, Gen. Mgr.

THE BELMONT

NEW YORK

New York City

Historic Richmond FoldiT Gratis. Wm. C. lloyor. Mgr.
goir courses, tennis, riding. Ilsiiing, heated indoor
ifntly refurnished, .'lO mi. to Colonial Wllllanishur.
ThrillinK fun, luxurious comfort, excellrnl table. Amer.
pool. Roland l::alon, Mg. Dh. Write fur Booklet M.

San Antonio

Wor. Coiurses Iindln Tennis, etc. Kxcellcnl Food.

Richmond

The Jefferson, Richmond's distinctive hotel, re-

SOUTH CAROLINA

Charleston

Browton Inn and Annex. A soulhcrn Inn of quiet

NORTH CAROLINA

Greensboro

Soderfield Inn. Rostil, modern, aditoia famous

PENNSYLVANIA

Philadelphia

Russell-Streat—"One of the Few World Pa-

gueme. 68 miles of ski trails, 3 Instruc-

VIRGINIA

Richmond

The Jefferson, Richmond's distinctive hotel, re-

Virginia Beach

Cassatt Hotel and Country Club. Over all year, 2
golf courses, tennis, riding, sailing, heated indoor

WASHINGTON

The Waldorf-Astoria, Park Avenue, 49th

NEW HAMPSHIRE

Hanover

Quebec—Sts. Adolphe

Quebec—Sta. Gertrude

Quebec—St. Jovite

Quebec—Ste. Marguerite Station

Quebec—Ste. Agathe Des Monts

The Alpine Inn. New main building reopened .lunii-

tors, lift, dog teams, plane. 100 naims. good cuisine.

WHERE TO EAT

A Concise Directory of

Distinguished Eating Places

GEORGIA

Waycross

Hotel Ware Coffee Shop. on U, 8, Bratt P. Re-

NEW YORK

New York City

June Cottage. 145 West 50th Street, Puppy. New-

Dining Rooms—French, American, English, Italian.

VIRGINIA

Richmond

The Jefferson, Richmond's distinctive hotel, re-

Virginia Beach

Cassatt Hotel and Country Club. Over all year, 2
golf courses, tennis, riding, sailing, heated indoor

...
SAVANNAH offers . . .
SOMETHING DIFFERENT

SAVANNAH extends to you a most cordial invitation to visit it as the City of Historical Charm and to see for yourself the scenes that are depicted in this issue of House & Garden. In Savannah you will find genuine Southern Hospitality, and the Romance and Traditions of two centuries, united with all modern conveniences. Write for illustrated Booklet "J".

SAVANNAH CHAMBER OF COMMERCE
Savannah, Georgia

SPRING TRAVEL FEVER

"See America First" will—or has it?—all too soon become a well-worn catch-phrase. But this Winter more and more of us have discovered that it is wise and pleasant advice—for within our own borders and possessions we have found myriad varieties of amusements and recreations. And in this magic circle we lead charmed lives. Secretary of State Cordell Hull was able to say, on January 9th, 1940, apropos of safety in the Americas:

"I know of no instance in the last four months in which a single American citizen traveling between ports of the American republics on vessels of any of their flags has been subjected to any delay or inconvenience because of conditions relating to the conflict in Europe."

It is a reassuring statement—and one that should greatly encourage those who look forward to March and April cruises.

PEEP AT PANAMA

Top cruise for sunlovers, we should imagine, would be the Panama Line Cruises to the Canal Zone via Haiti. Sixteen to eighteen days long (twelve at sea, four at the Canal Zone), sailings are every Thursday from New York on the new liners "Panama", "Cristobal" and "Ancon".

Cruise passengers to the "crossroads of the world", on arrival at Cristobal, make an inexpensive crossing of the Isthmus to Panama City on trains of the Panama Railroad. The trains run parallel to Canal in both directions and are equipped with observation cars, facilitating views of the great waterway from various points of interest along the route. Traveling from the Atlantic to the Pacific Ocean, visitors see Gatun Lake, the locks and dam, Pedro Miguel and other towns vitally linked with the Zone's titanic engineering achievement.

DEEP SOUTH BY LAND

If you are still wary of the sea—even our own safe Caribbean and in spite of the soothing Secretary of State—take a land cruise. Current interest in the romance of the Deep South prompts Raymond-Whitcomb to offer fourteen-day land cruises through the Southern States—on March 1st, 15th and 28th.

High points in the itinerary, timed to take in some of the South's many famous Spring festivals, are: Washington, with sight-seeing in the capital and trip to Mount Vernon, Richmond, trips to Jamestown, Williamsburg and Yorktown, with lunch at the Williamsburg Inn. Charleston—to the Magnolia, Middleton and Cypress Gardens. Sea Island, Georgia—lunch at The Cloisters. Mobile, over the Azalea Trail to the famous Bellingrath Gardens. New Orleans—the old French Quarter, the Garden District and Lake Pontchartrain. And Natchez for the Natchez Pilgrimage and the colorful tableaux of the Confederate Ball.

STEAMBOAT BILL UP TO DATE

Perhaps you're a streamlined modern, but still harbor a yearning for the slow pace of the lazy "life on the Mississippi" made famous by Mark Twain. The "Gordon C. Green", direct (but very modern) descendant of the paddlewheelers of the last century, pulled out of Cincinnati on January 28th for a 21-day cruise—down the Mississippi to New Orleans and return, via Louisville, Paducah, Memphis and Natchez.

Passengers saw at first hand the white-pillared mansions of the Lower Mississippi—their wide green lawns and Cherokee roses—"The Coast", or rice-field country from Baton Rouge to New Orleans—complete with waterlilies, mockingbirds and magnolias—and arrived in New Orleans in time for the Mardi Gras. Three thousand miles of travel, never out of sight of land—if it pleases your fancy, write American Express for the dates of subsequent cruises.
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The vitality and beauty of your trees depend largely on protection from attack by insects. Skilful spraying by Davey Experts provides this protection. And now is the time to spray, because scale insects are more readily destroyed during the dormant, or leafless, period.

Davey men are qualified by training and experience to diagnose tree ailments of every type. They use spraying compounds that comply with Government Standards. And the fleet of specially built power sprayers that Davey operates in various parts of the country is the largest and most modern of its kind.

Davey Sprayers are capable of developing pressures up to many hundred pounds per square inch, and will do effective spraying at two times the height of the average shade tree. The power and mobility of this equipment insure speed and thoroughness. That means lower cost to you.

Besides spraying, Davey Tree Service includes pruning—feeding—bracing—surgery—lightning protection—large tree moving. Inspection of your trees will be made free of charge. Write, wire, or phone your Davey man now.

**European Elm Scale** — an unusually destructive pest of elms. Be sure to spray for it now.

**Magnolia Scale** — large, about one-half inch in diameter, often serious but readily controlled.

**Torrpin Scale** — harmful to maples and sycamores. Phone your Davey man now.

**Terrapin Scale** — bar mini phone the nearest Davey branch office listed below.

**European Elm Scale** — bar mini phone the nearest Davey branch office listed below.

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DAVEY TREE EXPERT CO.

117 City Bank Building • Kent, Ohio
Sweet Peas should be planted just as early as you can break into the soil with a spade. Let the trenches for them be at least 18" deep and half as wide, and fill them with very rich soil to within 4" of the top. Then sow the seed, cover it about 2" deep, and fill in gradually to the adjacent ground level as the young plants grow and prepare to climb.

Early Spring is an auspicious time to plant practically all kinds of trees and shrubs, including broad-leaved and coniferous evergreens. More specifically, such plants may be set out anytime after the frost is over and slightly before new growth begins—often during the first 2-3 weeks of March. Be sure that the holes prepared for them are ample wide and deep to accommodate the roots without crowding or bending out of shape.

You will find it of advantage to mention House & Garden in writing to these advertisers as beneficial in the spring as the purely ornamental.
Attention, gardeners! House & Garden's first Gardening Book will be ready on or about March 1st! Containing 128 pages of expert information, over 600 illustrations—58 in full color—attractively bound in stiff buckram, this book is the complete and authoritative manual that every gardener needs in his library.

Here you'll find the how and what, the when and where and why of successful gardening—clearly outlined and explained by Richardson Wright, famous author-gardener who is editor of House & Garden. If you've never had a garden before, this book charts your course from the first plan to the final bloom. If you're already a gardener of parts, you'll find scores of new ideas for unusual plants and better cultivation.

House & Garden's Gardening Book shows you how to make the most of a small plot. It gives you suggestions for landscaping country places—for creating every type of garden. Its beautiful four-color illustrations and striking photographs, its graphic how-to drawings are unequalled in any other book at such a modest price. It includes, not only most of the articles published in House & Garden's three Gardening issues, but many pages of new garden material. Reserve your copy now!

House & Garden's Gardening Book... $2

Please send me postpaid House & Garden’s GARDENING BOOK immediately on publication. I enclose $2.

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NEW ROSE FEDERATION

BESIDES OTHER

New Horvath Roses

OF course you have heard about these truly remarkable Horvath Roses that are an entirely new strain. But you may not know why they are so outstandingly superior. In the first place, there are dooryard, hedge, and climbers. Aside from the distinctiveness of each, they are regular Vikings in sturdiness, and ability to withstand winter cold. Easy to grow, exceptionally free from mildew are these new Setigera Hybrids. All-in-all, they are the grandest, every-way satisfactory Roses yet produced.

Federation

is a brilliant, sparkling, rose-pink climber. Has semi-double blooms 4 to 6 inches across. Absolutely disease resistant, perfect foliage. Plants $1.50 each.

Thor

Giant Scarlet Climber. 3 to 4 inch flowers. Largest red climber in existence. Perfect foliage. Plants $2.50 each.

Pink Profusion


Polaris

Deliciously fragrant white climber. Flowers open slowly and last unusually long. Disease resistant. Plants $2.00 each.

Mercurius

Large cluster-flowering, apricot pink climber. Very choice. Plants $2.50 each.

There's No Better Rose Collection

Offered in all America

Don’t think for a minute that all the Roses in our new catalog are high priced. Just naturally these new Roses do cost more. But there’s many a fine worthy Rose you’ll find in the catalog that is modest in cost.

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Wayside Gardens

AMERICAN AGENTS FOR

Sutton’s Seeds

30 Mentor Avenue

Mentor, Ohio

SEASIDE GARDENS

(CONTINUED FROM PAGE 47)

been dug up from salt water bays and inlets. The New York and San Francisco Fairs both had excellent plantings made on soil of this type. There is nothing unusual about it. Such soil can be thoroughly leached and chemically treated so that it does make a good medium in which to grow plants. In some cases plants weather salt water drenching surprisingly well as did the rugosa rose (Rosa rugosa), which was under about twelve feet of salt water in one place for three hours. Privet plants growing beside the roses were killed but in May the roses were blooming and already had produced a normal amount of foliage.

Japanese yew, Hydrangea korensis, Rosa wichuriana, Althausia glandula

la, Myrica carolinensis, Sambucus canadensis, Lonicera japonica, and Vi

burnum dentatum were all submerged for varying lengths of time at different places but nevertheless produced a normal growth of leaves in the Spring. All these plants can be considered as typical seashore plants.

Unfortunately the most objectionable weeds frequently surprise us by their flourishing growth under adverse conditions and such is the case with Poison Ivy. I have seen thousands of plants, some of which were under salt water for days, and every plant was growing vigorously this Spring! If someone could only take the poison out of this vigorous plant, what a splendid seashore vine it would make, with its shiny leaves, vivid Autumn color and gray fruits. Nature herself plants it everywhere along the coast where it is frequently covered with salt spray.

Naturally, trees are the first plants one desires in any seaside garden. They are in great demand because they are the best plants for making the essential windbreaks. Evergreens are naturally the most desirable. Of these, the least susceptible to injury from salt spray is the Japanese black pine (Pinus thunbergi) which is used considerably on Nantucket Island and south along the coast through New Jersey. On the New England coast the Austrian pine (P. nigra) and the compton pitch pine (P. rigida) flourish in the rigorous climate. The White pine, Scotch pine, (Continued on page 75)
SEASIDE GARDENS

CONTINUED FROM PAGE 74

red pine and bank pine have all been used, but have not proved as satisfac-
tory, for they are considerably more sus-ceptible to salt spray injury. The
cluster pine (P. pinaster) and the Monterey pine (P. radiata) are fre-
quently used further south where they are.

Of the spruces, the blue spruce (Picea pungens), Norway spruce (P. excelsa) and the Engelmann spruce (P. engelmannii) will grow, but will not
withstand as harsh treatment as the pines noted in Newport, Rhode
Island, particularly, that wherever Ori-
ental spruce (P. orientalis) was planted
and exposed to the winds and salt spray of the hurricane, it survived surpris-
ingly well and so I believe it to be an excellent plant for further trial.

Red cedar has long been used in
seaside planting and it grows fairly well
from Newport, South, is another plant which stood
the hurricane very well, and although it
did suffer in certain locations (any
tree would under some of the conditions
present during that storm!), it can be
considered as a possibility for spec-
imen planting in the seaside garden.
In this same class would be the atlas
cedar (Cedrus atlantica) and the de-
odar cedar (Cedrus deodara) which
are used in the gardens of warmer re-
gions on both shores of our continent.

Evergreens which should not be used
under trying conditions are the cham-
acyparis, ashes and most of the ar-
horizanes. It is difficult to refrain from
using these all-purpose plants when so
few evergreens are available but they
do not take kindly to salt spray.

The Monterey cypress (Cupressus
macrocarpa) is a magnificent evergreen
for use in the warmer parts of the country.
This tree has been a favorite
for seaside planting in California where
everyone is familiar with the picturesque old trees which have been grow-
ing on the coast for centuries.

Fortunately there is a wider variety of deciduous trees from which to select.
Two of the best which have withstood salt spray injury exceedingly well are the
little leaf European linden (Tilia cordata) and the sycamore maple
(Acer pseudoplatanus). I have seen the former growing vigorously
when planted only twenty feet from the high
tide water mark. Both are good foliage
trees, particularly the linden, with its
delicate creamy and pyramidal habit of
growth. Both the native and Euro-
pean species of the hornbeam (Carpin-
us) are satisfactorily resistant to
attacks from the sea and these, together
with some of the hawthorns are ex-
ceptionally well adapted for clipped
hedges or high clipped windbreaks.

The rapid-growing white poplar may
be used where it does not become a
pest and both the white willow and
laurel willow (Salix alba and S.
pendula) are frequently planted
where there is no danger from high
winds, since the wood is very brittle.

The Japanese maples from the Orient
done well when subjected to con-
ditions near the salt water and can be
highly recommended as a specimen in

any seaside garden. The European
mountain-ash (Sorbus aucuparia) is
another deciduous tree that is adapt-
able for specimen planting but not for
windbreaks. It is commonly admired
for its Summer flowers and clusters of
bright orange-colored fruits, but it
should always be remembered that this
tree is unusually susceptible to borers
and should be under constant sur-
veillance for this pernicious pest.

The American elm and the Schwed-
ler's maple (as well as the Norway
maple) have withstood the ordeal of
being partially submerged in salt water.
Although this does not happen fre-
quently it is an indication of seawhore
hardiness. The sturdy tree-of-heaven
(Ailanthus glandovus) will apparently
grow anywhere and actually likes ad-
verse conditions. Several of the oaks
do well. The blackjack oak (Quercus
marilandica) is outstanding, being a
natural habitant of sandy stretches
along a greater part of the eastern
seacoast. Unfortunately it is one of the
most difficult trees to transplant.
The white oak, red oak, scarlet oak,
black oak and willow oak are all amen-
able to seawhore planting. On the other
hand, larches, beeches, tulip trees,
sweet gums, and the birches all suffered
considerably from salt water injury
during the hurricane, and for this rea-
son they should not be used only in very
protected places—if at all.

SHRUBS

When once the trees are maintained, and a windbreaker is established, there
are literally hundreds of shrubs which

are hardy from Newport, Rhode
Island, particularly, that wherever Ori-
pines. I have noted in Newport, Rhode

island. This tree has been a favorite
for use in the warmer parts of the
eastern seaboard. Unfortunately it is
one of the most difficult trees to transplanted. The white oak, red oak, scarlet oak,
black oak and willow oak are all amen-
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sweet gums, and the birches all suffered
considerably from salt water injury
during the hurricane, and for this rea-
son they should not be used only in very
protected places—if at all.

SHRUBS

When once the trees are maintained, and a windbreaker is established, there
are literally hundreds of shrubs which
can be grown by the sea. It is even
possible to grow some of the most
tender flowering shrubs in the lee of
a satisfactory windbreak. However,
such ideal conditions are frequently
lacking and plants must be selected
which, if subjected to salt spray or high
winds, will come through satisfac-
tory. There are at least three plants in
this large group which might be consid-
ered as outstanding in this re-
spect. The rugosa rose, a native of
Japan, is one. It often grows with its
croots in salt water, and has become so
acclimated to conditions in this country
that in several places along the sea-
coast it has escaped cultivation and
has become naturalized within reach of
almost continual salt spray.

Another hardy example is the beach
plant (Praunus maritima) which is
common along the shore from Maine
to Virginia. Its fruit is large and makes
excellent preserves. Several organiza-
tions have recently undertaken to select
larger fruiting plants for the purpose
of semi-commercial propagation and large-

scale planting. The third is the ground-

willow (Baccharis halimifolia) which
grows in salt water marshes along the
coast from Georgia to Massachusetts.
It grows about four feet tall and can
be used in clumps or in low hedges.
The sexes of this plant are separate, the
flowers comparatively insignificant,
but the fruits are beautiful white fluffy
clusters in the Fall. Since the sexes are
separate, both should be present to
insure fruiting.

(Continued on page 77)
Mrs. King has been a pioneer, too, in the great Garden Club Movement, which has had a Jack's beanstalk growth in the last two decades. I live in a small village in central New York. It has its own busy little garden club, and within a ten-mile radius there are eleven more. Multiply these conditions all over the country, and then realize that thirty-five years ago there were practically none! Even as late as 1915, Mrs. King, writing of these clubs, added with pride, "The whole number known to me is forty-nine!"

Garden Clubs are now to be reckoned in the thousands; there are three thousand in the National Council, with more than two hundred thousand members, and no one can say how many more little clubs outside.

For years Mrs. King was president of one of the earliest clubs, that of Michigan. She helped form the great Garden Club of America, now seventy-five hundred strong, and served long as one of its vice-presidents. Many clubs claim her as an honorary member. I don't suppose anyone else has known so many of them at first-hand.

She has another great field of influence. Her Alma garden lay on the edge of farm country, and that farm country she has never forgotten. Women, she came to feel, needed more work on the land. When in 1912 the Woman's National Farm and Garden Association was founded, she was asked to be its first president. Its name was ponderous, but its object simple: to hand together women in outdoor work; its crest, "the sign of the spade and distaff".

The War came. Suddenly the land needed women quite as much as women needed the land. Their Association was ready; how the women went to work is history. Agriculture became a recognized vocation for them. One girl at twenty-four was manager of Overman's Nursery at Spokane, Washington, and president of the Pacific Nurseryman's Association. The Woman's National Farm and Garden Association now has about four thousand members and is connected with the Associated Country-women of the World, in thirty other countries. For more than 20 years Mrs. King has been its Honorary President.

Close to her place in South Hartford, New York, the Washington County Branch holds its annual plowing contest, attended from far and near, by great and small, Mr. Owen Young and Mr. and Mrs. Henry Ford being among those present last Summer. It was followed by a creamed chicken dinner, a speech by Mrs. King, and a flower show with a sales table announcing, besides other beguiling offerings, "bulbs, embroderies, and fresh-dressed chickens".

An altogether delightful experience for those who were there, filled with an unexpected and unforgettable beauty.

A SECOND START

To go back to the personal part of Mrs. King's story. Left a widow, she continued her successful and devoted work in the garden at Alma. But the hard days came for America, and struck her too. She knew that she must leave that beloved place. In the diary of her garden Mrs. King wrote: "Soon to see it in other hands is a martyrdom... The hope is that somewhere, somehow, another garden waits to be created and adored as this has been." Those words are from her most recent and to me her most lovely book, From a New Garden. For the new garden waiting there has been created and is being adored.

The story of finding her new home is characteristic of her. It was the eve of an election. Would she speak for her candidate at Schenectady, New York? "Certainly," was her reply. "With the astonishing result that I found my house in the country." She learned of it from an accidental friendly encounter with two women on the train, who chatted to her of a region she had never known. Did they know of any house free there? They knew of this one, and she went to see it. "So small and yet so stately," "lived in for a hundred years by fine people," "saturated with sedate kindness." Words almost failed.
SEASIDE GARDENS

(continued from page 75)

Another very beautiful shrub in the fall which grows well near salt water is the sea-buckthorn (Hippophae rhamnoides), a native of Europe but grown in this country for its bright orange fruits which are highly ornamental. It has stout thorns and the sexes are separate. If it is grown as a specimen or as a hedge it adds character to any garden.

The native bayberry (Myrica caroliniana) is a sturdy beach-growing shrub commonly used in inland gardens for its gray-colored fruits and its splendid dark green aromatic foliage (the sexes are separate and both should be grown for fruiting). Under satisfactory conditions, it becomes a vigorous grower and readily reseeds itself to such an extent that it may soon grow out of its bounds. Since it is prevalent at the shore and withstands the tough growing conditions there so well, it would be advisable to include it in every seaside garden where poor soil prevails.

The brooms (Cytisus) actually require the dry, warm, sandy soil near the sea, and their diverse colors offer many a pleasing combination. The native summersweet (Clethra alnifolia) is particularly ornamental in the Summer when its upright spikes of fragrant white flowers make it prominent. It is another of those plants, along with the bayberry, which really thrive in the seaside garden. The native meadow rose (Rosa blanda) is frequently found growing among the rocks on the shore together with the bayberry and poison ivy. Several of the sumacs, those tall shrubs which are gloriously colored with red in the fall, are also excellent. The staghorn and tin-smooth sumacs of course are good, but the shining sumac is even more desirable because of its glossy deep green leaves all through the Summer.

The graceful tamarisks, of which there are several, the sweet fern, several of the blueberries, the irresistible Japanese barberry and a little further south the goose (Ulex europaeus) all can be used. Evergreen shrubs would include the shore juniper (Juniperus conferta), the red cedar and creeping juniper (J. horizontalis), Japanese yew and the inkberry (Ilex glabra).

Vines and ground covers are frequently essential in most gardens and the seaside garden is no exception. The bearberry (Arctostaphylos uva-ursi) is unquestionably the best ground cover for it grows naturally on sterile sandy banks where nothing else will do well. Strangely enough it is seldom that it can be coaxed to grow in a rich garden soil where other plants thrive! Some of the grapes are reasonably good for trial, but Virginia creeper, Hall's honeysuckle, sweet Autumn clematis, dutchman's pipe and wisteria are always dependable.

Gardening by the sea is not an impossible task. Forcing a man-made garden from nature under the trying conditions of the seashore is a challenge to any gardener, and he who succeeds by studying plants and their habits and applying the knowledge will find ample pleasure and satisfaction for his labors.

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Some of these are in the main display; others in the superb exhibits of the Garden Club of America, Federated Garden Clubs of New York State, Garden Club of New Jersey and other groups.
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DEAN OF AMERICAN HOME GARDENING

(Continued from page 76)

her; the house seemed to say, "Come in—I am for you". So she settled herself at Kingstree, with her two "workers and sympathizers", the Nettys and William her readers have learned to know.

With a little mountain all to itself as backdrop, the new garden already looks old, with such taste and knowledge it is planned. Sitting in a chair in a corner out-of-doors, she thinks. Plans grow out of that. She makes a series of places for living in, little rooms almost, for a hospitality beyond the house.

The new grape arbor has been copied from one of a beautiful old design at the Mission House in Stockbridge, Massachusetts. When a cruel Winter killed the grapes to the ground, the following Summer found it hung with gourd vines, and beneath their green and gold fruits grew lavender asters, violas, verbenas. Even the elements can't vanquish this woman.

She has been loaded with honors. In 1921, from the Massachusetts Horticultural Society, the George Robert White Medal, which is awarded over the world and is the highest gardening distinction in America, then for the first time given to a woman. Two years later from the Garden Club of America their Medal of Honor. More recently from the National Home Planting Bureau its Distinguished Service Award. And she is vice-president of the Garden Club of London.

I like to think that this gentle and generous helper towards beautiful living has probably had a wider influence than any other woman in America today. I like to think, too, that she herself is the last person to whom such an idea would occur.

BOOK REVIEWS

(Continued from page 63)

For plants, shrubs, trees and seedlings. Contains not only the much-discussed Vitamin B-1 but the most effective root-forming hormone and other active vitamin chemicals, properly formulated for the widest possible range of garden conditions. This soluble powder is applied in water solution to the soil about the roots of the plant, either as a weekly watering or in stronger form when transplanting. This effects increased root growth, vitalizes the plant generally and makes for stronger growth, greater hardiness, and fuller flowering.

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Horticultural Division G-5

Ambler Pennsylvania

With short shrill and little keening. The compiler's selection for the opening page "Sleep" by Hilda M. Slade and his closing stanza from W. E. Henley are good enough, however, to prove there are exceptions to every rule.

My Garden's Good Night is a handy little volume to slip in the pocket while traveling or to be held in the hand of one who is wooling slumber. It is slight, perhaps, but charming, both in its short form and his closing stanza from W. E. Henley are good enough, however, to prove there are exceptions to every rule.

CAROLINA GARDENS by E. T. H. Shaffer. Illustrated. 325 pages. The University of North Carolina Press. $5.50

The present printing of Carolina Gardens is designated as the Garden Club Edition. It follows the previous Subscribers' Edition and contains additional material and is offered in a new format, though the price has been re-

WOHLERT'S NURSERY

Narberth, Pennsylvania

Wisteria flower clusters 4 feet long as grown in Philadelphia
Ferns for the Garden

(Continued from Page 62)

ners of a formal garden. It is one of the few evergreen ferns which do not creep or send out underground runners. The palm-like ostrich fern (Pteris nodulosa) lean even more towards the formal side. Its heavy fronds, which sometimes reach six feet, taper in both directions, and gracefully curve back from a common center. The root-stock is erect, but underground runners thrust up new colonies which have to be watched for. If you are interested in collecting spores, do not look for them until July, when they swell on the end of special plumes which uncurl in the middle of the ripe foliage. The formality of the male fern and the ostrich fern need not be stressed, for both become willing members of the democratic rock gardens so much in favor today.

The flowering ferns, ostrundas, are quite as tall as the male fern and the ostrich fern. The most haughty is the royal fern (Osmunda regalis), which frequently reaches six feet. Its delicate pink croatiers of the warm spring push up and unfold into light green fronds, whose fertile leaves bear golden-brown spore cases resembling loosely branched flower clusters. The royal fern de­ sires sunlight and acid soil, and grows in water if the water is quite shallow. The cinnamon fern (Osmunda cinnamomea), prefers sunlight, but does not discriminate between soils, and the inter­ rupted fern (Osmunda clypeatiana) discriminate neither between sun nor soil. Because of their radiant crowns and colorful spore cases, ostrundas will make welcome additions to the garden.

Deciduous Types

There are many other deciduous Ferns for the garden worth mentioning. The following are a few. For damp, sandy soil in half shade, there is the Virginia chainfern (Woodwardia virginiana), and, for almost any location, the lady fern (Athyrium filix-femina), which is indispensable for solid plantings, as well as for making delicate fringes about three feet high along secluded pathways. The goldie fern (Dryopteris goldiana), a foot taller than the lady fern, is a good subject for massing behind colorful borders. Purple cliff brake (Pellaea aro-
purpurea), in the rock garden, will add a glint of purple as it creeps among the rocks in both sun and shade. The American maidenhair (Adiantum pedatum), a woody plant preferring dim shade, is worth planting in any number of places, including the conserva­tory. Its slender black stalks divide into a number of drooping leaflets, confetti-like in structure.

Worth planting, too, are the oakfern (Dryopteris linnensa), a small, tri­ angular-leaved woodfern, which revels happily in damp, shady locations, and rustic woodsia (Woodsiia Illinoisis), a plant, with fronds from six inches to twelve inches long, which grows well in exposed places. The older fronds of the latter obtain a striking orange hue, as a reflection of the rusty wool under the leaves.

The sweetfern (Comptonia asplenifolia), hardly when once established in not too heavy soil, is best suited for ground cover, clothing an unsightly rocky slope with green. The brittle fern (Cystopteris fragilis) also spreads easily, but it must not be planted in either too deep shade or too much sunlight. The brittle fern is sensitive to moisture, though, and requires frequent sprin­ kling, else it shrivels and dies. One of its relations, the berry bladder fern (Cystopteris bulbifera) is especially interesting because of a fascinating manner of propagation. Fastened under its trailing leaves are small, green balls, which root and send up new plants when they fall on fertile ground.

Care of Ferns

To some gardeners, the most attractive thing about raising ferns is that, as a group, cultivated ferns do not re­ quire elaborate care; and, as a matter of fact, the only care which they re­ quire is, usually, an occasional spray­ ing of the leaves, an infrequent cutting of the leaves, an occasional cutting off and burning of yellowed fronds, and, from time to lime, a thorough watering to ward off red spider and gnats, which delight in inhabiting dried leaves. The genuine gardener, however, will not need these trifling inducements to become a keen and ardent fern col­ lector.

O. H. Steere

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Furniture and Decoration

CARPET MAGIC, by Clara Dudley, tells why to choose wall-to-wall carpet, and which broadloom rugs. It gives you 12 complete room schemes, in full color, in which a decorator selects not only the rugs, but harmonizing draperies, furniture fabrics and wallpaper. ALEXANDER SMITH & SONS CARPET CO., DEPT. HG-3A, 295 Fifth Ave., N. Y. C.

SETH THOMAS CLOCKS presents the latest models of this famous clockmaker, in celebration of the company's 125th anniversary. The fifteen models shown include self-starting electric clocks' bell and other chiming clocks—traditional and modern designs for the entire home. SETH THOMAS CLOCKS, DEPT. HG-3, THOMASTON, CONN.

THE ROMANCE of Modern Decoration is a complete and delightful primer on one phase of interior decoration. It will help you to diagnose your house, to cater to the physical features of each room, select color and pattern and choose the right motif for period effects. Send 10c. Address JEAN McLAIN, DEPT. K-18, IMPERIAL PAPER & COLOR CORP., GLENS FALLS, N. Y.

STREAMLINE MODERN shows page after page of smart groupings of charming living, dining and bedroom furniture, whose tailored simplicity and new design concepts or Early American Patterns. Write for booklet.
FURNITURE and the Connoisseur is a brief exposition of the things a collector looks for. An auction catalogue. The booklets show authentic Chippendale, Hepplewhite and Sheraton reproductions by Baker, whose lustrous patine is the result of skillful finishing. Baker Furniture, Inc., Dept. HG-3, Grand Rapids, Michigan.

THE WAY TO GRACIOUS LIVING suggests dozens of good decorative ideas, in this attractive room setting, through the use of old furniture, all in full color. It includes both rooms and furniture, with full and varied settings, in 18th Century English and French, Victorian and other period furniture, and devotes a chapter to the subject of period "Painting." Send 25c, Texas Hardware Co., 19th Point, Dept. HG-3, High Point, N. C.

COLOR CLUES TO HOME BEAUTY tells the story of color-coordination. Ten basic shades which will harmonize with popular styles and colors in other home furnishings have been used in making rugs and carpets. There are patterns to go with Early American, Traditional, or Modern rooms, Bigelow Weavers, Dept. HG-3, 140 Madison Avenue, N. Y.

YOUR WINDOWS—HOW TO CURTAIN THEM illustrates how you can set off your windows most beautifully with the latest in curtain fabrics. Materials (there are some bedding sheets too) are made to develop long wearing Beauty. Quaker Lace Co., Dept. HG-3, 335 Fifth Avenue, N. Y. C.

JEWELS of Victorian Furniture brings back the graceful curves and fine workmanship of grandmother's prized pieces, in reproductions of chairs and sofas, tables and accessories copied from old ones found in Fredericksburg, Virginia, and other parts of the South. Send 10c, Creek Lvy Bros., Inc., Dept. HG-3, 300 Hall Street, S. W., Grand Rapids, Mich.

Gardening

WAYSIDE GARDENS' CATALOG FOR 1940 is outstanding for its brilliant illustrations and beauty. Over 300, 350 of them in full color, describe new things in bedding plants, shrubs, vines and flowers. Besides vastly improved old standbys, there are 50 brand new items. The Horticultural roses are not to be missed. Send 5c in stamps or they will express it to you. Wayside Gardens, 30 Mentor Ave., Mentor, Ohio.

WISS GARDEN TOOLS is a guide for the amateur and an index for the professional. It covers this share a question from "Flower-Holder Shears" to "Hy-Power Primers" and the latest in hedge trimmers and grass shears! The chart, "When to Prune," will prove helpful. J. Wiss & Sons, Dept. HG-3, Newark, New Jersey.

BOOKLETS

SAPPERS & ARMOYRS 50TH ANNIVERSARY SPECIAL OFFER

BLOOMING SIZE BULBS (10) 50c

For 1940 features the new Marigolds, Petunias and Sweet Peas for which Burpee's own research is so largely responsible, novelties for 1939, and a complete listing of Flowers and Vegetables. W. Atlee Burpee, 488 Burpee Bldg., Philadelphia, Pa.

FLOWERING TREES of the Orient is an authentic history and description of the Japanese Roseflowering and Weeping Cherry, Flowering Crabapple, Japanese Magnolia, and other exotic decorative trees; price 20c. "Oriental Vista for the American Garden";


BURPEE'S SEEDS for 1940 features the new Marigolds, Petunias and Sweet Peas for which Burpee's own research is so largely responsible, novelties for 1939, and a complete listing of Flowers and Vegetables. W. Atlee Burpee, 488 Burpee Bldg., Philadelphia, Pa.

DREER'S GARDEN BOOK for 1940 includes specialties, novelties and old standbys, in a comprehensive catalog that covers Flowers and Vegetables, a complete catalog of ornamental and fueling cultural notes by a seed house over a century old. H. A. Dreer, 129 Devon Blvd., Philadelphia, Pa.

(Continued on page 82)

KEM produces perfect lawns because it is a perfect food for grass. It supplies, in proper proportion, every mineral required to promote rapid, sturdy, healthy growth. No matter how poor your soil, Kem will cover it completely with thick, green grass—vigorously that it will generally crowd out weeds. Kem is clean, harmless, odorless, and very economical. DILUTE with tap water and it is ready for instant use. A single gallon makes 60 gallons, or more, of solution—enough for 2,000 sq. ft. of lawn.

Read what these typical users say!

An amateur writes: "Our new lawn practically jumped up in response to a couple of Kem applications. Kem surely takes the hazard out of gardening, especially for those not tutored in soil feeding."

A professional landscape engineer states: "Kem produces an unbelievable growth of grass. Hard, sour ground, flourished up, mixed with sand, treated with 3 applications of Kem, and seeded has produced the most beautiful turfed lawn I have ever made—and I have made thousands of lawns. All kinds of lawn seed and fertilizer were previously used on this plot, all resulting in thin turf, bare spots."

KEM grows plants in soil, sand or water

Not a fertilizer, but a complete, concentrated plant food, Kem also contains the element which enables plants to manufacture vitamin B 8 as needed. It enables you to grow any kind of plant in the new scientific way. Results are immediate, amazing. A single trial will convince you, make you, too, an enthusiastic advocate of Kem gardening. Complete instruction booklet free with each purchase.
PRUNING TIME TABLE
(CONTINUED FROM PAGE 65)

PRUNE DURING GROWING SEASON
(as flowers fall)

SHRUBS
Witch-hazel (Fall bloomers)
Winterberry
Amorpha
Barberry
Beauty berry
Buddleia
Coralberry
Crape myrtle
Hibiscus
Holly (all varieties)
Hydrangeas
Hypericum
Jersead
Ligustrum
Mint shrub
Pyracantha
Rose of Sharon
Snowberry
Sorbaria
Tamarix
Vetex (chaste bush)

FLOWERING TREES

VINES

SUMMER PRUNING
Rank vines and smaller shrubs are enhanced by occasional thinning during Summer.
Cut flowers freely—especially the roses.
Cut flowers with long stems where possible.

PRUNING ROSES*

UNCOVER LAST HALF OF MARCH
Hybrid perpetuals—prune to 6 to 10 eyes.
Remove thin wood.
Rugosa varieties—prune severely.
Remove heavy wood.
Provence roses—prune lightly—shape plant.
Most species—prune lightly—shape plant.

UNCOVER EARLY APRIL
Hybrid teas—thin to 3-4 strong canes.
Leave 3-8 eyes.
The fewer number of canes and eyes for exhibition bloom.
The larger number of canes and eyes for garden display.
Polyanthis—thin only and shape plant.
Briars—thin only and shape plant.

* Planned for latitude of New York City. Philadelphia and farther south, 2 weeks or more earlier. Boston, 1 to 2 weeks later.

The GRAVELY POWER-DRIVEN TRACTOR-MOWER

1 Mows Your Lawn
2 Cuts Tall Weeds & Grass
3 Tends Your Garden

Country Home owners immediately recognize the distinct advantage of the GRAVELY . . .
ONE Machine that ALONE solves EVERY major upkeep problem.

You buy ONE sturdy S.E.P. Tractor . . . THEN change Power Attachments according to the job.

GRAVELY one Man Does EVERYING . . .
Lawn Mowing . . . Rough Sickle Cutting . . .
Preparing the Garden and Cultivating it . . .
Removing Snow . . .

Learn more about a machine that for 18 years has been making country homes truly "Homes in the Country."

GRAVELY MFG. CO.

"Do It All With A GRAVELY TRACTOR-MOWER"

Lawn Mowing ... Rough Sickle Cutting ...
Preparing the Garden and Cultivating it ...
Power Spraying ... Old Jobs of Hauling ...
Removing Snow ...
BOOK REVIEWS

CONTINUED FROM PAGE 78

Mr. Patterson's book, subtitled "How to Make, Maintain, and Find Satisfaction in Intimate Flower Gardens," was produced below that of the original issue.

Though a sectional book, appealing especially to those Carolinians who know the famed gardens pictured and described in its pages, Carolina Gardens has a much wider appeal than this. The Carolinians have so rich and mellow a garden tradition that all who wish flower lovers will want to familiarize themselves with it; or to renew happy memories of visits to this land of heart's desire.

Mr. Shaffer not only describes existing gardens, but tells their history and creates for the reader the romantic atmosphere in which they were conceived and brought into being. The stories of many vanished Colonial gardens are told also: Skiwealth, Tranquil Hill, Crowfield, etc. Magnolia and Middleton Place are two of these famous Colonial beauty spots which have happily survived.

The material is treated geographically: the gardens of the coast, the Pine Land and Sandhill, those of the Piedmont and the Alpine gardens.

In describing the rice, indigo and cotton traditions, with notes of the wealth sprang which made these unique gardens possible, Mr. Shaffer gives the reader the background of a culture in which so young a country as ours may well be proud.

The English and French Huguenot settlers brought a tradition of beauty and graciousness with them from abroad and were able to create in their new home, with its warm and amiable climate, country places which rivalled their colorful prototypes.

The many fine photographic illustrations give glimpses of old trees, long sunny vistas, masses of magnolia bloom and the beautiful historic homes (similar to those shown in recent issues of HOUSE & GARDEN) for which the Carolinians are famous.

Carolina Gardens is a valuable contribution to the published histories of gardening. It is a book to be read not only for pleasure but also one to be referred to.

BE YOUR OWN GARDENER, by Sterling Patterson. Illustrated. Harper & Brothers, N. Y. C.

A New Kind of GIANT ZINNIAS

Immense Blooms, Pastel Art Shades

Burpee's Seeds Grow

Burpee's Complete Zinnia Garden

All colors, all kinds, all sizes, 6 best colors each, of Giant Dahlia-Flowered, Dwarf Dahlia-Flowered, and Double Dahlia-Flowered kinds; popular shades of single, semidouble and double varieties; Eartly Sorts, and David Burpee Zinnias. 8 packets in one, for $1.00; 4 packets for 50c; 2 packets for 25c; purchase for $1.

Burpee's Seeds Grow

W. Atlee Burpee Co., 486 Burpee Bldg., Philadelphia

"David Burpee" A New Kind of GIANT ZINNIAS

The volume is illustrated with photographs and there are a number of helpful charts and tables for ready reference.
I thought they had come into a fortune...when I came into their house!

"What's happened here?" I asked. "Have you people come into money or something? Your whole house is done over...and it's simply gorgeous! I never knew anything to look so nice!"

"We haven't changed anything but the wallpaper," said Elsie. "You see, we've just discovered Imperial Washable Wallpapers are not expensive!"

"We haven't changed anything in the wallpaper," said Elsie. "You see, we've just discovered Imperial Washable Wallpapers are not expensive!"

"Not only that," said Elsie, "but we'll save money in the long run, too, because they stay beautiful...they're guaranteed washable and fast to light, you know!"

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It certainly gave me an idea. I got so intrigued I hardly finished my tea...and rushed right off to call the paperhanger. If Imperial made all that difference in Elsie's house, why shouldn't I try it, too?

I gasped. "You mean these beautiful wallpapers are not expensive?"

"Not only that," said Elsie, "but we'll save money in the long run, too, because they stay beautiful...they're guaranteed washable and fast to light, you know!"

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Acknowledged Leader in Style, Color Harmony, and Guaranteed Washability!

These wonderful papers, famous for soft water-color tones and exquisite designs, are actually an economy, because their beauty lasts. Imperial papers are guaranteed washable and fast to light! And you'll find hundreds of the loveliest patterns are truly inexpensive!

For that Important 2½
The beauty of your home depends on fine wall decoration...and your house is wall space! So ask your decorator or paperhanger for Imperial Washable Wallpapers. They are always identified in sample books by the famous silver label, your guarantee of quality!
A backdrop of mountains dipped in purple at sunset. . . . The stage, an ancient pueblo huddled on sagebrush and sand. . . . You on the desert floor, the audience, silent before this vast and extravagant beauty.

Yet, in the midst of the old, the new is wholly at home. The Lincoln-Zephyr is no stranger in these parts for it was purchased by more people in Western and Southwestern States last year than any other medium-price car. As you face the Western roads and distances, you quickly appreciate why.

There is increased power in the twelve-cylinder engine, only one in the medium-price field, to meet the trail as it comes. There is greater security in the unique unit-body-and-frame, in closed types. There is leisurely comfort for the long trip in chair-high seats, gliding ride, and balanced weight of passenger and car.

And always, there is the sense of power that comes as you drive. Ask what you will, the Lincoln-Zephyr responds. The Finger-Tip Gearshift on the steering column moves lightly and easily. Hydraulic brakes answer promptly. Panorama Windsiiield and windows command wider stretches of scenery.

Today’s car, the Lincoln-Zephyr is advanced in all its features. Style leadership is admitted. At medium price, this “12” offers you a value not to be matched in its field. Lincoln Motor Company, Division of Ford Motor Company.

LINCOLN ZEPHYR V-12
"Singing at the sink" has become a new happy habit in thousands of homes now-a-days. No more grumbling, for the G-E Electric Sink has banished the hateful tasks of washing the dishes and disposing of garbage by hand. It does both jobs better, and in much less time, for only a few pennies a day.

Replace your old-fashioned sink with a modern G-E Electric Sink. Combined in this beautiful unit are the popular G-E Dishwasher and the G-E Disposall—twotime-tested appliances that have won universal approval.

"Imagine! Dinner dishes for six all washed and dried in ten minutes—glasses, silverware, everything!

Yes and you'll find each piece so sparkingly clean it fairly glistens—pots and pans, too!"

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"It's easy to stay young electrically!"
NOW! THERE'S A Better Way to Build—Save Money Too!

Advanced Building Method Assures VITAL SIDEWALL INSULATION as Well as Roof or Ceiling Protection WITHOUT COSTLY EXTRAS!

WHEN you make the most important investment of your lifetime—when you build your "dream house"—make sure that it won't be obsolete the day it's completed. Don't be content with partial insulation when you can own a completely insulated home at little or no added cost.

With the advanced principles of Celotex Safety Sealed Construction you get the plus comforts and the plus fuel savings of weatherproof, vapor sealed sidewall insulation in addition to insulation protection of ceiling or roof. And you get this vital safeguard to the value of your home without the cost of high priced "extras." You simply use modern, double-duty materials to replace materials you would have to buy anyway!

In Celotex Safety Sealed Construction, Celotex Vapor-seal Sheathing replaces the conventional types, and Celotex Vapor-seal Lath replaces ordinary plaster base. Thus the roof or ceiling is sealed and insulated, and the sidewalls—the biggest heat loss area in a home—are sealed and insulated against heat and cold and vapor condensation! And Celotex Insulation is guaranteed in writing for the life of the building!

So before you build, see your Celotex Dealer. In a few moments time he can explain the sound advantages of Celotex Safety Sealed Construction—the better way to build. He'll show you how to build a better home at lowest cost. He'll give you a copy of the new book "Build Better for Less Money with Celotex." This book will help you avoid mistakes that can result in an obsolete house. See him today, Or send the coupon. The Celotex Corporation, 919 North Michigan Avenue, Chicago, Illinois.
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An Aristocratic Home in the

Best Section of Savannah

This outstanding house, typical of the finest in the South, makes an ideal winter or year-round home. Includes—18 x 36 living room, dining room, two pantries, library, sun porch, kitchen, laundry, automatic oil furnace, store rooms—four bedrooms, three baths, sleeping porch. Elevator reaches all floors. House in excellent condition throughout. Separate servants quarters—two bedrooms, sitting room, bath. Three car garage. Old Savannah type enclosed garden. Could not be duplicated for many times the price.

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1007 Savannah Bank and Trust Bldg., Savannah, Georgia

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To live at The Towers is to live at the center of a world completely your own.

The motor entrance to The Towers is private...and the street entrance to The Towers is private...and within the foyer your own special bank of elevators is private, too.

The Concierge Bureau of The Towers gives meticulous secretarial care to the little things that contribute so much to a well ordered life.

Truly...you are incomunicado at The Towers. It is as separate from the HOTEL Waldorf as if that famous institution were a house of its own...entirely different in character, different in location, separate from the Waldorf as if that famous institution were a private club. The Waldorf as if that famous institution were a private club.

That is why “The Towers” of The Waldorf-Astoria is New York’s premier town residence.

100 EAST 50TH STREET • NEW YORK
A NEW and better Chronotherm at a price everyone can afford . . . Styled by Henry Dreyfuss the 1940 Chronotherm with Numeral Clock gives you new beauty and new features, including an accurate, easily read numeral electric clock. Its exclusive "accelerator" action enables it to sense temperature changes before they are apparent to you and to maintain comfortable and healthful temperatures at all times. The Chronotherm automatically lowers temperature at night to a fuel-saving level and automatically restores daytime temperature before you arise, without any attention. . . . It will pay for itself through fuel savings in a season or two.

Sensationally Low Price!

Priced to meet popular demand, the new Chronotherm costs only $18.00 more than a manual thermostat when installed with a new burner—and is available for modernizing present installations at only $28.00. Of course there is a small installation charge in either case . . . Ask your heating dealer to show you the Chronotherm and explain its many advantages.

The New 1940 (Available about March 15th)
DRESS UP YOUR HOME WITH DAYLIGHT THROUGH PC GLASS BLOCKS!

Here are six practical suggestions on how to do it.

PLENTRY OF CHEERFUL SUNLIGHT enters this house through the good looking panels of PC Glass Blocks used in the outer walls. Glass Blocks are non-transparent, and therefore are ideal for shutting off an unattractive view without sacrifice of light. They are exceptionally easy to clean with a damp cloth. Architect—Edouard J. Mutrax.

BREAKFAST IS A PLEASANT MEAL when it’s eaten in a room like this… with PC Glass Blocks letting in the daylight, but closing out the distracting outside world. Diffused daylight and privacy are only two of the many advantages PC Glass Blocks bring to your home. Residence of Dr. M. N. Jasper, Rockville Center, L. I.

TAKE A SHOWER in a PC Glass Block enclosure like this… and you’ve really got something! You’ve got lots of light. Plenty of privacy. Impervious walls that laugh at moisture and chemicals. Not to mention just about the smartest shower treatment yet discovered! Residence of Mr. and Mrs. Louis Riehen, South Orange, N.J.

STAIRWELLS AND CORRIDORS are better lighted, safer, easier to heat when you use panels of PC Glass Blocks to welcome the daylight. “Borrowed light” from such a corridor helps to make the rooms opening from it better lighted, also. And PC Glass Blocks deaden outside noises, make your home quieter and more livable.

GLASS BLOCKS IN THE GARAGE? Of course… to help the man of the house see what he’s doing when those odd repair jobs crop up. A panel of PC Glass Blocks over the workbench in garage or basement is something all men will appreciate. It’s a truly practical application of this versatile building material. Try it in your home.

NO BATHROOM BLUES here… because a smart panel of PC Glass Blocks ignites a spark of cheerfulness. Note the plate glass enclosure with the mirrored circle. The insulation value of PC Glass Blocks helps keep the room warm and draftless. For your home, you have many PC Glass Block patterns and sizes to choose from.
The decade which has just commenced will probably be as notable for unprecedented activity in the field of home building as the past decade was conspicuous for the lamentable lack of it. Obsolescence, on the one hand, and lack of new building on the other, have piled up an enormous shortage in the home market. This shortage will have to be met during the Nineteen Forties.

The manufacturers of building materials and equipment are quite sensible of this impending Building Decade and have conscientiously worked to be ready for the home-builders of 1940 with better products than have ever heretofore been available. In this issue of House & Garden, the editors have attempted to bring the best of these products to the attention of our readers in a form that would be easy to look at and understand.

It will be noted that some of the items shown in this Homebuilders' Guide are new departures in their field, while others are improved versions of a familiar material or design. The object of this Guide is to show as great a variety as possible, and to help the reader in making a selection suitable to his particular requirements.

Our Readers' Service Department will be glad to receive inquiries on any phases of home building.

Richardson Wright, Editor-in-Chief
Henry Humphrey, Managing Editor
Arthur MeK. Stiles, Architectural Editor
Joseph B. Platt, Decorating Consultant
William E. Fink, Art Editor

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CAPE COD COLONIAL

Most of the fun in selecting materials and equipment for your home comes in the knowledge that someday your house will be decorated and landscaped like this little cottage for Daniel Coakley, Jr. at Wareham, Mass.
New building materials and equipment will add comfort, beauty and efficiency to the houses of the "Forties"

Statistics prepared by several authorities in the building field indicate that 1940 is going to start a new decade of residential building at a much better pace than was achieved at any time in the last decade. Home-building has made a steady upward progress since the lows of 1932-1933 and yet there have not been nearly enough homes built to supply the ever-increasing demand caused by depreciation, population increases and marriage. We have every reason to be confident that the 1940s will see an amazing growth in residential building.

Not only are these natural influences which we have mentioned responsible for the quickening increase in home building, but the improvements wrought by the building industry itself in the last ten or fifteen years have made home construction a much simpler and more interesting task and a much surer investment. Look through the pages of this Homebuilders' Guide; compare the illustrations of materials and equipment with those current in magazines of the last decade and the 1920s. How much more functional, how devoid of useless frills, is the equipment of today.

This Homebuilders' Guide is divided into two parts; the first sixteen pages are devoted to the shell of the house, the last thirteen pages to the equipment contained within the shell. The introduction to the section on equipment faces a most unusual photograph of a transparent house.

The section which follows, on the exterior or shell of the house, begins logically enough with the foundations. While the foundations are of prime importance in supporting the house and tying it to the site, they should also be effective barriers against water leakage. So often, particularly on sloping sites, the foundations act as dams against the natural passage of subsurface water, and, unless they are absolutely impervious to the increasing pressure of the water, they will admit moisture to the basement. In our section on foundations, you will find the proper ways to insure for yourself a firm, dry foundation.

Of equal importance to the foundations of your house are the walls and roof which protect the interiors. There are two common types of walls; one of masonry, the other of wood framing with an exterior of wood or masonry. Following an article on foundations, we present an unusual treatment of the subject of wood framing. Here you will find a glossary of those technical terms which are so often confusing to the prospective homebuilder. We give you, too, a table of the recommended grades and species of wood which we have prepared from data supplied us by the Forest Products Laboratory.

"Exterior Walls" is the title of the next section. On these two pages you will see various types of wood and masonry walls. We have given attention to the subject of prefabrication. This type of building was to have revolutionized the home building field in the middle '30s and yet we find the leader in the field of prefabrication is the same one—E. F. Hodgson—who has led for forty years.

The next spread, devoted to roofs, is one of the most interesting in the entire Guide. In these two pages you will find recommended types of roofing materials for use on roofs of various degrees of pitch.

Nowadays few homes, outside of tropical and subtropical zones, are constructed without insulation. In this issue we show you the best types of insulation and we make a feature of the necessity for full weatherstripping. This can add so much to the comfort of our homes, as well as reduce our fuel bills. By means of little sketches of houses, we show the best ways to ventilate the attic and prevent the living area of the house from heat gain in Summer and from heat loss in Winter. A careful study of this section will result in much-to-be-desired fuel savings.

Because windows have heretofore been an important source of heat loss in Winter and heat gain in Summer and because certain types of windows are now insulated, we follow this article on insulation with one on windows. You will find that the new windows are weather tight and are free from the rattles and wind leakage of other days.

Stepping into the interior of the house in the next section, we consider interior walls and floors. Here you will find the newest materials to improve the appearance and the living comfort of your home.

And we wind up the section devoted to the shell of the house with a two-page exposition of the best types of paints and the best means of applying them to the surface which you wish to protect. On page 25 is an outline of the subjects covered in the Second Section of this Guide.
The top surface of the earth is seldom either level or solid just in the place where you want to build a house. So holes are dug and the foundation walls carried down to the more highly compressed and more stable layers of rock and earth beneath the surface.

If the walls are not carried down deep enough or the footings made sufficiently wide, they will start to move and distort the whole fabric of the house. And that means cracked plaster, opening joints and sagging doors.

Often the space enclosed by the foundation walls is excavated, walled and floored to form a basement. Usually it is less expensive to provide an equal volume of space, better lighted and ventilated, above ground. In some types of heating system it is necessary to place the furnace below the level of first floor radiators, but this does not require more than a small enclosed basement space.

If you dig a hole in the ground, at a certain depth it will start to fill with water. This level is known as the water table, and it will not vary greatly in wet or dry seasons. If your cellar pushes into the earth below this level it may have to withstand a great pressure of water; how great a pressure you may gauge by trying to push an empty bucket, bottom first, into a pool of water.
Provide for basement ventilation • Membrane waterproofing gives extra protection against dampness • Protect wooden members with termite shields

Porch Steps

Porch steps should be made of decay-resistant wood (see table on page 11) and set on their own foundation. The underpart of the steps should be freely ventilated to avoid any danger of rotting. For protection against such decay, no woodwork anywhere about the house should be allowed to remain in direct contact with the ground.

Points to Check in Basement Construction

In the drawing above are shown some of the important points to check in the construction of your basement. All foundation walls should have footing 4" to 8" wider than the wall itself. A line of drainage tile laid in cinders or broken stone and connected to a dry well or natural outfall is desirable to carry off surplus moisture that may tend to stand along the outside of the foundation wall. A tar joint is recommended between the basement floor walls and a sump pump. It serves to force any water from inside the basement out to the sewer.
In spite of its inherent disadvantages, wood still retains its traditional perch as the most important material in home building. For it is a wooden frame upon which the stability of most houses still depends.

Yet there are very few home builders who know much about wood. Which is not surprising when you realize that there are more than 150 different species of trees to choose from, supposing that you confined your choice to this country. Each species has its own peculiar qualities and defects. One, for example, may be durable but not provide a good base for paint, another may be good for painting but easily broken.

Suppose you have extracted the meat from a number of technical publications (as we have), suppose you have consulted nationally accepted lumber experts (as we have), suppose you have decided on the species which seems to have all the qualities you need, suppose you can get it from your local lumber dealer at a reasonable price, you still can’t be certain of being able to make a knowledgeable buy. For you won’t know all you ought to know about grades, moisture content, direction of sawing, and a few more small details.

But if you or your contractor or your architect don’t insist upon the correct grade and species of lumber (whether through ignorance or malfeasance) and see that it is correctly employed, the whole fabric of your house may be seriously impaired. These two pages are designed to save you trouble and disappointment.

DEFINITION OF TERMS COMMONLY USED

MILLWORK. Generally all building materials made of finished wood and manufactured in millwork plants and planing mills are included under the term “millwork”. It includes such items as inside and outside doors, window and door frames, blinds, porch work, mantels, panel work, stairways, moldings and interior trim. It does not include flooring, ceiling, or siding.

SAPWOOD. The layers of wood next to the bark, usually lighter in color than the heartwood, one-half inch to 3 or more inches wide that are actively involved in the life processes of the tree. Under most conditions sapwood is more susceptible to decay than heartwood; as a rule it is more permeable to liquids than heartwood. Sapwood is not essentially weaker or stronger than heartwood of the same species.

SEASONING. Removing moisture from green wood in order to improve its serviceability.

SOFTWOODS. The botanical group of trees that have needle or scalelike leaves and are evergreen for the most part, cypress, larch and tamarack being exceptions. The term has no reference to the actual hardness of the wood. Softwoods are often referred to as conifers, botanically are called gymnosperms.

SPRING WOOD. The portion of the annual growth ring that is formed during the early part of the season’s growth. It is usually less dense and weaker than summer wood.

SUMMER WOOD. The portion of the annual growth ring that is formed during the latter part of the yearly growth period. It is usually more dense and stronger mechanically than spring wood.

WEATHERING. The mechanical or chemical disintegration and discoloration of the surface of wood that is caused by exposure to light, the action of dust and sand carried by winds, and the alternate shrinking and swelling of the surface fibers that come with the continual variation in moisture content brought by changes in the weather. Weathering does not include decay.

CHECK. A lengthwise separation of the wood, the greater part of which occurs across the rings of annual growth.

CUP. The distortion of a board in which the face is convex or concave transversely.

DECAY. Disintegration of wood substance through the action of wood-destroying fungi. (Continued on page 40)
### Selection

The kind of wood to use and where to use it • Specifications for supporting members

#### Chart I—Selection of Proper Species and Grade

<table>
<thead>
<tr>
<th>Where Used (See Drawing)</th>
<th>Conditions of Use Require:</th>
<th>Recommended Species</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Joists</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Fir, Douglas, Pine, Southern Cypress, Redwood, Hemlock</td>
<td>Species not as important as dryness, size, and grade. All horizontal members should not be lower in grade than #1 common.</td>
</tr>
<tr>
<td></td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>See Chart III: Maximum Span of Floor Joists</td>
<td></td>
</tr>
<tr>
<td>2. Rafters</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>See Chart III: Maximum Length of Roof Rafters</td>
<td></td>
</tr>
<tr>
<td>3. Ridge &amp; Girders</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Species not important. Any available species has adequate end-grain strength. &quot;Grade &amp; trade-marked&quot; lumber preferable.</td>
<td>Species not as important as dryness and size.</td>
</tr>
<tr>
<td>4. Sill</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Grades should be #1 or #2 boards; #3 boards in Western Pines.</td>
<td>All vertical members should be #1 or #2 common or better.</td>
</tr>
<tr>
<td>5. Studying</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Subflooring should not be over 4&quot; in width for best results. Bring moisture content of subfloor to 12% before applying finish floor.</td>
<td>Grades should be #1 or #2 boards; #3 boards in Western Pines.</td>
</tr>
<tr>
<td>6. Sheathing</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Species not important if large and coarse defects are cut out.</td>
<td>Subflooring should not be over 4&quot; in width for best results. Bring moisture content of subfloor to 12% before applying finish floor.</td>
</tr>
<tr>
<td>7. Roofing</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Species not important if large and coarse defects are cut out.</td>
<td>Subflooring should not be over 4&quot; in width for best results. Bring moisture content of subfloor to 12% before applying finish floor.</td>
</tr>
<tr>
<td>8. Subflooring</td>
<td>*(A) Strength *(B) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>These woods especially preferred because of low shrinkage factor and minimum tendency to check and cup. Have high weathering rating.</td>
</tr>
<tr>
<td>9. Siding</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>Decay resistance, good painting and weathering characteristics, maximum freedom from warp are important.</td>
</tr>
<tr>
<td>10. Cornice</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>Must be all heartwood.</td>
</tr>
<tr>
<td>11. Mouldings</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>Decay resistance, non-splitting important. Should be all heart vertical grain to increase wearing quality.</td>
</tr>
<tr>
<td>12. Gutters</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>Conditions of use are particularly favorable to decay, therefore all wood must be heartwood.</td>
</tr>
<tr>
<td>13. Porch Floor &amp; Steps</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td>Non-durable species should be treated.</td>
</tr>
<tr>
<td>14. Porch Columns, Rails &amp; Post</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td></td>
</tr>
<tr>
<td>15. Blinds, Shutters &amp; Screens</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td></td>
</tr>
<tr>
<td>16. Fences</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td></td>
</tr>
<tr>
<td>PERGOLAS, BOAT LANDINGS, ETC.</td>
<td>*(A) Durability *(B) Paintability *(C) Low Moisture Content</td>
<td>Cedar, Port orford—Clear All Heart</td>
<td></td>
</tr>
</tbody>
</table>

**Interior Trim**

As Specified by Architect. Under No Circumstances to Exceed 12% Moisture Content

(A) = Essential, (B) = Important **Available only as Posts

#### Chart II—Maximum Span of Floor Joists

<table>
<thead>
<tr>
<th>Lumber Size</th>
<th>Spacing on Centers</th>
<th>Douglas Fir SO. Pine</th>
<th>Cypress Redwood</th>
<th>E. Hemlock</th>
<th>E. Spruce Softwoods</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; x 6&quot;</td>
<td>16&quot;</td>
<td>9&quot;</td>
<td>6&quot;</td>
<td>7&quot;</td>
<td>8&quot;</td>
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<tr>
<td>2&quot; x 8&quot;</td>
<td>16&quot;</td>
<td>10&quot;</td>
<td>11&quot;</td>
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<td>13&quot;</td>
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<tr>
<td>2&quot; x 10&quot;</td>
<td>16&quot;</td>
<td>12&quot;</td>
<td>18&quot;</td>
<td>15&quot;</td>
<td>14&quot;</td>
</tr>
<tr>
<td>2&quot; x 12&quot;</td>
<td>16&quot;</td>
<td>12&quot;</td>
<td>18&quot;</td>
<td>15&quot;</td>
<td>14&quot;</td>
</tr>
<tr>
<td>2&quot; x 14&quot;</td>
<td>16&quot;</td>
<td>12&quot;</td>
<td>18&quot;</td>
<td>15&quot;</td>
<td>14&quot;</td>
</tr>
</tbody>
</table>

#### Chart III—Maximum Length of Roof Rafters

<table>
<thead>
<tr>
<th>Size of Joist</th>
<th>Spacing on Centers</th>
<th>Douglas Fir SO. Pine</th>
<th>Cypress Redwood</th>
<th>E. Hemlock</th>
<th>E. Spruce Softwoods</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>6&quot;</td>
<td>7&quot;</td>
<td>7&quot;</td>
<td>7&quot;</td>
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<tr>
<td>18&quot;</td>
<td>6&quot;</td>
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<td>24&quot;</td>
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<td>6&quot;</td>
<td>7&quot;</td>
<td>7&quot;</td>
<td>7&quot;</td>
<td>7&quot;</td>
</tr>
</tbody>
</table>

*(Grade terminology used is standard in the lumber industry)*
Exterior walls must be weathertight and firmly set. They must stop heat passing either in or out (see page 16). Some sections of the wall must be transparent (windows), other sections must afford easy access (doors).

No single material found in nature satisfies all these requirements, so the average wall is built up of layers of different materials separated by dead air spaces (i.e., totally enclosed spaces within the wall in which there is no air movement), which cost nothing and help to stop the passage of heat.

A more logical idea would be to manufacture in large sheets a material which would combine the good qualities of all its constituent materials. These sheets could then be hung on a light frame of metal or wood.

All types of wall (and there are plenty of them) fall into one of two categories: solid or frame. The first is best illustrated by the traditional stone wall—one stone piled on another to form a solid, self-supporting wall. The second category depends upon an open framework of wood or metal to support a surfacing material.

Surfacing materials vary widely in the size of the units

Masonry materials may constitute a solid wall or a surface veneer

Concrete may be poured into forms to make solid monolithic walls as shown in this home of contemporary design. Portland Cement

Above Left: Wood shingles painted as shown here are one of the popular traditional building materials. Right: Closely simulating the wood shingle in texture and appearance is the composition shingle shown here. Fire safety is one of the characteristics which has done much to enhance its popularity

Above Left: Clapboards—another traditional treatment for exterior walls. The width of the individual board varies according to the individual architectural design. Right: Flush siding may be used vertically, as shown here, or horizontally. The effect is to produce a smooth wall surface

Sheathing is the base to which the finished material is applied

Plywood is often used as sheathing. It is available in standard types made especially for this purpose. Douglas Fir Plywood Assn.

Above Left: In most residential applications, brick is used as a veneer over a frame structure. Detail shows brick applied over metal lath and mortar, which in turn is fastened to the wood studs. Right: Stone masonry is still a favored material in sections where good stone is found
New sheathing methods for weather protection • Masonry for durability • Prefabrication maintains its popular appeal

This compressed fiber board combines efficient sheathing with insulation and a moisture-proof asphalt coating. Celotex Corp.

Wood sheathing has stood the test of centuries and adds structural strength when it is applied diagonally on the frame as shown here.

Prefabrication enters the field of wall materials with some interesting developments

Above Left: Modern methods have introduced larger units for exterior wall surfacing. Here is a fiber board factory finished on one or both sides with a durable coating of asbestos cement. Celotex. Right: These special Plywood units will readily withstand constant exposure. Super-Korboard

Above Left: Precast cinder block offers a variety of textures and patterns and may be painted to suit architectural requirements. Right: Here a cinder block wall is shown in process of construction. This wall is not only strong, durable and firesafe, but is also relatively inexpensive.

Top: This cottage is built of prefabricated sections. Each wall unit is constructed at the factory and is complete from the inner wall to the paint on the exterior surface. Obviously, this technique makes possible a tremendous saving of time in assembling the building at the site. Hodgson.

The lower photograph shows a California home designed by Richard J. Neutra. The walls of this home are of metal units comprising an inner and outer wall and an air space between the two.

The two important color trends for 1940—"Paintbox Colors" and "Pastels", see our April issue
Out of the sky stream rain, sun, wind, and more rain. They hang and tear at the roof. But that roof must stay weathertight and stay put.

To avoid leakage the ideal roof would have no joints. To prevent its being lifted off like a hat in the wind, the roof would be merged with the sidewalls into a single smooth-skinned form, like a modern railroad coach.

The answer is a metal sphere, the nearest common equivalent a rectangular house with a flat roof.

But in 1940, as in 1740 and all the years between, the majority of new houses will have pitched roofs covered with hundreds of small overlapping units. And then the traditionally brave attempts will be made to fit rectangular rooms into the triangular space thus enclosed. And all the time you could probably have better, more usable space on the first floor.

But if you do decide to join the majority, the least you can do is to see that all the necessary precautions are taken.

Select the right roofing.

Check the flashing, which prevents leakage in the "creases". Flashing is not expensive to install (although dormer windows and irregular roof plans are expensive), but the lack of good flashing may prove exorbitantly so.

Good flashing is essential to good roofing

Metal flashing applied to the joints between a dormer and the roof. Note that the flashing is carried up under the shingles of both the roof and the dormer, too.

Skylights are often used to light stair halls, etc. Here, too, flashing should completely protect the line of contact at roof or wall. Note leakproof construction.

Chimneys are a source of leaks if flashing is inadequate. The metal should extend under the roofing and through the chimney wall to insure against seepage.

Similar to the chimney as a potential troublemaker is the joint between a roof and an abutting vertical wall, as is true of any relatively low extension.
Weather-tight roofs depend on careful selection of material according to pitch

Flashing is essential in good roofing

**FOR STEEP ROOFS**
- Nos. 4, 5 or 6

**FOR ROOFS OF AVERAGE PITCH**
- May be roofed with Nos. 1, 2, 4, 5, 6 or 8

**RECOMMENDED MINIMUM PITCH ON WHICH TO USE NOS. 1 OR 8**

**FOR ROOFS OF SLIGHT PITCH ARE IDEALLY ROOFED WITH NO. 2 OR OTHER METAL ROOFING**

**FOR FLAT ROOFS AND DECKS**
- Use roofing No. 3 or No. 7 shown at right

**Types of roofing recommended at left**
- 1. Slate
- 2. Copper sheets
- 3. Composition roll roofing
- 4. Asbestos cement shingle
- 5. Canvas
- 6. Wood shingle
- 7. Tile

**Above: Pitch dictates type of roofing**

The pitch of the roof is the angle of its slope. As indicated in the drawing above, not all roofing materials are equally suitable for all roofs, regardless of pitch. If shingles, for example, were applied to a roof of very flat pitch, wind-driven rain would almost certainly cause leaks. Architectural suitability is, of course, another determining factor in choosing the right roofing material.
Heat is always trying to pass from something hot to something less hot (loosely called cold). Heatproofing should aim to stop this natural equalization of temperature between one side of a wall and the other. This will keep heat in during Winter, in Summer keep it out.

See that there are no openings in the wall through which the air may carry heat. Weatherstrip doors and windows, calk around their frames. In Summer add to double glazing (see page 18) awnings which will cut out a lot of sun heat.

To stop heat passing through the solid sections of wall and roof, there are many different types of insulation, some of which are illustrated here. The thicker the insulation the more effective it will be (reflective metal is an exception), but a 4-in. blanket will not be twice as effective as a 2-in. one of the same type. The insulating value of a dead air space (and that means that it must be tightly closed top and bottom as well as on both sides) increases only very little after \( \frac{3}{4} \) in., though less width is much less effective.

How much you want to spend on heatproofing will depend on (a) the climate in your neighborhood, (b) the fuel costs, (c) the type of wall construction used in your house, (d) the price you are willing to spend on comfort.

**Some important pointers for good insulation**

**Where insulation may be put**

1. Insulation between the attic joists is the most economical method when the attic space is only used for storage. 2. When there is living space in the attic the insulation should be carried round it, or over the top and down the roof slopes as in 3. Notice that ventilation is provided above the insulation at the peak of the roof where heat always tends to collect. 4. Insulate floors over unexcavated areas and in basementless houses, 5, 6. Cut off unheated areas such as the garage with an adequate barrier of insulation.

**Attic ventilation is important**

Especially in the case of the modern air conditioned home, means must be provided for permitting humidity which may collect in the attic space or the space over attic rooms to be vented out of doors. If such ventilation is not provided, it is possible for this humidity to condense in the relatively cold space above the attic insulation with possible serious results both to the insulation and the structure. Above are some suggestions for ventilators in different types of roof; the last detail (at right) shows how a flat roof can be vented.
New methods of insulating walls, attic floors and ceilings • Weatherstripping windows • Humidity vents for air-conditioned houses • Types of insulation

Types of insulating material for every part of the house

This blanket type is composed of many layers of crèped wood fiber and is here shown being fastened between the studs. Kimsul

Even a plaster base may have definite insulating characteristics, as in the case of this moisture-resistant wood fiber lath. Insulite Company

Rock wool is made up in bats with an asphalt-impregnated moisture barrier. Two bats reach from the floor to the ceiling. Ruberoid Co.

This insulation is stitched between layers of kraft paper and is called quilt. Nailing flanges make installation easy. Samuel Cabot

Glass wool is shown here in blanket form. It comes in bats, nodules and granules, the latter for existing homes. U. S. Gypsum

Insulation over second-floor ceilings. Here fire-resistant wood fiber is fastened between the attic floor joists. From Wood Conversion Co.

To insulate existing structures pour or blow insulation into spaces in walls and ceilings as illustrated above. Johns-Manville Company

Combining insulating characteristics with sheathing, this cane fiber board is made with a vapor-seal. It is weatherproof throughout. Celotex
Windows are transparent wall sections. They should be just as weatherproof as the rest of the wall, with a high resistance to the passage of heat, at present easily effected in Winter by the use of storm sash, and potentially attainable in Summer by using heat-absorbing glass.

None of the materials used for wall insulation are transparent, though Fiberglas sealed between two sheets of glass will provide a translucent panel with good insulating value; and the same results can be achieved by the dead air spaces sealed in translucent glass blocks.

The only practical form of insulation for window areas would seem to be the dead air space. The removable storm sash is fairly effective but seldom entirely airtight. Much neater and more convenient is the new Thermopane glass described and illustrated below.

There still remains the infiltration of air between the frame of the window and the surrounding wall, between frame and sash, and even between the panes of glass and the muntins. With all these joints there is plenty of room for putty and caulking.

If homebuilders were willing to have a large proportion of fixed sash (entirely practical with air conditioning), and large sheets of glass instead of small panes (which have been carried over from the days when clear glass could not be had in large sheets), then windows could be almost as efficient as the other sections of the wall.

**Thermopane windows**

Newest development of the glass industry is the Thermopane unit—a revolutionary system for insulating window surfaces. The unit consists of two panes of glass, hermetically sealed in a metal frame, the space between being filled with dehydrated air. The unit reduces or eliminates room-side condensation and is fully insulating. Left, construction diagram; Top, three types of Thermopane will be found on page 44.
Even sash-weights are streamlined • And windows with storm sash and screen are sold as one unit • Modern design for modern windows

1. These double-hung wood windows are designed with narrow frames made possible by the use of flat sashweights. This new and ingenious construction gives an effect of lightness, especially when the units are used in a group of three or four, as shown here. Curtis.

2. This metal casement is manufactured as a package unit comprising sash and frame, storm sash and screen. The storm sash, shown installed, has a special ventilating lower section. Manufactured by the Detroit Steel Products Co.

3. A new development is this sliding sash wood window. When closed, the two sections are on a single plane but a gentle pull on the handle, in and to the side, causes one section to slide aside, as shown here. The other section is also movable, allowing either side to be opened. This unit has the additional advantage of being thoroughly weatherstripped. Andersen.

4. A sturdy window in the basement is a practical necessity and a welcome convenience. It will resist both the elements and the hard usage to which such windows are often subjected. It may be securely locked or opened for necessary Summer ventilation. Truscon.

5. This double-hung metal sash has a refreshingly modern appearance owing to the omission of the usual vertical muntins. Its lines, though particularly attractive for modern houses, provide a clear, unobstructed view from any room. This sash is, of course, completely equipped with frame, sash balances and integral weatherstrip. Kawneer.

6. The French window or door is a graceful architectural feature in any home, particularly the more formal country type. It is very often used as a logical opening from the house to the terrace or garden. This nicely proportioned and constructed Georgian design is in wood, and is obtainable from the manufacturer ready for installation. Curtis.

7. The design of this heavy metal hinge is such that the frame of the casement, when open, swings away from the sash, permitting easy cleaning of the outer surface of the glass—an advantage which every home-owner will readily appreciate. Summer breezes can enter regardless of their direction.
In most cases interior walls are not bearing walls. All they have to hold up is the surface materials applied to each side.

These veneers are of specialized types according to the different uses to which the various rooms are to be put. In the living room, decorative quality is probably most important; in the bathroom, walls proof against steam and water.

In general the materials used may be divided into two types according to their physical appearance: panel and liquid. The former includes such materials as wallboard, plywood and structural glass; the latter plaster and paint.

In many cases both types are combined, for example when insulating lath in large panels is used as a plaster base. But generally gallons of wet plaster are thrown on to a frame of scientifically dried lumber, which doesn’t seem logical.

Interior walls and ceilings are usually thought of only as a base for decoration, whereas it is important that they also provide efficient screening between the rooms above and below and on all sides. They should therefore be constructed in such a way that they have good sound insulating qualities (see the article on Sound Control in a forthcoming issue).

And finally, modern architects have shown that most houses have more interior partitions than are really necessary, which runs up the cost of the house. Check your plans with this in mind.

Glass as a wall material is shown in two distinct forms; at left as an over-mantel and at the right as glass blocks. Pittsburgh

Manufactured in large sheets which are easily cut to size, this wall board has a tile-like surface useful in bath and kitchen. Gibbs

The workmen shown here are installing an acoustic ceiling board which effectively serves to dampen noise. From Celotex

This linoleum tile is damp-proof and may be laid on concrete floors of basements, etc., as well as over wood floors. Congoleum Nairn, Inc.

This oak flooring is sanded, finished, waxed and polished at the factory and is ready for use as soon as it is laid. E. L. Bruce Co.

The floor of this bathroom is composed of ceramic tile laid in a thin setting of adhesive mastic. Tile Manufacturers Assoc.

Composition board used on this wall is manufactured in 8-foot widths thus minimizing the number of joints. Homasote
Modern wall board will not crack, has invisible joints • Glass takes many forms • Linoleum tile is perfectly damp-proof

Plywood is here shown being nailed to batten strips on the ceiling. The wood will subsequently be painted. U.S. Plywood

This attractive dining room is walled with a wood fiber board manufactured in lengths up to 12 feet. Ease of application, freedom from cracking are advantages. Masonite

The wall board used in this room has no discernible joints. Specially designed tape is applied where two boards abut, effectively concealing any trace of the joint. U. S. Gypsum

Marbleized asbestos wainscoting is used in the lower section of this wall, plain in the upper section. Johns-Manville

This figured wall covering is canvas. Plaster cracks will not show through this material. Columbus Coated Fabrics

The fine paneled walls of this library, designed by Emil Szendy, architect, are of knotty pine rubbed to a satin finish. Age will add luster to these lovely walls. Western Pine Association
Paint is too often thought of only in terms of its color. "Can I get that sort of paint in just this shade of blue?" Of course you can; and in pink or mauve or thrilling vermillion if it comes to that. Though some colors may be more liable than others to fading and change.

The first object of paint is to preserve. It may have color, or it may be some colorless oil or varnish providing a transparent preservative film. In either case the surface is protective.

Thrifty home-builders should know that the paint itself accounts for only about a quarter of the total cost of painting. The other three-quarters go to the painter who puts it on.

As a normally good paint job may be expected to last about four years, even a difference of one year either way in its life will make a considerable difference to its yearly average cost. If you rate yourself as a moderately competent handyman, you might try putting the paint on yourself. But you are unlikely to save the full three-quarters in this way, because you won't do as good a job as the professional painter.

Longevity in paint depends on (a) the quality of the paint, (b) the way in which it is applied, (c) the "paintability" of the surface. In new wood this means dryness and not too open a grain. In repainting it means careful sanding and filling of the old surface.

Five steps in a good paint job

1. Sandpapering: Old paint to remove loose paint and to insure a smooth surface, too.
2. Dusting: Should be done immediately before painting. Paint on a dry surface only.
3. application of quality paint by a master painter insures maximum life for the job.
4. Protection of property by means of drop-cloths during painting is one of the prime essentials.
5. filling all nail holes or blemishes with putty is the second step toward a sound surface.
The importance of good paint • The cost of paint protection • Proper surface preparation is essential • The effect of chemical research

There is great satisfaction to be derived from the knowledge that you are a wise and careful buyer. It's gratifying, somehow, to your ego as well as to your pocketbook. Just deciding that you're going to be a prudent purchaser, however, doesn't mean that you'll get the best value for your money—not unless your determination is aided and abetted by a knowledge of the factors involved.

Take paint, for instance. (And by "paint" we mean all protective coatings, the clear types as well as the pigmented ones—the stains, varnishes, shellacs, enamels, lacquers.)

The way to get the greatest possible value from your investment in paint is to buy the best quality you can find—to purchase high grade coatings, made by reputable manufacturers. It doesn't pay to try to cut price corners by getting inferior materials. Here's the reason. The cost of application represents three-fourths of the cost of an entire paint job. If the paint used is of an inferior quality and does not last as long as the better grade, your annual cost of paint protection runs much higher. A house painting job that costs, say, $300 and lasts four years, means that the average annual cost of paint protection is $75. Should the paint last only half that time, the annual cost would, of course, be $150. In other words, the better the paint job, the longer the intervals between repaintings—and the lower the annual cost.

Another thing. Inferior paint used on an exterior surface may be the source of other difficulties. A paint job that cracks, peels or blisters is not only an eyesore and a disappointment, but it is an added expense. It costs more, you see, to remove a bad paint job than it does to apply a good one.

What's the difference between high grade and inferior paint, you ask? Well, it depends, of course, upon the type of paint you mean and where it's to be used. But to take one sort for the purpose of illustration, we'll talk about house paint—the kind that's used for wooden surfaces that will feel the destructive force of wind and sun and rain. A top grade will be composed of approximately 90% of film-forming oils, pigments and color—of 10% volatile solvent that evaporates as the coating dries.

An inferior grade has been known to have as little as 37% of oils, pigment and color while the volatile solvent accounted for 30%. The remaining 33% consisted of nothing more than water. Naturally an inferior grade such as this cannot protect a surface as effectively as a quality coating can—particularly when it may be only 41% as efficient!

As a second important factor in getting your money's worth in a paint job, be sure that your quality coating is applied properly and that the surface preparation preceding the application is carefully done. This calls for the services of well-trained applicators who know how—and when—coatings should be applied to give the best results and the longest service.

Preparation for a job is a prime factor in its success. Without the knowledge possessed by competent contractors this preparation is likely to be slipshod and faulty. Modern homes and buildings are built of clapboard, wood shingles, composition shingles, brick, stone, stucco, cement and concrete. And the interiors are built of varying species of wood and differing types of wall and floor surfaces. Study of structural materials by the contractor is an essential to the proper selection of paints to be used.

Proper surface preparation is essential to every job if it is to be a lasting and beautiful one. Surface preparation means study of conditions of surfaces and their receptivity to paint—and the remedying of bad conditions when they exist. Bad conditions are not always apparent to the unskilled man. Some surfaces are obviously cracking, blistering and peeling. The applicator must know whether these blemishes can be scraped off or whether the entire surface must be removed. And what is to be put on before the first full coat? How are cracks to be filled? Careful and complete puttying must always be done. Joints must be filled. What about rust? What about knots in wood? And, above all, what about moisture—sometimes apparent, but all too often hidden from the naked eye? Reliable contractors give to surface preparation the thorough consideration it must have.

Not until all surfaces have been properly prepared, not until he is (Continued on page 48)
THE CRANE COMPANY'S MODEL HOUSE, OF TRANSPARENT PLASTIC, REVEALS RADIATORS AND PLUMBING
Cleark and penetrating as an X-ray, this striking photograph of the Crane Company's transparent plastic model on the opposite page reveals the complicated mass of mechanical equipment that lies behind the walls of the modern house. Unlike the man who drives a car without knowing what goes on beneath the hood, the homebuilder must know what goes inside the shell of his house, how it works, how it is installed and how it is controlled.

Comfort and economical operation are dependent upon this vital machinery, and it should be selected with the utmost care. To aid the prospective homebuilder in this selection we devote the next eleven pages to a survey of home equipment.

In a section on lighting (pages 26-27) we discuss the methods of treating daylight and artificial light. The problem is approached from the point of view of control. Daylight, for example, may be diffused through the use of Venetian blinds or glass block. On the other hand, innumerable tricks can be achieved with artificial light by the use of various types of lenses and reflectors.

Comfort depends upon heat—the right kind of heat delivered at the right time. Consequently the selection of this heating unit demands more than casual attention. In a chapter on heating and air-conditioning (pages 28-29) we report on the new developments in this field.

There are three significant factors to be noted: the effort of the manufacturer to produce a more efficient unit; an attempt to reduce the size of the plant; and a trend towards the combination of the various elements into a unified system. These particular factors play an important part in our interesting discussion of heating the basement-less house where a small unit is usually indicated.

When it comes to dressing rooms, many homebuilders grudgingly discard the idea for the sake of economy. But that added luxury can be easily obtained and without great expense. In our article on bathrooms (pages 30-31) we suggest three schemes for combining baths and dressing-rooms. Sketches and floor plans show how standard cabinets and a few decorative flourishes can transform a roomful of practical equipment into a charming setting. And there are two rooms where before there was one.

An article on kitchens (pages 32-33) gets right down to the fundamental problem of fitting standard equipment into usually un-standard space. We suggest three general kitchen treatments and apply these to various types of floor plans, showing the efficient arrangement of the three work centers which are needed for modern cooking, and the production line process of preparing meals.

The homebuilder who takes hardware (pages 34-35) for granted frequently finds his home afflicted with a case of rattling windows and sagging doors. Therefore the selection of these seemingly commonplace items should be discussed thoroughly with the architect and builder. Since no prospective home owner can keep up with the multitude of new designs, we show some of the more recent types of door knobs, hinges, and latches. There are also sketches of new plumbing and electrical fixtures, including a noiseless light switch which will doubtless be standard equipment in the home of tomorrow.

Many people forget all about such practical devices as sump pumps and incinerators. We point out a few of these important accessories in an article on miscellaneous equipment (page 36) which concludes this section.

People who lived in glass houses would not need to be told the value and convenience of sufficient—and efficient—equipment
Sunlight or electric light, both are startling, impressive if you will, but neither charming nor useful without some means of control. A shaft of direct sunlight striking a wall on the far side of the room may be invigorating, but allow it to strike a visitor perched on the sofa and it becomes as irritating and ill-mannered as a naked electric light bulb.

Sunlight is no more capricious than the solar system. By orientation, shape and position of windows, type of glass used, and outside overhangs, it is quite simple to control the entry of sunlight into the house (see our January 1937 issue, page 56), and to modulate its quality.

Light always appears brighter when a small bright area is framed by an unlighted wall. So a small window will often appear more glaring than a much larger glass area.

Artificial light, of course, can be most exactly controlled in quality, quantity and direction. Which is a good reason for using its qualities with a sensitive hand. The best light is not usually the brightest; but allow for a proper supply of current by insisting upon adequate wiring (see our March 1939 issue, page 22).

Remember that there are more subtle ways of coloring light than sending it through a gelatin tissue. Light takes on some of the color of the surface from which it is reflected, and thus colored it will modify the tone of the surface upon which it falls.

Colored light is useful to change the decoration of multipurpose rooms according to mood.

Artificial light may be most exactly controlled by the shape of lenses and reflectors

Reflectors and lenses: 1) The left-hand section of this reflector is polished and thus gives accurate control; the right-hand side is coated with a diffusing material. 2) An elliptical reflector will produce a convergence of rays at its focal point where they may be passed through a very small opening. 3) A flat prismatic lens of this type will change the direction of light. 4) Fresnel lens will give a shaped beam with a soft edge. 5) For a sharp pinpoint of light a double convex or combination lens is needed.

Light may be controlled on the outside of the house before it reaches the windows

Windows may be shielded from direct sunlight by awnings. Any light which then enters is reflected light which will be slightly tinged with the color of various reflecting surfaces.

The width and angle of a roof overhang can be exactly calculated in advance to keep out the hot Summer sun yet allow direct sunlight to enter the house in Winter.

For reading without disturbing your bedfellow, it is useful to have a closely delimited patch of light coming from a concealed spotlight in the ceiling. (Design and photo credits on page 50)
The right sort of daylight just where you want it •
Making artificial light perform new tricks

The quality of light may also be controlled
by shades and diffusing glass

**Diffusing glass.** Illustrations above show various patterns of glass lighted by a single electric bulb at center. 1) Horizontal ribbed, 2) heavy fluted, 3) diamond prism, 4) prismatic pattern, 5) vertical prism. It will be noticed that ribbed glass produces a banded effect at right-angles to the ribbing. These samples suggest the wide variety of effects which can be quite simply achieved by the use of such glass in windows or as artificial light fixture shades.

Glass block not only diffuses direct sunlight and thus softens the glaring effect of a small window in an unlighted wall but it also gives thermal insulation.

A new type of screen (on the right), designed on the same principle as a Venetian blind, is shown compared with a piece of conventional screen. Note the shadow cast by the new screen.

Venetian blinds may be adjusted to reflect sunlight up onto the ceiling and thus give the effect of indirect illumination. (For sources, turn to page 50)

Comparative diffusion. On the left is a ceiling light fitting with a configured glass of low diffusion, behind a sheet of etched plate, resulting in bright spots and a washed-out design. On the right is the same fitting with a piece of highly diffusing flashed opal glass substituted.
There is more to modern heating than heat. Any system which provides heat alone can never even come near to duplicating that exuberant warmth which you may have felt on a sunny Spring day.

For pleasurable atmospheric conditions depend upon the humidity and movement of the air as well as upon its temperature and cleanliness. It is these phases of a modern heating system which are of so much more importance than the luxury addition of a cooling system for the Summer months.

Even the most modestly planned house today should be fitted with some form of air conditioning. The necessity for ducts from a central plant drops the heater room into the centre of the house. Gas has eliminated the need for fuel storage space, and thus forced itself into the limelight as the ideal fuel for an economical basementless house. For mild climates one or two unit air conditioners may be most satisfactory.

Ideal for use in existing homes, this small but complete conditioner needs only to be provided with ducts and connected with the boiler to supply heating, humidification, air motion and air cleansing. It is made by Fitzgibbons.

Ducts are an important part of any air conditioning system. A new asbestos duct, here shown being installed, which combines insulation and sound control. Carey

When a basement is available, these units provide efficient heating or air conditioning

A compact boiler is here shown installed in a basement utility room. Note also the domestic hot water heater, at left. The Crane Co.

An ample supply of domestic hot water is provided by this oil burning and automatically-controlled residential unit. By Anchor Post
Compact and complete air conditioning units • Attic fans as an aid to Summer comfort • Automatic coal stokers

Heating and air conditioning for the home without a basement

Above, at the right of this small kitchen is a complete gas-burning air conditioner. This one measures only about 2 feet by 3 feet by 7 feet high, making it a perfect answer to small home requirements. From American Radiator Co.

Many modern homes are designed with a small heater room on the first floor as shown in picture above. This installation includes an oil burner and a circulating pump. The Crane Co.

The attic fan is an indispensable aid to Summer comfort

The function of an attic fan is to exhaust accumulated hot air from the house, drawing in cool air from out-of-doors. The one shown is from General Electric.

This fan is shown boxed in with a protective wire mesh on the attic side and the louvers in the attic wall showing beyond. Chelsea.

The fan shown above is designed to be installed over an opening in the attic floor. Twin fans within the casing expel the warm air from either end, thus cooling the rooms below. Zephyr.

All essential functions of Winter air conditioning are provided by this well-designed small unit. From Carrier.

In a small California house we find a complete gas-fired heating unit and domestic hot water storage tank accommodated in a closet. J. E. Dinwiddie.
In the days when there was only one bathroom to every four bedrooms, the public-spirited bather scuttled in and out without too much delay. But now that we have almost reached the point at which every bedroom has its own bath, it is time to consider improving facilities for dressing as well as washing. After the essentials come the conveniences.

First it is essential to gather in one place the dressing table, storage cabinets and wash basin which are normally required. These may be put into an alcove off the bedroom proper, into a small anteroom between bedroom and bath, or in the bathroom itself.

The dressing room needs carefully proportioned and fitted storage space, also large work surfaces set at the right height. Dressing a human being for table presents much the same problems as dressing a pheasant for the same purpose, so it is not unnatural to find the modern kitchen setting the precedents which a useful dressing room will inevitably follow.

This suggests that dressing room equipment need not be specially built, but could sensibly borrow the cabinets, sinks, etc., already developed and standardized for kitchens. The result is a conveniently fitted and eminently attractive dressing room at a cost very much lower than has hitherto seemed possible.

Modern dressing-bath, feminine version

With the bath facilities grouped along one wall, the remainder of this room has been given over to spacious and convenient arrangements for dressing and clothes storage, all planned to conform to the standard units of modern kitchen cabinets. In the corner next to the door is a tall closet which, fitted with an extension rod, is ideal for hanging clothes. The storage features, numbered on the sketch, provide: 1. shelves for hats; drawers for lingerie; 2. ventilated shoe shelves; 3. tubular lights for dressing table; 4. additional shoe storage; 5. shelves for cosmetics, etc.; 6. clean linen supply; 7. hamper for soiled clothes.

The wash bowl, a flat-rim type, has been set into a broad shelf of structural glass, providing ample elbow room and space for all the cosmetics and toilet articles which you always want at your fingertips.
Standard kitchen cabinets are adaptable for dressing rooms. Modern planning combines decorative and functional elements.

Dressing room for Mr. and Mrs. (above)

Panelled-door kitchen cabinets in a natural wood finish create a simple dressing room in the Colonial tradition. The wall opposite the one sketched provides large closets, drawers and dressing-top for a man. On the feminine side, a small wash bowl has been included in the broad dressing table of colorful linoleum. The storage details include: 1. tall closet, two feet wide, with extension rod for hanging clothes; hat shelves above; 2. small shelves for cosmetics; 3. drawers for lingerie; 4. storage for linen, supplies; 5. shoe storage. Stock cabinet sizes provide a great many variations for this type of plan.

Dressing alcove for a man (left)

Good modern planning separates the dressing facilities from the main part of the bedroom. Ready-built kitchen cabinets are a practical medium for such functional planning. In this man's room the rich brown cabinets have been arranged to form a decorative, structural feature, with a dressing seat and storage for every type of clothing and accessories. Details as numbered are: 1. indirect lighting pane over mirror; 2. tall closet for hanging clothes; 3. extra closet for sports or dress clothes; 4. drawers for shirts, underwear; 5. soiled clothes hamper. Other cabinets for shoes, hats, golf clubs, rackets.
Production of meals in the kitchen is concentrated in three machines: refrigerator, stove, sink. But even a simple meal is too complicated a product to be put together on an assembly line, even if it were being prepared by three people instead of one.

For the same reason it is wrong to suppose that the only efficient kitchen plan is one of the standardized shapes— one-wall, corridor, U-shape and L-shape — developed to avoid constant and lengthy trudging from one center to another.

For a kitchen that is just a kitchen and nothing more, the standardized plans, worked out with the newest equipment and adequate storage and work space, cannot be bettered. But many modern kitchens have to accommodate a dining alcove, a pantry and a laundry room. So kitchen machinery has to be arranged with these limiting conditions in mind.

The size and complexity of the machines themselves must be determined before planning starts, according to the number and size of meals which they will be required to produce. And the storage space must also be proportionately increased to allow sufficient margin.

Remember that the less fussy and "peckety" in decoration, the more easily will a kitchen be kept bright and clean.

New details increase convenience in cabinets

To bring all the small condiment and spice packages up into clear view, use an adjustable step-shelf in wall-cabinet.

This handy waste container fits inside one of the doors below the sink, where it is needed. Easy to remove for emptying.

Special cutlery drawer has planned divisions. Saves time, accidents. Keeps knives in condition. Board for cutting.

Vertical filing system for pot lids eliminates usual clatter and clutter of storing them.

Details from General Electric.
Standard equipment, adapted to large and small plans • Modern service units step up efficiency • Electric sinks wash your dishes

The clean up place, planned for large or small kitchens

The new electric sinks provide a large shiny basin and they also offer practical solutions to those two old problems—dishwashing and garbage disposal.

The electric garbage disposal unit has its opening in the sink basin so that dishes may be scraped directly into the unit. Its operation is safe, economical and really amazing. The new dishwasher has rubber-covered racks which are stationary and perfectly safe for the finest china. The improved washing cycle reaches all surfaces and removes even baked-on food particles.

The storage place—adapted for different conditions

Two plans use the same “storage place” to advantage but in different ways. Generally the best plan for an average-sized kitchen is to group the storage cabinets and refrigerator next to the rear entry with the main food preparation space adjoining the refrigerator on the other side.

In this sketch, a tall closet with shelves will hold canned goods and extra supplies. Next to this closet is a convenient worktop for unloading grocery deliveries. Under this top are handy ventilated bins to be used for fruits and vegetables and next to it is the automatic refrigerator.

The cooking place is designed for efficient operation

A modern automatic range is, of course, the main “works” of the cooking space, but for full convenience the range should be flanked by comfortable work space and a serving counter. Since cooking operations also make frequent use of the sink, put sink and range close together with the work space between.

The new ranges, both gas and electric, are designed to fit close to the back wall in line with the adjoining cabinet space. For such installation a new range hood has been developed. It fits under standard wall cabinets and is connected to flue or duct.
Hardware—locks, hinges, handles, and so on—is a part of the house which you never notice until it goes wrong. That is, if it is good hardware.

Bad hardware will stand out in any room, for conscientiously misguided attempts will have been made to make it appear impressive by a heavy and ornate design. When you catch hold of the handle it will hurt your hand, and when you open the door the skin will be barked off your hand by the door frame.

To judge the quality of a door handle try it in actual use on a door. Test its comfort as well as its looks. And don't look at the price tag until you have made your choice. You may be surprised to find that you have chosen one of the least expensive types.

You will find it hard to judge the quality of a lock; so depend upon the manufacturer's reputation. See that it works easily and smoothly, and remember that it is the lock and hinges which do the hard work. Here is a point where it is usually wiser not to economize.

If you are considering security, remember that the burglar who really wants to get in will probably try the side doors as well as the front entrance. So fit them with equally efficient locks.

Accessories for the Bathroom

1. A bath-curtain track designed for the recessed tub; this detail shows the sliding curtain hooks. Hoegger.
2. At the side, velts sewed in the curtain edge are fed into this channel to hold the curtain close to the wall.
3. This bathroom heater has an electric element behind a grille and is installed in the wall. Thermador.
4. The lever on this shower-head permits easy adjustment of the spray and automatic cleansing. Speakman.
5. This shower-valve automatically equalizes hot and cold water pressure, protects the user. Powers.
6. The top of the toilet tank becomes a safer place for jars and bottles, equipped with this cover. Scoville.

Add convenience with this equipment

1. Regardless of Winter snow and ice this garage door always lifts easily on its tracks yet fits tightly when shut. The secret is in the slant of the vertical track. Overhead Door Corp.
2. Some garage doors are equipped to be operated by an electric motor. This convenient lock switch raises or lowers the door and may be operated from the seat of an automobile. Stanley.
3. These folding doors are surfaced with fabric on a metal frame. They move easily and fold compactly. Newcastle.
4. When the family is out packages may still be delivered by placing them in this compartment which extends through the wall and has two doors. Majestic.
5. These folding attic stairs are spring balanced so that they may be raised or lowered without effort. When closed, a panel fits neatly over the opening. Bessler.
6. With the average firescreen there is always the question of where to put it when it is not required; this screen is made of metal mesh, suspended from rings, and may be slid to either side when desired. Bennett.
Doors take these attachments

1. The upper section of this screen door, electrically charged, is harmless to humans but fatal to insects. Durobar.
2. This improved screen door handle operates by being pushed or pulled, instead of turning. Excellent for terrace doors through which trays may have to be carried. Wright.
3. A hinge which swings both ways and has a self-contained spring is appropriate for the pantry door. Bommer.
4. Slamming doors are a nuisance. This door-stop holds the door securely in any position. Bommer.
5. This knob is made of moulded plastic, obtainable in various colors to harmonize with decorative schemes. Lockwood.
6. Simple and straightforward in design, this assembly is a noteworthy contribution to modern hardware. Corbin.
7. For kitchen cupboards, screen doors, etc. This spring catch snugs the door tight against the jamb. Casement Hardware.
8. An ingenious design which combines lock and handles in a single assembly. The key is inserted in the knob. Sargent.
9. The front door of your Colonial home might well be equipped with this handsome brass handle. The new type key plate is conveniently surrounded by a ring of luminous plastic. Yale.
10. Drafts between rooms are easily eliminated with this device. A strip in the bottom of the door lowers against the floor when the door is closed. Raysteel.
11. To simplify the work of installation this lock is so designed that two holes, bored in the door at right angles to each other, permit the assembly to be slipped into place. Schlage.
12. The olive hinge is noteworthy for its inconspicuousness. When the door is closed, only the center section is visible.

Electrical accessories

1. This lamp is manufactured with an integral reflector, making it ideal for floodlighting of grounds. Westinghouse.
2. No fuses needed. An overload stops the current which is restored by operating a switch. Westinghouse.
3. This waterproof switch and outlet are designed especially for installation in exposed locations. G. E.
4. This new switch is entirely silent in operation, and its construction minimizes wear. G. E.

New fittings for windows

1. These metal bars lock protectingly across the window, and slide conveniently out of sight against the jamb when not in use. Slide-Back Protection Bars Co.
2. When an open casement might admit too much air, these screened ventilators will help. Croftair.
3. An adjustable sash balance which insures quiet, smooth operation of double hung windows. Its compact size eliminates the need for bulky frames. Pullman.
4. This sash balance is composed of a tempered spring in a metal housing which also provides satisfactory draft-free weather stripping. Master Metal Strip.
Additional equipment

Practical accessories are an aid to efficient operation

A home elevator is of special importance when invalids or older people are to be considered. It may also be installed in the stairwell when space permits. Shepard

Quick disposal of garbage and trash is easily accomplished by means of this compact gas-burning incinerator. May be connected to a flue and installed in the basement. Kernerator

A simple type of incinerator which is quite appropriate for outdoor installation. It may be jacketed with metal or bricked in if desired. Majestic Company

This modern residential elevator requires less space than the average closet and can be installed in most homes already built, as well as in any new one. Sodgwick

The advantages of an elevator may be secured even when the plan of the home does not permit construction of a shaft. This one is equipped with folding seats and runs smoothly on its track up the side of the staircase. Inclinator Company of America

A sump pump installed in your basement (see page 9) will automatically pump out any accumulated water. It is powered by electricity. Gould

The discomfort of dry air in the house can be overcome by the use of a good humidifier. The model shown here is sixteen inches in diameter and evaporates four gallons of water a day. Walton

This cedar closet lining is made of tongue-and-grooved aromatic red cedar ready for installation. In new homes it costs little more than lath and plaster. E. L. Bruce Company
OUR "CASTLE"

IS NOT FOR SALE ANY MORE

Hooray! Down comes the sign. The old home is "saved."

It's better looking than ever.

More rooms too.

And the whole remodeling job cost so little.

Let's tell people how we did it.

The plaster walls in my old sewing-room were full of cracks, so we put Masonite Tempered Presdwood over them and grooved it with a horizontal design. My Tempered Presdwood cutting-table folds into the wall and my sewing-machine becomes a dressing table. And so the room can be turned into a delightful guest room!

Just look at this cozy den of Harry's... transformed from the old parlor, by having built-in sofa, bookshelves and private closet of Masonite Tempered Presdwood. You see, it's a very strong, all-wood board that is grainless and moisture-resistant. Ideal for remodeling, because it won't warp, chip, split or crack.

And here's the grand room we made for Harry, Jr., in the attic, by using Masonite Structural Insulation to close in previous waste space. Harry loves it; and we get the benefit of its insulating qualities... Why don't you see how easily and cheaply Masonite products can help you fix up your home?

And then we turned the twins' room into a real nursery, by putting Masonite Tempered Presdwood right over the old walls and ceiling. We painted the walls peach and the ceiling pale blue. And we found it was easy to make the built-in furniture of Tempered Presdwood too. It can be cut or sawed to any size or shape.

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in double-hung or casement types for all kinds of homes, apartments, schools, buildings—regardless of size or architectural style.

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For Kawneer features will completely change your present idea of window value!

For new ways of serving it.

Plumbing Problem

Question: Why doesn't our newly built house have a separate chamber pot for the bathroom, and is there a way to correct this problem?

Answer: There are a number of possible causes of excessive noise from the plumbing system. However, this may be overcome by taking an elbow out of the line and putting in a "T" with a 6" nipple and cap, as illustrated. This furnishes an air cushion and is particularly effective with the valve-type of flushing device.

Book Repair

Question: Can you tell me how to repair one of my books?

Answer: If the book wasn't too

chair and two dressers—or one large chest and a dressing table.

Restoring Sponges

Question: I have recently uncovered some old sponges in the attic which are as stiff as a board. How can I reclaim them?

Answer: Put the sponges in a small pot of warm water and add a tablespoonful of borax. Bring them to a boil and remove the sponges from the water. Rub dry borax into them and then rinse well in cold running water. If they are still musty, rub lemon into them and rinse thoroughly.

Tangy Pineapple Drinks

Question: What is the best method of using pineapple juice in our household and would like suggestions for new ways of serving it.

Answer: Combine two parts of pineapple juice with one part tomato, cranberry or cherry juice and a dash of lemon. Another method is to add crushed ice and "fluff up" with a rotary egg beater. Or, simmer with whole spices, stain and serve hot or cold. Pineapple juice with a dash of Maraschino, Angostura or crème de menthe is delicious. It is refreshing combined with equal parts of chilled ginger ale and a dash of lime.

Furniture Nucleus

Question: I am planning to be married in June. My fiancé is to be transferred to another city so we haven't yet picked out our apartment. What basic pieces should we buy for a two-and-a-half-room apartment?

Answer: For the living room you should be safe in choosing a sofa, two comfortable chairs, two lamp tables, a coffee table, a drop-leaf dining table and four straight chairs. When not in use, two of these chairs can be placed in the foyer. Bedroom furniture might consist of twin beds, one slipper

from the plumbing system. However, this may be overcome by taking an elbow out of the line and putting in a "T" with a 6" nipple and cap, as illustrated. This furnishes an air cushion and is particularly effective with the valve-type of flushing device.

Book Repair

Question: One of my books was left out in the rain and several of the pages are quite wrinkled. Can I do anything to remedy this?

Answer: If the book wasn't too
& ANSWERS

thoroughly soaked, you may be able to renovate it by dampening a few pages with a moist sponge. Then smooth down the creases, placing the pages between dry blotters, and let them dry under pressure.

More complete information on this subject may be found in the book, "The Care and Repair of Books" by Lyndberg & Archer, published by R. R. Bowker.

Cedar Cellar Closet

QUESTION: Is there any reason why it would be undesirable to build a cedar closet in the basement? My cellar, like that of all stone houses in this area, is damp in summer.

ANSWER: There is no reason why you should not build a cedar closet in the basement. The Summer dampness will not affect it or its contents providing the closet is raised a few inches above the floor. It should be built on two-by-fours so that there will be ventilation underneath it. Cedar is highly resistant to dampness.

FHA Financing

QUESTION: I am going to build a small house. Have you featured any articles on FHA financing and its provisions?

ANSWER: Our first article on FHA financing methods appeared in the February, 1937, issue; a five-page article on FHA was published in June, 1938, and a subsequent article was printed in the second section of the September, 1938, issue.

Good Firewood

QUESTION: What woods do you consider particularly good for burning in the fireplace?

ANSWER: Hardwood is desirable because it doesn't burn as quickly as the more resinous woods. Some variety of oak is available in almost any locality and it makes a good crackling fire. White birch is decorative and helps ignite the heavy backlogs such as hickory, as the more resinous woods. Some aromatic sassafras waft an irre sistible fragrance.

Fragrant Closets

QUESTION: Will you tell me how to make old fashioned pomander balls? This should be a good rainy day project for the children.

ANSWER: Stick whole cloves into the skin of a Florida orange until the rind is completely covered. Then roll the orange in a mixture of equal parts of orris root and ground cinnamon. Powder it generously, then wrap the pomander in soft paper and store it for several weeks. Remove paper, shake off any loose powder and it will be ready to hang in your closet.

Protection Against Distemper

QUESTION: What can I do to try to protect my young Irish Setter puppy from distemper?

ANSWER: You can do two things: one is to have the dog inoculated; the other is to see that it gets the correct amount of the right food, which of course includes plenty of raw meat. The dog should have exercise in the sunshine and fresh air. He should have clean, dry sleeping quarters, well protected from draughts. He should be kept free of intestinal parasites. If these precautions are followed, you need not worry too much about distemper, especially if the dog is not permitted to go places where he might pick up the contagion.

When to Buy a Dog

QUESTION: At what age would you consider it advisable to buy a dog?

ANSWER: Six months. It is at this age that the dog has attained a fairly good start in life. He is over most of his puppy ailments, has started cutting his teeth, and has developed enough to enable his future owner to determine what he will look like in later life. At six months he has arrived at the point where he is beginning to comprehend. Buying a dog of this age generally results in satisfaction to both buyer and seller.

Vitamins in Dog's Diet

QUESTION: For what reason are tomatoes and tomato juice recommended as part of a dog's diet?

ANSWER: Tomatoes, both raw and canned, are recommended as part of a dog's diet because of the content of vitamin A, which tends to produce growth and increase the iron in the blood. Vitamin C, which tends to eliminate skin trouble.

These are a few of our reader inquiries picked at random. We shall be glad to receive any similar questions that you may have on building, decorating or gardening. Send them to: Questions & Answers Dept., House & Garden, 420 Lexington Ave., N. Y. C.
WOOD SELECTION

CONTINUING FROM PAGE 10

The Gardens of Larkspurs by H. L. Bailey continues a series of studies on special plant families and is invaluable. So is George L. Slate's Hardy Chrysanthemums, in which Mr. Cumming, already well known for his Korean hybrids, is revealed as a brilliant writer; and Donald Wyman's Hedges, Screens and Windbreaks is a comprehensive coverage of the subject.

To be read at leisure and for sheer delight I also recommend these three: To Persia for Flowers, by Alice Fuller; The World Was My Garden, by David Fairchild; and Floribunda, by Lorine L. Butler.

BOOKS FOR GARDENERS

DEFECT. Any irregularity occurring in or on wood that may lower its strength.

Dry Rot. A term loosely applied to many types of decay but especially to that which, when in an advanced stage, permits the wood to be easily crushed to a dry powder. The term is actually a misnomer for any decay, since all fungi require moisture for growth.

Durability. A general term for permanence or lastingness. Frequently used to refer to the degree of resistance of a species or of an individual piece of wood to attack by wood-destroying fungi under conditions that favor such attack. In this connection the term "resistance to decay" is more specific.

Grain. The designation of the quality of a manufactured piece of wood.

Grain. The direction, size, arrangement, appearance, or quality of the fibers in wood.

Close-grained wood. Wood with narrow and inconspicuous annual rings.

The term is sometimes used to designate wood having small and closely spaced pores, but in this sense the term "fine textured" is more often used.

Coarse-grained wood. Wood with wide and conspicuous annual rings; that is, rings in which there is considerable difference between Spring wood and Summer wood. The term is sometimes used to designate wood with large pores, such as oak, ash, chestnut, and walnut; but in this sense the term "coarse-textured" is more often used.

Cross grain. Grain not parallel with the axis of a piece. It may be either diagonal or spiral grain or a combination of the two.

Diagonal grain. Annual rings at an angle with the axis of a piece as a result of sawing at an angle with the bark of the tree.

Edge grain. Edge-grain lumber has been sawed parallel with the pith of the log and approximately at right angles to the growth rings; that is, the rings form an angle of 45° with the surface of the piece.

Flat grain. Flat-grain lumber has been sawed parallel with the pith of the log and approximately tangent to the growth rings; that is, the rings form an angle of less than 45° with the surface of the piece.

Interlocked-grained wood. Wood in which the fibers are inclined in one direction in a number of rings of annual growth, then gradually reverse and are inclined in an opposite direction in succeeding growth rings, then reverse again.

Open-grained wood. Common classification of paints for woods with large pores, such as oak, ash, chestnut, and walnut. Also known as "coarse-textured".

Plain-sawn. Another term for flat grain.

Quarter-sawn. Another term for edge grain.

Spiral grain. A type of growth in which the fibers take a spiral course about the hole of a tree instead of the normal vertical course. The spiral may extend right-handed or left-handed around the tree trunk.

Vertical-grain. Another term for edge grain.

Wavy-grained wood. Wood in which the fibers collectively take the form of waves or undulations.

Green. Uncured, wet.

Hardwoods. The botanical group of trees that are broad-leaved. The term has no reference to the actual hardness of the wood. Angiosperms is the botanical name for hardwoods.

Heart, Heartwood. The wood, extending from the pith to the sapwood, the cells of which no longer participate in the life processes of the tree. Heartwood may be infiltrated with gums, resins, and other materials which usually make it darker and more decay-resistant than sapwood.

EDITOR'S NOTE: For much of the material compiled in the charts accompanying this article, and for the above table of definitions, we are indebted to the Forest Products Laboratory.

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For advanced gardeners there is Thomas Hay's Plants for the Connoisseur. Although of English extraction, it has many features applicable to American gardens. The student of botany will find Plant Form and Function, by Fritsch and Salisbury, an excellent aid. Professor Salisbury is remembered for his The Living Garden.

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RIBBON GARDENS

How to make the colorful serpentine flower patterns so popular in Victorian days

Did you ever hear of "ribbon gardens"? Well, perhaps you never have, unless you heard one of your grandparents tell you about them. Right after the Civil War, it became the style to have ribbon gardens; and by all accounts they were very pretty and required a great deal of planning and care. I read, in a very old paper, that the people were simply "mad" about them, cutting up pretty lawns which, they said, "would have been more scenic left as is, and surrounded by border-gardens, or graced by a well-placed, pin-cushion garden" (which, I believe, was just a round, well-mounded garden).

However, they were so decorative and pretty that enthusiastic gardeners could not resist planting as many as their grounds could grow.

MATCHING PLANTS

The long-ago horticulturist warned his contemporaries that "as a rule, ribbons are rather awkward to manage, because one flower falling to blossom at the proper moment, or one plant growing rampant, or one plant being naffy, has the tinsomse consequence of throwing out the whole pattern. When ribbons are used, therefore, they should be woven of flowers the growth and habits of which are perfectly well-known to us; and people who mean to make ribbons another year should always be matching plants in their minds, for that purpose, at the time they see them growing.

CROSSING CHAINS ON TURF

"Ribbons have become far too elaborate; the prettiest still are surely the simpler patterns—two chains, for instance, simply crossing and recrossing, the chain being laid on turf, or filled with a suitable color. Then the walls, and borders under walls, may be made brilliant and natural by the use of well-chosen flowers."

EVERGREENS AND HELIOTROPE

You may like to follow the patterns of these ribbons which were grown so long ago, substituting new flowers of our day where it would be difficult to follow the old plan.

One arrangement was:

1. An evergreen hedge—a low terraced bed running along it.
2. Against the hedge, here and there, white rose-trees.
3. All along and between the rose-trees, a thick belt of tall-trained dark purple heliotrope. Heliotrope grows well on walls and looks perfectly natural by the use of variegated foliage, pretty as it is, and surrounded by border-gardens, or graced by a well-placed, pin-cushion garden

Another arrangement, for Summer, was the following:

1. Laurel hedge.
2. Alternate standard trees and tall white lilacs.
3. A row of some blue or purple flower, a bright Mexican blue one, or a more slaty flower, or else blue campanulas.
4. Rose-colored geraniums of a sort with plain green leaves, as the light variegated foliage, pretty as it is, detracts from the flowers.
5. A line of blue dwarf lobelias; or, if plain foliage was used for No. 4, there might be a line of variegated geraniums, not allowed to flower for 3; and then for 6, the blue lobelias or a row of nemophilas. You must decide, however, on two blues that either match each other or make a decided difference of shade, not color, or else the lines 3 and 5 will make the whole thing look muddy. For instance, there must not be Mexican blue and nemophila.

Another beautiful ribbon is most effective:

GREEN, WHITE AND SCARLET

Scene—a long walk; a woody bank on one side, a wall about five feet high on the other.

1. Laurel hedge growing along the stone wall and clipped flat.
2. Row of bollyhocks and dahlias, planted alternately (I should add orange or tiger-lilies for a show before the others bloom).
3. A line of double white feverfew.
4. A line of compact scarlet geraniums.
5. A row of mignonette, for sweetness.
6. A row of nemophila. The feverfew, the mignonette and the nemophila sow themselves. They are merely covered, in Autumn, with a sifting soil and, being Autumn-sown, blossom very early in the following Spring. If they fail, seeds, of course, could always be sown again in the Spring.

THE POPULAR GERANIUMS

You can see how devoted our ancestors were to the geraniums—and no wonder, because they were so hardy, so quaint and so colorful.

A lovely Easter ribbon could be made, in Autumn, with a background of purple asters, a center row of deep, clear rose-color, and the hanging fringe made of white verbenaus.

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EVERYBODY RECOGNIZES THE VALUE OF TILE!

Owners of houses for sale or rent know that if they can feature the fact that the bathroom or the kitchen is tiled, prospects will be favorably impressed. The beauty, permanence and sanitary features of tile are so fully recognized by everyone, that a tiled room increases the value of a home far out of proportion to its real cost. Unfortunately, some people have the impression that a tiled room is expensive. This is not true. The fact is that the difference in cost between a beautifully tiled room and one finished with other materials is very slight. Shrewd home builders do not allow this to stand between them and the proud ownership of tiled rooms. Dollar-for-dollar there is nothing that gives as much lasting pleasure and satisfaction...nothing as free from upkeep cost, as an attractive tiled room.

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FOR PANTRY

Practical space savers—
Special equipment for service and storage

Since pantries are filled with a number of things—and such different kinds of things—it takes more than simple shelves and drawers to keep order in this part of the house. With everything from your best soup plates to the tiny nut dishes to be stored, ready for service, you need special cabinets and storage accessories. Here we have sketched several solutions to the most common pantry problems.

For Silver: Flat silver stored in this case is easily accessible. Though it holds 200 pieces, the fabricoid case is light and compact. Sides open back with zippers and the cover has a snap button flap. The lining of Panama Silver Cloth will keep your sterling from tarnishing. Gorham

For Trays and Platters: If you use this vertical filing system for trays and large platters, you eliminate the nuisance and hazards of storing platters on end in back of all the other china on your shelves. The divided rack is removable for easy cleaning. Standard size base cabinet. Whitehead Metal Products

For Plates: Rubber-covered rack holds 60 plates of 5 different sizes (a full dozen plates in each size) in the most practical position for safe storage and easy removal. The best preventative for china chipping and cracking. A Cellophane cover to fit keeps plates dust-free between uses. Lewis & Conger

For China and Glasses: Shrewdly designed for convenient storage and space-saving, these dish and glass racks are similar to the fittings used in ship galleys to keep the china in place. Does away with breakage which comes from piling china one on another. Adjustable rack for plates of different sizes. And rubber-covered rods which may be regulated to take care of cups or stemmed glassware. Available at Hammacher-Schlemmer

For Cakes or Pastry: Borrow a trick from the most deluxe lunch counters and keep your pastry fresh under this sturdy Durenol cover. The baseboard is of highly polished birch, grooved to hold the cover firmly in place; easy to clean. Available in 4 different sizes—6" to 19" diameters. Hammacher Schlemmer
FOR CLEANING EQUIPMENT. If you must literally "make room" for brooms, mops and cleaners, take the back of a door and attach this inch-pinchin Cloidor. It is carefully planned with special clips for long-handled articles, has plenty of hooks for the smaller brushes, dust pans, etc., and a shelf for boxes, cans and bottles. The Cloidor is also available fitted with shelves. All steel in ivory enamel or any other desired color. You can get it from Hammacher Schlemmer.

FOR HOLLOW WARE: Various sized zipper-fastened bags of Pamilla Cloth, impregnated with millions of tiny silver particles which absorb the tarnishing agents from the air and prevent them from reaching your silver. For making special odd-shaped bags or lining silver service drawers, you can buy Pamilla Cloth by the yard. From Gormain.

FOR WINE AND LIQUOR: To keep wine bottles in the proper tilted position (so that the cork will not dry out and the wine spoil), lay down your small cellar in the honeycomb rack of this special cabinet. Revolving tray holds liquor bottles and there is ample room for all drinking accessories. Drawer for cutlery; pull-out cutting board. Standard size to line up with other cabinets. Kitchen Maid.

FOR DISH TOWELS: Where to put the towel rack is a familiar problem in modern pantries or kitchens—there isn't any place for the old three-armed rack which stuck out at all angles. The answer is the four-bar rack which disappears under the sink, taking only five inches in width and nineteen in depth. These chromium bars are very easily installed. From Lewis & Conger.

FOR SOILED LINEN: This tilting bin-type hamper is ventilated so that table and kitchen linen may be safely stored away until it goes to the laundry. This unit, which is a stock Napanees cabinet, will fit right in where it is most convenient in the pantry plan. Extra drawer space for putting away small pieces of dining room linen. Coppes, Inc.

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Dept. A3-20, 33 W. Grand Avenue, Chicago, Illinois

A national organization to improve and extend the use of concrete through scientific research and engineering field work.

THERMOPANE

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Although hardly more than two months old, the year 1940 already promises the introduction of a revolutionary window-insulating unit of far-reaching significance to home owners and builders.

Fresh from the glass industry’s laboratories as a commercially practical product, this unit will be introduced to architects, builders and decorators not merely as an achievement in the insulated glass of ordinary window areas, but as a product which opens the door to a stimulating new era of decoration and design in the home.

Introduced as “Thermopane”, it keeps out cold and prevents condensation on windows by creating a dead air space between two panes of glass, as in ordinary storm sash. This double-glazed unit, however, greatly improves on the storm-sha principle and achieves its insulating efficiency by a newly perfected airtight metal seal by which the two panes of glass are virtually welded or soldered to a separating metal bar. The two panes of glass, forming two walls for dehydrated air, are so bonded that the metal-to-glass seal adherence has a tensile strength of 4,000 pounds per square inch. The units are installed in a single sash.

SOME PROPOSED APPLICATIONS

Application of Thermopane in the home falls into four main groups: 1, for ordinary windows; 2, for “picture windows”; 3, for “window walls”, or any of several methods being utilized to open up solid wall areas; 4, interior partitions.

Used to glaze ordinary window areas, Thermopane offers several outstanding advantages: It provides practical insulating efficiency; reduces or eliminates room-side condensation; requires no seasonal installation or removal; has only two surfaces to be cleaned—just like any conventional single-glazed window. Such units insulate the year round, keeping heat inside in Winter and outside in Summer.

For glazing the larger types of windows, commonly referred to as “picture windows”, or for still larger areas where it is often desirable to have an entire window wall or closely clustered group of windows, Thermopane offers arresting possibilities for decoration. It is possible for the first time to combine insulation with vision. For exterior walls where vision is not necessary or desirable, complete privacy and decorative values can be combined with insulation by installing Thermopane fabricated with any of a variety of figured glasses available in opaque or semi-transparent patterns, thus creating decorative smartness while retaining privacy.

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The average bathroom offers a specific illustration of the possibilities. Where vision can be turned on or off, it was, with Venetian blinds or curtains, an ordinary window area is glazed with double-strength “A” quality window glass, clear or colored plate glass, as desired. The entire exterior wall area surrounding this window can be glazed in Thermopane units of opaque decorative glass in varying large-sized panels, providing a flood of natural daylight through the insulated wall without sacrifice of privacy.

This principle can be applied, of course, on an exterior wall for any room in the house. An interesting variation is suggested by the picture window for a living room. Assuming that the window is glazed with Thermopane of clear or colored plate, a delightful creation of “glass curtains” is possible by glazing two narrow panels flanking each side of the window from ceiling to floor, without resorting to small panels, with Thermopane glazed in opaque decorative glass having vertical ribbed pattern. In a sand-blasted or “satin” finish, the effect of light filtering through fabric curtain material is attained, although insulation is achieved. Such panels can be made to swing outward to provide ventilation. The curtain effect can be further emphasized by installing a glass valance glazed with the same type of decorative glass but with the ribbed pattern running horizontally.

OTHER DECORATIVE EFFECTS

Similarly, entry doors may have a window on each side of decorative opaque or semi-transparent Thermopane, clear or delicately tinted plate glass, installed in long vertical panels. By day, such insulated windows provide more daylight for the vestibule or entry hall, with or without privacy, and at night the interior illumination provides light for exterior steps and lifts the door area to a new plane of dignity and hospitality when viewed from the outside.

To take advantage of the current trend to “light-giving” interior walls or partitions in homes, separating the dining room and living room, or dining room and kitchen, or partitions separating other units of the home, Thermopane makes possible a thrilling new era of decoration.

Where individual room-temperature control is desirable, such as maintaining comfortable temperatures in a room adjoining a bedroom which in Winter is cooled rapidly at night by open windows, Thermopane partitions are ideal. The ribbed patterns of decorative glass serve to definitely reduce sound transmission, either from other parts of the house or from the street.

Such insulating units are planned in panels up to six by eight feet in dimension, so that large expanses of wall areas in a variety of decorative glasses, clear or in color, semi-transparent or completely opaque, can be utilized to avoid the cut-up effect necessitated by small-panel glass.
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Building and Home Equipment

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BURNHAM HOME HEATING HELPS will help you decide which type of heating system is best suited to your needs. It expresses an impartial view of the various types of heating systems and the burning of various types of fuel, Binkman Boiler Corp., Dept. HG-3, 19 West 44th St., New York City.

FACTS ABOUT TILE is an informative new booklet, illustrated in color, containing important information on tile and its varied applications in building and remodeling. Especially interesting are the suggestions on the use of any kind of tile and the fact-filled question and answer pages. Tile Manufacturers’ Association, Dept. HG-3, 19 West 44th St., New York City.

HODGSON HOUSES AND CAMPS, catalog of a manufacturer who has been producing prefabricated homes since the “gay 90’s,” shows photographs, floor plans, prices of attractive ready-to-pull-up homes—and includes camp equipment, garages, kennels and playhouses. E. F. Hotchkiss Co., Dept. HG-3, 110 Commonwealth Ave., Boston, Mass.

WINDOW SCREENS THAT ROLL UP AND DOWN like a shade are the latest in protecting your home from insects. They are guaranteed for 10 years. Better find out about them by writing for the booklet of Rolscreen Co., Dept. 720, Pella, Iowa.

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KITCHENS OF DISTINCTION shows beautiful ensembles of Coppe cabinets, with such clever accessories as Slide-away tables, interior and counter-top lighting, plan desks and efficient storage sections. Only the rich can afford it.

INTERIORS OF GUARANTEED INSULATION is a handsomely bound room—many photographs by a decorator who shows how modern rooms, with walls of insulating, sound-absorbing Celotex, accomplish much more in interior design, for much less. The Philip Carey Co., Dept. HG-3, 1019 N. Michigan Ave., Chicago, Illinois.

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WINDOW SCREENS THAT ROLL UP AND DOWN like a shade are the latest in protecting your home from insects. They are guaranteed for 10 years. Better find out about them by writing for the booklet of Rolscreen Co., Dept. 720, Pella, Iowa.

KITCHENS OF DISTINCTION shows beautiful ensembles of Coppe cabinets, with such clever accessories as Slide-away tables, interior and counter-top lighting, plan desks and efficient storage sections. Only the rich can afford it.

INTERIORS OF GUARANTEED INSULATION is a handsomely bound room—many photographs by adecorator who shows how modern rooms, with walls of insulating, sound-absorbing Celotex, accomplish much more in interior design, for much less. The Philip Carey Co., Dept. HG-3, 1019 N. Michigan Ave., Chicago, Illinois.

A GUIDE TO BETTER HOMES talks by a decorator who shows how modern rooms, with walls of insulating, sound-absorbing Celotex, accomplish much more in interior design, for much less. The Philip Carey Co., Dept. HG-3, 1019 N. Michigan Ave., Chicago, Illinois.

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THE ROOFTREE

"Doof in tomorrow if you can. We are raising the rooftree on your new barn."

The time? Quitting time for the workmen, of course. For though intimates of the family may be welcome, this is primarily a festivity dedicated to beer by those who have actually erected the new building with their hard, skilled hands.

As city folk drift farther and farther into the outlying countryside to reclaim old farm land and build thereon the simple American homes appropriate for country living, they are gaining more than a fine view, fresh air and repos to outdoor exercise.

During the years when metropolitans dwelt almost exclusively in apartments, town houses or suburban "developments", many of the fine old customs of rural living were forgotten. They either died out of the urban consciousness altogether or sunk into a temporary oblivion. The present trend toward an appreciation of traditional ways of life is making city folks aware of the gray ashes for the sparks which still remain.

FIR OR CEDAR — FOR GOOD LUCK

One of the pleasantest and most convivial of these old customs which has recently come out of its long slumber is that of rooftree raising. This celebration, still practiced religiously in the real country, is seldom observed by city people. Now and then, it is true, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means. Passersby, perhaps wondering what the symbol means.

More often nowadays, however, a flag is substituted for the living tree on these mighty monuments to man's ingenuity, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means. More often nowadays, however, a flag is substituted for the living tree on these mighty monuments to man's ingenuity, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means. More often nowadays, however, a flag is substituted for the living tree on these mighty monuments to man's ingenuity, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means. More often nowadays, however, a flag is substituted for the living tree on these mighty monuments to man's ingenuity, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means. More often nowadays, however, a flag is substituted for the living tree on these mighty monuments to man's ingenuity, a new skyscraper in Manhattan or elsewhere is crowned by an evergreen tree fastened to its highest peak. Passersby gaze up curiously, perhaps wondering what the symbol means.

The builders nowadays who are country craftsmen, to whom speed is not the first law and commandment, have been far too clever to let the rooftree ceremony be forgotten among their clients. This is not to say that they are motivated entirely by the gustatory features of the celebration, though these may have their influence.

Rural artisans are self-respecting individuals, and, whatever the evergreen nodding on the ridge may have symbolized back in the obscure days when it was first nailed on a new structure, to present day country builders it is a tacit declaration of their sturdy and lasting craftsmanship, acknowledged by hearty hospitality by the man whose home is being erected.

Since the workmen drink toasts to the new owners in the liquid refreshment provided, the rooftree raising symbolizes good luck for the host.

I have known rural builders to inform the home owner of the approach of the great day and even to explain tactfully to an unsuspecting city man the exact nature of the celebration.

TEMPERANCE ROOFRAISING

Of course such methods sometimes produce unexpected results. An ex-Chinese missionary of my acquaintance listened with apparent compliance to the hints of his head carpenter which included mention of a keg of beer. But when the day came the missionary, who disapproved of alcoholic beverages, gave a Chinese feast and lopped it off by a Chinese firecracker "to drive the devils out of the new house" in true Oriental fashion. The cedar nailed to that ridgepole was little more than a seedling, but perhaps this was a coincidence.

Another "temperance" friend said she was going to serve home-made sarsaparilla at her rooftree raising, but I think she courage failed her at the last minute. In Germany, if no beer party is provided for the men, a broom instead (Continued on page 32)
It is also of great importance to have paint coatings renewed when the need is urgent. The lack of paint where it is needed, can seriously undermine the value of a structure. Did you ever stop to realize the amount of damage that can be accomplished by the destructive forces of weather when surfaces are not carefully paint-protected? Experts estimate that we, as a nation, neglect our property in this fashion to the tune of some six hundred million dollars every year. That’s more damage than is done annually by all the fires in the country put together.

Incredible, isn’t it? Particularly when you consider that what could be saved by renewing paint coatings when it’s necessary, Paint, you see, acts as a guard against weather. Paint which is made for exterior surfaces is composed mainly of pigment and oil and, when it is applied, forms a metal-like shield.

If painting is delayed when it’s needed, you aren’t, incidentally, saving money. Procrastination may necessitate expensive preliminary jobs—jobs such as the replacing of siding, flashings and downspouts. During the delay, the old coating may curl, crack or flake. If it gets in very bad condition, the whole surface may have to be burned off.

**DANGER SIGNALS**

How can you tell when repainting is needed? For one thing, check up on your last paint job. How long has it been since it was completed? The lifetime for an outdoor paint job is usually four years—rarely more than six. Inspect the outside of your home carefully. If the gleam has gone out of the paint, if the surface is dry and chalky like and there are places over the coating has washed off altogether—it’s high time to call for the painter. Just as you can have a healthy respect for a paint’s ability to safeguard your possessions, so can you take off your hat to the earnestness of the paint manufacturers in constantly striving to improve their products. In the last two decades radical changes have been made in the paint business. The development of quick-drying coatings for automobiles was one of the first. But that was only the beginning of intensive research. Manufacturers who have been bringing their materials from New Zealand, from the Congo, from India and from Manchuria now turned to the chemists.

“Give us,” they begged, “substances for resins and oils and earth pigments that will free us from our dependence upon such uncertain supplies of oil. Give us materials that will make our products better than the present ones.

**OUT OF THE TEST TUBE**

The chemists went to work. Hundreds of synthetic resins were produced—phenol aldehyde, coal tar, alkyd, vinyl. These made varnishes and enamels more durable. New pigments were produced chemically—among them titanium, zinc sulfide and the organic lakes. The earth was ransacked for new oils and laboratories were charged with the task of finding new ways to combine them. The use of tung oil was increased. Tung trees were planted in China to insure a supply for our future. Oiticica oil was discovered in Brazil. Casein and other water paints were improved and their uses multiplied.

Out of all this diligent research, testing and re-testing, have come complete paint products—products specially prepared for special purposes—so that all owners of property may better protect and beautify their possessions.

“That’s very interesting,” you say. “How shall I know that paint chemists are constantly at work, striving to improve colors, extend the lifetime and durability of coatings and to facilitate application. But how can I best get the benefit of this research—how shall I know what paints to buy?”

**HOW TO BUY PAINT**

First of all, be sure to specify to your paint dealer exactly how and where the paint is to be used. Then he will know what conditions the coating will have to face and will be able to suggest the type of material best suited.

Obvious, of course, is the unsuitability of a velvety flat paint, prepared for wall surfaces, for a floor. The flat paints beautify wood, wallboard or plaster surfaces and reflect the light that shines upon them evenly—without glare. The ingredients of a floor paint must enable it to fulfill an entirely different mission, to take a whale of a lot of punishment—the grind of pounding feet, the scuff of heavy furniture.

While the wall paints that give a non-glare finish are extremely desirable in most rooms of the house, they are unsuitable for bathrooms and kitchens. In one kitchen seen recently, the wall had been coated with a buff-toned flat paint. Grease splatters from the stove made a splendid eyesore of one wall—they had sunk into the pores of the plaster and could not be washed off. A gloss paint—enamel or varnish—should have been used here, as the surface of this type of coating would not have absorbed the grease and could have been washed off many, many times. Gloss paints should also be used.

(Continued on page 50)
BOOKLETS

CONTINUED FROM PAGE 46

YOUR ANSWER TO ANY WATER PROBLEM is an eye-opening booklet which tells, in simple words and pictures, the advantages of softened water for health, beauty, and cleanliness, and describes the system which will accomplish this. The Permutit Co., Dept. HG-3, 330 West 42nd St., N. Y. C.

WHY PEOPLE LIKE Concrete Homes speaks volumes for houses built of concrete. It shows 38 livable homes—both traditional and modern—designed by well-known architects. If you're about to build, you'll find the floor plans and construction details helpful and usable. Portland Cement Assn., Dept. AJ-20, 13 W. W. Grant Ave., Chicago, Ill.


THE DOOR TO A NEW LIFE is an illustrated story of the Shepard Homelift, easily installed in any home, operating on any lighting circuit. Shepard Elevator Co., Dept. HG-3, 2429 Colfax Ave., Cincinnati, Ohio.

VIEWED FROM EVERY ANGLE... is a conscientious study of installation and operating costs of different types of heating and air conditioning systems—showing how Hoffman fingertip controlled thermostatic unit gives "better heat at less cost". Hoffman Specialty Co., Dept. HG-3, Westchester, Conn.

HOW TO MODERNIZE AND MAKE IT PAY is a booklet which contains many interesting ideas for extra rooms, more modern kitchens, porches, more closet space, which can make your home worth more. Send 25c to United States Gypsum Co., Dept. HG-3, Waterbury, Conn.

THE RISE OF WEDGWOOD tells of the beginnings of the famous Queen's Ware, Black Basalt and Jasper Ware—and the story of the master potter and his family. In a pocket at the back, there are loose-leaf color illustrations showing a number of the most prominent patterns. Send 10c to Wedgwood & Sons, Dept. HG-3, 162 Fifth Avenue, New York City.

THE BRIDE SELECTS Her Table Silver answers dozens of questions: "What pieces of flat silver do I need first?" "Can I buy one piece at a time?" "What is the etiquette of marking silver?" "How much does engraving cost?"—and many others. Lux Lyndsmiths, Dept. M-3, Grenville, Mass.

WHY PEOPLE LIKE Concrete Homes speaks volumes for houses built of concrete. It shows 38 livable homes—both traditional and modern—designed by well-known architects. If you're about to build, you'll find the floor plans and construction details helpful and usable. Portland Cement Assn., Dept. AJ-20, 13 W. W. Grant Ave., Chicago, Ill.

TERMINIX INSULATION is a booklet every home owner should read, to discover the tricks that termites play—how to detect their destructive work—and how to insulate against them with a chemical system that carries a 5-year guarantee. Terminix, 1714 Thomas St., Memphis, Tenn.

Silver, China, and Glass


There's no mystery about it—all you want is COMFORT, air tempered to your desires, humidified to the ideal healthful point, filtered to dust-free mountain-top purity, circulated effortlessly and quietly. You want these conditions consistently MAINTAINED without attention, and with greatest ECONOMY in fuel. And while it is surprising how easily and simply a well-designed unit can give you these services, there is no mystery about it.

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Presenting TWO OUTSTANDING INNOVATIONS VENETIAN BLINDS EQUIPPED WITH The Multi-Bracket

A Combination Bracket simultaneously holding Venetian Blind, Draperies and Cornice. Decorating your window no longer requires three or four separate installations. The Multi-Bracket, simple to attach in one operation is adaptable to a variety of combinations, such as Drapery and Cornice, Blind or Shade and Cornice, etc., effecting a major saving in cost and materials, labor and inconvenience.

"E-Z Sticken Tape"

A colorful facing for Venetian Blind Tape. An adhesive backed ribbed tape in a selection of twenty charming colors, which can be instantly attached by simply pressing against the regular tape. Used to cover soiled tape or to harmonize with a new scheme of decoration. Soft and lustrous in finish and appearance, permanent if desired or easily removable for instantaneous color changes.

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2 HOME & GARDEN

Which

AIR CONDITIONING

in your new home?

There's no mystery about it—all you want is COMFORT, air tempered to your desires, humidified to the ideal healthful point, filtered to dust-free mountain-top purity, circulated effortlessly and quietly. You want these conditions consistently MAINTAINED without attention, and with greatest ECONOMY in fuel. And while it is surprising how easily and simply a well-designed unit can give you these services, there is no mystery about it.

The FITZGIBBONS DIRECTAIRE CONDITIONER is that kind of unit. You can see any part of it, get at any part of it, check up on why it is found today in so many fine new homes. We invite you to do this in the showroom of the nearest Fitzgibbons dealer, or through the pages of the pocket-size, interesting booklet "I'm going to air condition my home!". Remember, you're buying ECONOMICAL COMFORT. Ten minutes with a Fitzgibbons Director will show you how to buy it wisely.

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Name ____________________________
Address ______________________________________
for bathroom walls because of the frequent presence there of steam.

For Outdoor Use

The type of coating suitable for furniture that is to be kept indoors would not be suitable for garden pieces. Coatings prepared for use outdoors on brick and stucco surfaces would not do for interior woodwork, etc. To get best results, it's important, you see, to use the material prepared for the particular purpose.

For reference, here are some of the various types of coatings and a listing of the purposes for which they are produced:

EXTERIOR HOUSE PAINT. For all wood, stucco, brick and iron exposed to the elements. When reinforced with spar varnish, it may be used for garden furniture, hand rails, etc.

CEMENT BASE PAINT. For use on exterior and interior masonry surfaces—good for damp areas.

CEMENT PAINT (Floors). For cement floors that are dry and properly aged. If cement is still green, a special neutralizer is required before application of finishing coat.

PORCH AND DECK ENAMEL. For wood porch floors, cement floors (if dry and properly aged) and all surfaces requiring a hard, abrasion-resistant finish which does not chalk readily.

BITUMINOUS PAINT. For waterproofing below grade or as roof coating.

METAL PRIMERS. For all metal work—interior or exterior—where resistance to corrosion is a factor.

WATERPROOFING COMPOUND. Colorless coating for exterior masonry.

FLAT PAINT. For interior wall surfaces and, when reinforced with varnish, as an enamel undercoater.

SEMIGLOSS OR EGGSHELL PAINT. For walls and woodwork.

FULL GLOSS ENAMEL. For walls and woodwork of kitchens, baths, laundries. Also for furniture.

CASEIN PAINT. For interior plaster and masonry.

CALCULINE. For interior wall where water resistance is not a factor.

PLASTIC PAINT. For textured finishes on interior surfaces.

STAIN. Varnish stains for floors and wood trim, furniture and small miscellaneous articles. For shingles, some stains containing creosote—others without creosote which contain colors in oil reduced with thinner and drier.

VARNISH. (Interior). For floors, wood trim and furniture.

SPAR VARNISH. For use outdoors on garden furniture, on porch floors and on all wood and metal requiring a clear finish. Also for drainboards.

SHELLAC. For floors. As a sealer for new wood before painting and as a clear finish for miscellaneous articles.

(EDITOR'S NOTE: HOUSE & GARDEN acknowledges the assistance of the National Paint, Varnish and Lacquer Assn. in the preparation of this article)

LIGHT CONTROL

(CONTINUED FROM PAGE 27)

House & Garden makes the following acknowledgements:

Page 26, top left, architect, John L. Volk, Gottschotphotograph; top right, John Ekin Dunwiddle, architect, Esther Born photograph; bottom row, reflector diagrams, courtesy of General Electric.

Page 27, top left, George Fred Keck, architect, picture courtesy Libbey-Owens-Ford; top right, obscure glass types, courtesy General Electric; also bottom center, ceiling luminaires.

Page 27 center group, left, Edward D. Stone, architect, Gottschot photograph; center, courtesy Stevens Hotel, Chicago; right, Kenneth Kassler, architect, Damora photograph. Lower right corner, courtesy Koolshade.

Avoid Stairway Hazards

by installing a Shepard HomeLIFT. It will take you up and down at the touch of a button. No effort, fatigue, or strain; a boon to older folk and invalids.

The HomeLIFT is the patented, automatic home elevator that operates from electrical lighting circuit at less than a cent a day. Simple—SAFE—moderate cost, easy terms. For new and old homes. Hundreds in use. Write for booklet.

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Dear Shepard:

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Do you know that Home Remodeling may pay for itself

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Just a few pages of this new book can show you how you may profit by modernizing your home—make it by reducing upkeep and operating cost, by increasing value, by receiving a higher rent or by refinancing to your advantage!

Of course, no one needs to tell you the added comforts and conveniences you and your family will enjoy after your house is remodeled. But, with the information in this book you can find out whether you can afford to remodel. Perhaps you can have the home improvements you want, now!

Ideas, Too

"How to Modernize and Make It Pay" contains many interesting ideas for extra rooms, more modern kitchens, porches, more closet space, etc., to make your present home worth mom! After your house is remodeled. But, about the added comforts and conveniences you and your family will enjoy.

Perhaps you can afford to increase value, by receiving a higher rent or by refinancing to your advantage!

Southwestern Homeowners

300 West Adams Street,

Chicago, Illinois

[Image]
BOOKLETS (continued from page 49)

HOW TO PLAN YOUR WEDDING AND YOUR SILVER is a veritable "life-saver", with its gettings of things to be done in the last three months before a wedding. It shows some of Towle's loveliest patterns in sterling. Send 10c, The Towle Silversmiths, Dept. X-3, Newburyport, Mass.

HOBNAIL GLASS. THE PERENNIAL FAVORITE of early Americans, is being reproduced from original molds by Duncan. It adapts itself beautifully to almost any decorative motif. Write for folder to Dept. HG-240, Duncan & Miller Glass Co., Old National Turnpike, Washington, Penn.

SPODE'S LOWESTOFF is a fascinating brochure on the origins of this heirloom china of the past—and the future. It pictures many of the old patterns that are enjoying a revival today. Ask for booklet 38, Copeland & Thompson, Inc., 206 Fifth Ave., N. Y. C.

THE ROMANCE OF DIRILYTE introduces the lustre of gold to today's tables in a new solid metal of rich color and plebeian simplicity, that comes in flawtare to complement period or modern settings, and hollower designs of distinguished simplicity. American Art Alloys, Inc., Dept. HG-3, Kokomo, Ind.

ALVIN offers folders on the newest patterns in silver, with a price list that helps you plan your flatware service. There's one on Mastercraft, Bridal Bouquet, Maritime and Chased Romantic. Alvin Silversmiths, Dept. HG-3, Providence, R. I.

ACHIEVEMENT is a little history worth reading—a story of the potteries that make fine Syracuse China. It tells of their pioneering in perfecting the manufacture of the vitreous, strong type of tableware known as "American China." Oneonta Pottery Co., Dept. HG-3, Syracuse, N. Y.

CABIN CRAFTS NEEDLEPOINT BEDSPREADS. This descriptive price list catalogs many patterns available in Cudlewicic, Needlepoint, Feathertuft and Chenille, with a special section on "Needlepoint Heirlooms," the authentic reproductions and adaptations of classic bedspreads. Cabin Crafts, Dept. HG-3, Dalton, Ga.

THE NEW MERRIAM-WEBSTER And What It Will Do For You tells all about the new Merriam-Webster dictionary and when and how to use it. It also reproduces illustrations and definitions from the book itself, dealing with electricity, history, physics, the professions and general subjects. G. & C. Merriam Co., Dept. 372, Springfield, Mass.

EARLY AMERICAN TOILETRIES is a charming little catalog of toiletries of Colonial inspiration—soap, bath powder, toilet water and perfume redolent of Old Spice—packaged in Early American gift boxes. Shultzen, Inc., Dept. HG-3, 630 Fifth Ave., N. Y. C.

FLOWER ARRANGING—A FASCINATING HOBBY—is one of the most imaginative, helpful, and beautiful booklets in a long time. Fifty-six pages in gorgeous color of fairy-like flower arrangements will inspire you to try some new ideas yourself. Send 10c, The Coca-Cola Co., Dept. X, Atlanta, Ga.

HOW TO JUDGE QUALITY in Bath Towels tells you how to detect loosely woven under-texture—how to size up sleekness at once by the simple slip and rumble tests! It gives some surprising facts about color—and adds notes on the quality points of closely woven Mar­teen fabrics. Shultzen, Inc., Dept. HG-3, 65 Worth St., N. Y. C.

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(continued from page 47)
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