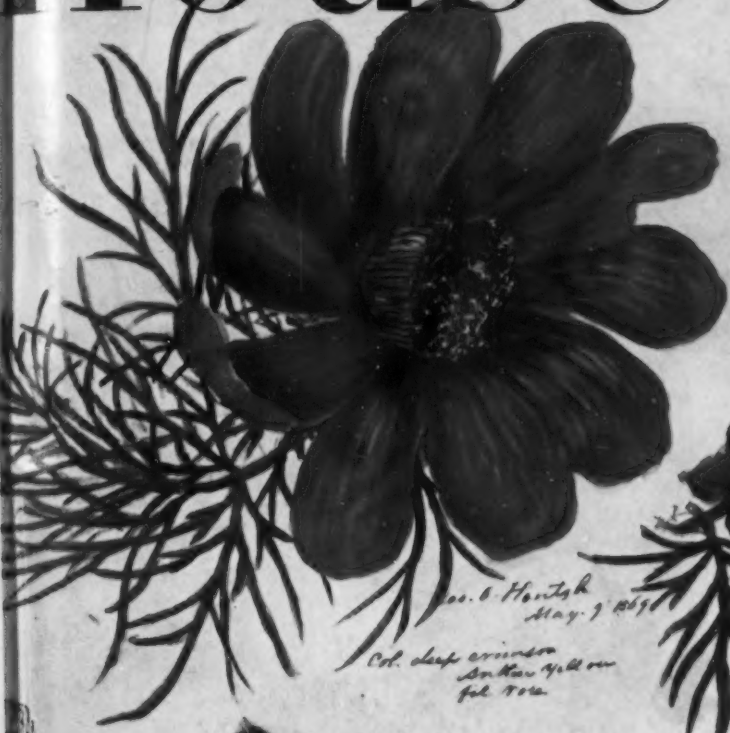


FINE ARTS DEPT.
STACK

House & Garden

194



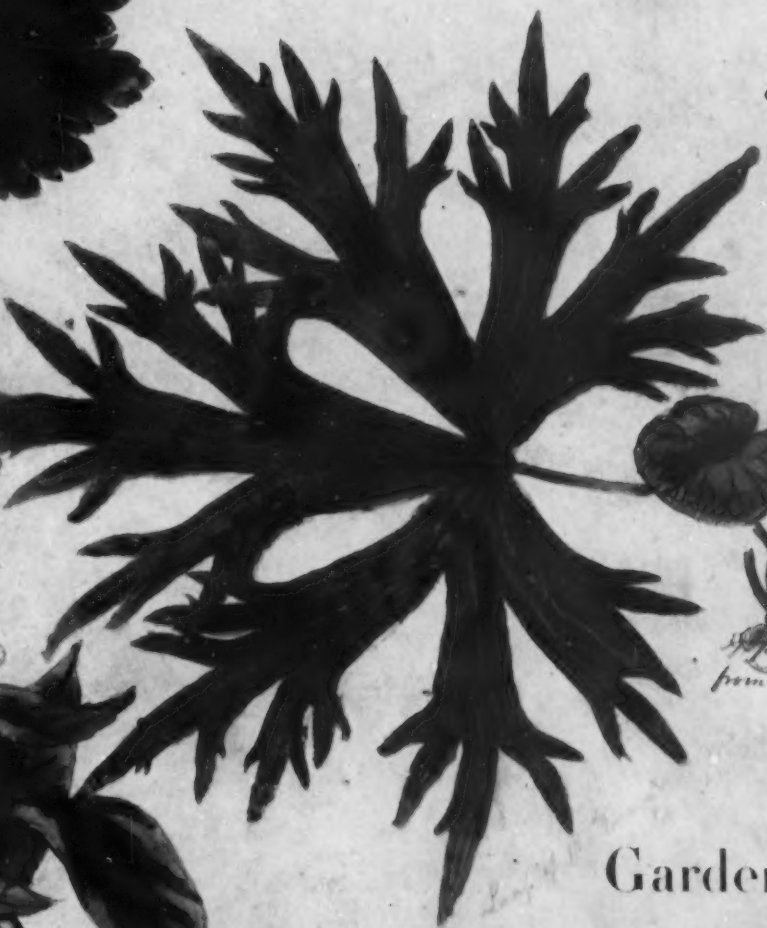
Col. dark crimson
San Francisco
Feb 1904



Rose double & Rose Col.
Pomona June 10 1876



Very common
Panicum sp. very double flower by culture
in the double garden May 29 1870.



golden eye

Piscaria grandiflora
from Ficus a fig. - in reference to
fig shaped like lobes.
I. verna, Spring - yellow.
I. palida - pale
I. plena - double flowered.

Panicum californicum B.
Excellent for my
sibola. used by some
the Factor to treat
a article of food
and in tea, also

Gardeners' Guide
Saving Ways

★ January 1948 Price 50 Cents



FORECAST: *Sudden shower*

The alarm has rung itself out, the eggs are cold, and the commutin' train is puffin' on down—so what else is a gal to do? Hit the deck, fellow!

Tear yourself from the smooth, soft bosom of those Pacific Sheets. We know it's tough. In fact, we deliberately make Pacific Sheets just *so* soft, *so* white, and *so* invitingly

smooth that you slip into serene slumber almost on contact!

Pacific Sheets are made the *balanced* way: luxury qualities in perfect balance with service qualities. They come in several grades, to meet every household need from nursery to guest room. See them at better stores. Just ask for Pacific Balanced Sheets next time you shop.

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BALANCED
PACIFIC
SHEETS

YES, IT'S "GOOD-BY FOREVER" TO GARBAGE!




DISPOSALL
 DISPOSALL MEANS
 GOOD-BY TO GARBAGE
 AUTOMATICALLY!

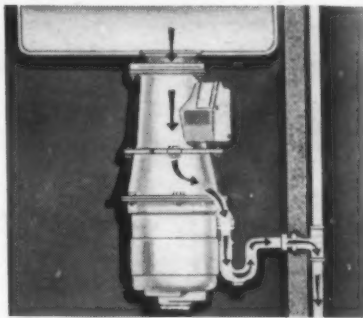
● New kitchen marvel, The General Electric Disposall,* shreds all waste — washes it down the drain



Imagine! Your home rid of garbage forever. A cleaner, more healthful, more sanitary home!

Imagine! Countless footsteps saved each day — with food waste disposed of *immediately*, right in the sink, before it can become odorous, harmful, pesty garbage!

Just see — in these pictures — how simply, efficiently the Disposall works . . . once you've scraped all food waste, even rinds and bones, into the drain.



1. Out of sight, under the sink, the Disposall looks like this. A simple appliance that fits most any sink, it has a capacity ample for food waste from any one meal for an average family.



2. Protecting cover on sink drain is locked with a twist to the left, *once waste is scraped into drain opening.* Notice openings in the cover, for clean, flushing water to enter the Disposall as it works.



3. Turning on cold water automatically starts Disposall. Food waste is shredded into tiny particles, flushed into sewer or septic tank.



4. Disposall's swirling action helps keep drains clean. It's the modern, easy, sanitary way to dispose of all food waste in your home.



5. You'll agree with Disposall users who say: "It's my favorite kitchen appliance." "I would never give it up." "It saves me 32 minutes a day." "Perfect."

NOTE:

For the perfect laborsaving combination, the Disposall can be teamed up with a General Electric Dishwasher in a complete Electric Sink! General Electric Company, Bridgeport 2, Conn.



DISPOSALL

*General Electric's registered trade-mark for its food-waste disposal appliance.

GENERAL  ELECTRIC

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ALL FINE COMBED YARNS

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 so smooth,
 so **finely woven...**

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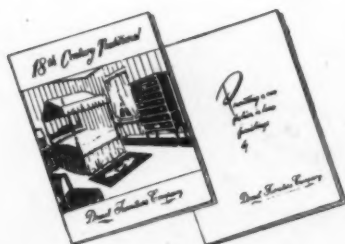
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Wants!

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Designed by LeDonne

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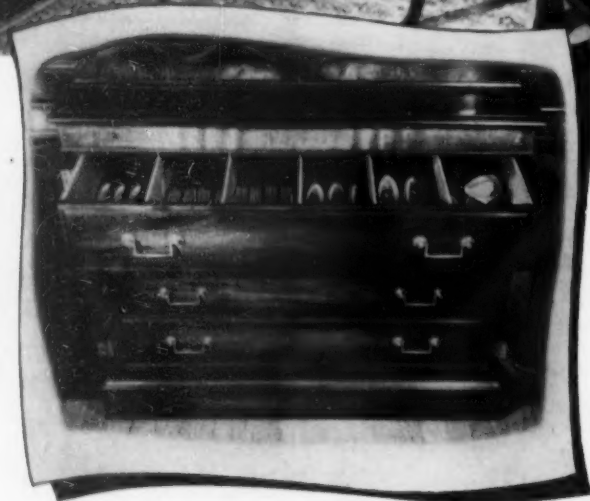
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The Book of

FURNITURE & DECORATION

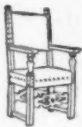
Period and Modern

PREPARED BY JOSEPH ARONSON, WITH MORE THAN 200 MAGNIFICENT FULL-PAGE PHOTOGRAPHS AND NUMEROUS DRAWINGS

ONE of America's leading decorators tells you, in this large and useful book, the things you wish to know in order to enhance the loveliness of your home. Since our first listing of this book among the "recommended books" in the Book-of-the-Month Club News, many thousands of members have asked us to obtain copies for them. Among the scores of books listed over the past year none has been in more persistent demand. That is why it is now being offered—to new members—who may also want to beautify and add

to the attractiveness of their homes. This book mentions literally hundreds of useful, practical and economical hints and suggestions. Period and modern furniture are expertly described, and you are shown how to identify and use all of them. Dozens of clear sketches and full-page photographs also illustrate the latest ideas on furniture and decoration of the great experts of today. There is basic information, too, about mixing paints, matching colors, selecting fabrics, wall and floor coverings, and many other subjects.

A Partial List of Subjects Covered



The source of each classic and contemporary furniture design from early Renaissance to the Modern schools.

How to identify and use the furniture of each Period.

The factors to consider in deciding upon a decorating treatment for your home.

The materials used in decoration, and how to choose them. Furniture woods and wood finishes. The use of other furniture materials, including willow, wicker, fibre, plastic, etc.

The selection of plain and figured fabrics, leathers, etc.

How to choose and display decorative objects, pictures, sculpture, screens, musical instruments, living plants, etc.

How to plan your color schemes room by room; how to combine colors properly.

How to handle the lighting problem, from practical and artistic standpoints.



How to decorate windows; arrangement of draperies, window boxes, etc.

The function of every room in your house, and how to fit your decorative pattern to an over-all plan.

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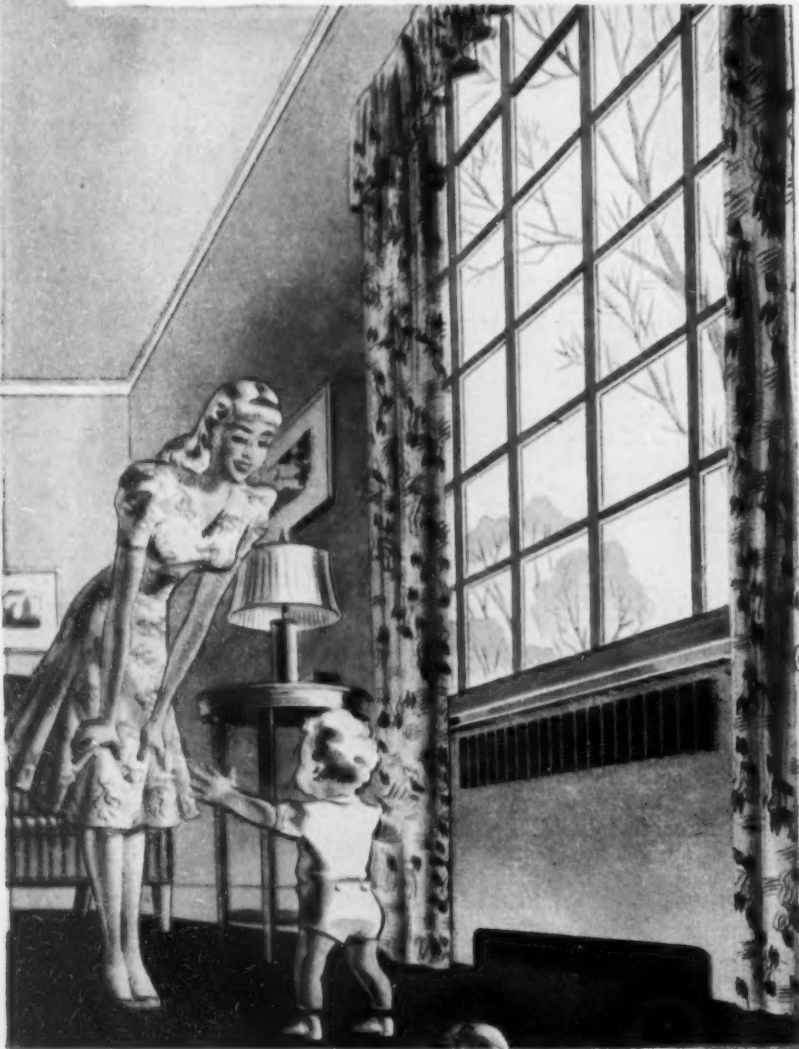
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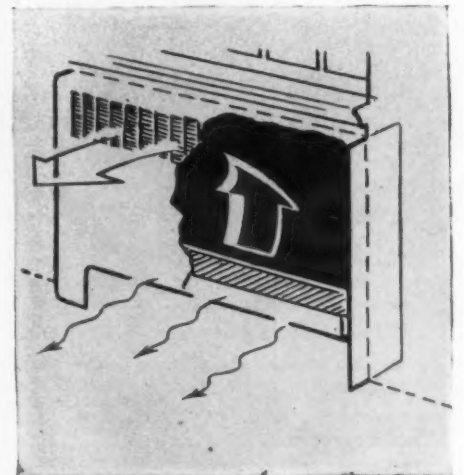
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For years, those who could afford the finest in heating have enjoyed the delightful comfort of custom-built Trane Convactor-radiators. Now even the most modest home can share in this pleasure. New production methods and quantity manufacture make Trane Convactor-radiator systems available at a cost less than any other hot water or steam heating system.

The introduction of the Trane Convactor-radiator foretold the end of the old-fashioned radiator. Here is a system that combines the natural warmth of convected heat with just a touch of sun-like radiant heat. Added to that is all the decorative freedom of concealed heating plus an ease and speed of control and response that far surpasses other heating methods.

**HOW TRANE CONVECTOR-RADIATORS
FUNCTION**

Inside the cabinet of the Trane Convactor-radiator is a light-weight aluminum and copper heating element. This modern element heats volumes of air quickly and gently, causing it to flow from the unit, eliminating cold spots around windows and circulating throughout the room. To the snug, cozy feeling resulting from this warmed air in motion is added just the right amount of radiant heat. Trane Convactor-radiators may be individually regulated at the touch of a finger. No other heating system gives you this ideal combination of perfect heating, fast response, and proved fuel economy—and no other heating device so effectively releases heat at the exact point where heat is needed most.



NOW YOU CAN HAVE THIS IDEAL HEATING

With Trane Convactor-radiators you have every advantage you want from heating—yet installation is simple, automatic control is exact, and decoration is easy. For more information about the new Trane Convactor-radiators, and where they may be secured, send a post card to The Trane Company, for Booklet H4, "How to Live in June All Winter."

TRANE
Convactor-radiators

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The smooth rounded corners of Trane Convactor-radiators have no sharp edges. The gentle radiant and convected heat can't harm fine furniture or draperies.

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The sturdy steel cabinets of Trane Convactor-radiators are designed to resist even willful abuse. The "lifetime" metal heating elements give years of care-free service.

Which of These Books Can Help You to a BETTER HOME and BETTER LIVING?

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Written and Illustrated by Grace E. Schaeffer

Home-made dolls have an irresistible appeal all their own—perhaps because so much love and effort is put into their making. Grace E. Schaeffer, the author, has been making (and collecting) dolls for many years. Her dolls have given delight to young and old. In this new book, she tells you simply and exactly how to make your own dolls—and also clothes, accessories and furniture. Here are directions for making: Beanie Babies; Pink Rabbit; Paper Dolls; Susie Sock; Quilted Quince; Corn Husk Dolls and Animals; Apple Grandma; Doll-Home Dolls; Princess Ann Elizabeth; Rose-Mary and Mary-Rose (two-doll-in-one); and many more. Full size patterns are provided. Careful drawings show each step of the making as well as the finished doll. The directions are so clearly given and the patterns so simple that children can follow them, yet from the same book, dolls can be made to sell successfully in shops. Little girls are thrilled and wide-eyed, big girls give them the honor spot on their dressing table and collectors add them to their collections. The author devotes a complete section to DOLL COLLECTING, and includes photographs and descriptions of famous dolls, collections and museum rarities. Also ideas and instructions for the making of Doll Clothes, Miniature Furniture, Doll Houses, etc. Advice on Doll Display; information on Selling Dolls, etc. This is probably the most complete book on Doll-Making ever published.

Price \$2.50



Children will use and love this book to play by themselves—and parents in need of inspiration for rainy days will find it a goldmine of suggestions!

Fun for a Rainy Day

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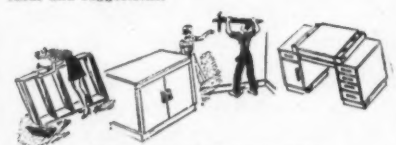
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7 Calendulas with a few buds
Only one Gladiolus
stalk with five leaves

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Gardening

"Gifts from Your Garden" contains cooking recipes from all over the world. These are designed to bring out the full flavor of garden-fresh vegetables, and are easy to follow, good to eat. You'll enjoy them more, because you can grow the ingredients. Associated Seed Growers, Inc., HG, New Haven 2, Connecticut.

Golden Century, a beautiful new giant zinnia that looks like pure gold, is described in "Everything for the Garden." The flower has rich coloring, long life on the stock, and adds beauty to your house and garden. The catalog itself contains notes on new vegetables, flower seeds and plants, horticultural procedures, tools for gardening. Peter Henderson & Co., Dept. 36, 35 Cortlandt St., New York 7.

The Solar Greenhouse enables you to double your garden pleasure by providing fresh flowers all year around. This greenhouse is 14' wide, comes in any length in sections 8' 7" long. Materials are cut-to-fit, easy to erect. Lord & Burnham, Dept. H, Irvington, N. Y.

Kellogg's "Garden Beauty Book" contains 32 color pages and features. "Frosty," a new white carnation, is shown on the front cover. "Honey Chile," a new azaleamum, is also shown as are gardenias, double Russian violets, shrubs, vines and trees. R. M. Kellogg Co., HG 1, Three Rivers, Mich.

A Rose Catalog of 48 color pages shows hybrid tea roses, floribundas and climbers. Unusual pages feature tree roses and those for special purposes. Scenes from the new J. & P. Rose Garden, opened to the public last June, are presented in black and white. The Pink Delphinium is again available and there are pages on rose sprays, rose dust and fertilizer. Jackson & Perkins Co., HG 1, Newark, New York.

"Garden Gems" has hybrid tea roses, novelties, floribundas and new rose selections. There are hardy perennials, chrysanthemums, delphiniums, phlox and azaleas. An index aids shopping and complete descriptions are given. Bobbink & Atkins, HG 1, East Rutherford, New Jersey.

"Star Roses," a 40-page catalog, presents Grace Moore, Golden Anniversary and Anna Marie, three new rose varieties. The AARS award winners are pictured, including the two-year-old favorite, "Peace." Garden chrysanthemums, English mums and early-flowering greenhouse varieties are among other selections. The Conard-Pyle Co., HG 1, West Grove, Pa.

Flowerfield's 1947 Spring Catalog comes in two volumes: one is for seeds, the other contains a complete listing of bulbs, roots and plants. Cultural directions and horticultural hints will help you have a lovelier garden. 10c. Flowerfield Bulb Farm, Dept. 10 A, Flowerfield, Long Island, New York.

The Armstrong Book contains a plant guide for varying climates and a list of supplies designed to make your garden better than ever. Citrus, fruit and nut trees, berries and vegetables are described and illustrated. Champion

roses, camellias, shrubs, vines, perennials appear and an index is included. Armstrong Nurseries, HG 1, 401 No. Lemon Avenue, Ontario, Calif.

"California Sets the Fashion" and presents the "Mission Trio," three new rose varieties. Violets, begonias, delphiniums and gladiolus are among many garden favorites which appear in this book. California bulb specialties and flower seeds are illustrated. Germain's, Dept. H-1, Los Angeles 21.

The Wayside Book includes new hardy plants, roses, phlox, fruit, bulbs and shrubs. Cultural notes and planting charts are complete enough to be used as landscaping guides, and actual color photographs help you to visualize your garden in spring. Garden accessories are described and the complete text aids both neophytes and initiates. 50c. Wayside Gardens, HG 1, Mentor, O.

"Vaughan's Gardening Illustrated" presents 265 flower varieties in full color and contains cultural notes designed to be of invaluable aid to amateur gardeners. Golden Rocket Sweet Corn, an early maturing hybrid, and a Tomato Giant Tree are also available. Vaughan's Seed Store, Dept. 81, 10 W. Randolph St., Chicago 6, Ill.

"Sweet Peas and How to Grow Them" tells about Cuthbertson Sweet Peas. These flowers, introduced last year, have won a Gold Medal and six other awards from the Scottish Sweet Pea Society. They are characterized by vigorous vine growth and large fragrant blossoms, and have high resistance to heat. Ferry-Morse Seed Co., HG 1, Detroit 31, Michigan.

Rhododendrons, dwarf fruits and an upright yew hedge are featured in Kelsey's catalog. Rules explain how and when to plant. Among other features are narcissus, tulips, irises, peonies, and there is a plan for a balanced home orchard. Kelsey Nursery Service, HG 1, 50 Church St., New York 7, New York.

A Fruit Catalog shows Stark apples, Elberta peaches, cherries, berries and plums, brilliantly displayed. This horticultural guide has planting instructions, and there is an analysis of bearing characteristics, a special section on flowers and trees. As an additional feature a landscape guide and fruit-garden planting guide are offered. Stark Bros., HG 1, Louisiana, Mo.

"Guide to Better Gardens" displays hybrid tea roses on the front cover. This 48-page book has 32 color pages showing roses, tree roses, new perennials, fruits for home gardens, vines and shrubs. Grass seed and lawn-garden accessories are illustrated and described.

Hardy garden lilies appear on the back cover. Goldfarb, 166 E. 57th Street, New York 22, N. Y.

Totty's Spring Catalog is filled with full-color illustrations, suitable for framing. Novelty introductions, chrysanthemums, roses, hardy perennials, vines and shrubs are pictured and described. Index and cultural notes are included. Totty's, HG 1, Madison, N. J.

Kitchens & Laundries

"The Kitchen Your Home Requires" is an easy-to-follow guide to kitchen planning. Blueprints are shown as are kitchens in color. Each unit is well illustrated and there are plans for kitchens requiring heat, of special interest to people who live in rural communities. 10c. Malleable Iron Range Co., HG 1, Beaver Dam, Wis.

"Guide to Easy Ironing" by Betty Crocker is a real first-nighter, and starts off back stage with such props as starching, hanging and dampening rules. Ironing accessories to set the stage are shown, and in the dress rehearsal a few suggestions for easier ironing are listed. Instructions to the amateur and star performer—you are one or the other—are listed and then the curtain goes up on ironing techniques. Between acts you may want to sit down and relax, and there are even suggestions for that. This is really an educational show, and one you shouldn't miss. 15c. General Mills, Inc., HG 1, 400 2nd Ave., Minneapolis 1.

Food & Wines

Martha Washington's Recipes, just as she wrote them, are the subject of an unusual booklet, "Leaves From The Table of George and Martha Washington." For easier interpretation, The Taylor Wine Company has prepared exact measurements for the recipes, but you'll enjoy deciphering the handwritten instructions, and trying other fine recipes. Taylor Wines are illustrated and described. The Taylor Wine Co., HG 1, Hammondsport, N. Y.

Decorating

"Guide to Good Furniture" tells about traditional styles and techniques. Illustrations point up the text. Care of furniture includes many fine points not ordinarily covered. A history of 18th-Century French and English styles and an album of furniture of these origins is included. 25c. Baker Furniture, HG 1, 10 Milling Rd., Holland, Mich.

K-Veniences eliminate the overload in your closets and four illustrations show you how. Closet accessories are pictured, prices and descriptions included. A page gives a partial list of

stores throughout the country which carry *K-Veniences*. Circular K-946, Knappe & Vogt Mfg. Co., HG 1, Grand Rapids, Michigan.

Pacific Silver Cloth is described in a little folder. For lining silver drawers, storing hollow-ware, or making your own silver wrappers, this cloth is one of the best of silver protectors. The cloth contains a silver compound which keeps your fine pieces free of tarnish. Directions tell how to make bags for silver. Pacific Mills, HG 1, 217 Church St., New York 13, N. Y.

"Scenic Wallpapers" shows nine designs and describes how scenics are applied and used. A little chart gives wallpapering data. "Give Your Walls Color and Personality" is a second little booklet which illustrates wallpaper borders and includes several decorating hints for the various rooms of your house. Both booklets available for 10c. The Schmitz-Horning Co., HG 1, Cleveland 8, Ohio.

Heating & Insulation

"Comfort that Pays for Itself" describes Rock Wool and diagrams critical areas into which insulation should be blown. Rock Wool is fire-proof, cuts down on heat loss, and is easy to install. Johns-Manville Corp., HG 1, 22 East 40th Street, New York 16.

Selecting a Heating System shows how to determine heating requirements. The central heating plant, automatic heating, and air conditioning are discussed, equipment shown. Crane Co., HG 1, 836 S. Mich. Ave., Chicago 5.

Heating by coal, gas and oil, with radiators and convectors to distribute the heat, is described in American Standard's publication. Heating accessories, winter air conditioners, and plumbing accessories are illustrated in color. Bathroom and kitchen arrangements and equipment are shown. American Radiator & Standard Sanitary Corp., HG 1, P. O. Box 1226, Pittsburgh 30, Pennsylvania.

"Live in June All Winter" with Trane convector-radiators. The units blend with the decorative schemes of your rooms, clean easily, install readily. Color photographs illustrate and construction notes elaborate features. The Trane Co., HG 1, La Crosse, Wis.

Textbook for consumers and scholars is "Automatic Control of Radiant Panel Heating." The theory of controls for panel heating is the subject of the first part of the book. Functions, requirements and mathematics of heating are discussed. The later chapters deal with application of controls—electrical and pneumatic—to panel heating. \$1. Minneapolis-Honeywell Regulator Co., HG 1, Minneapolis.

Electresteam, the portable electric steam radiator, is made of lightweight steel, finished in baked enamel. It operates on AC or DC current, comes with a handle for carrying. A gadget folder shows a thermograph check chart complete with actual thermograph, that enables you to note the temperature differences within any room, and is an aid to proper placement of auxiliary heating. 10c. Electric Steam Radiator Corp., HG 1, Paris, Kentucky.

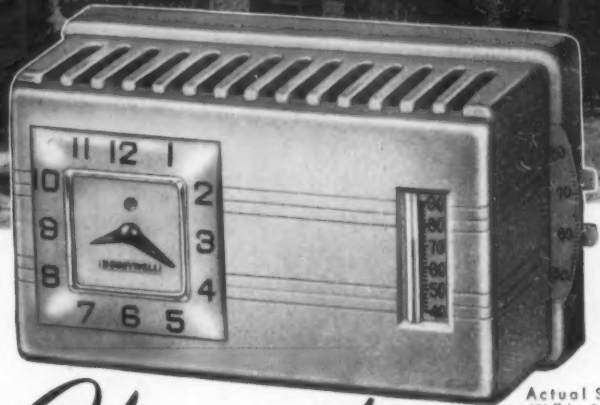


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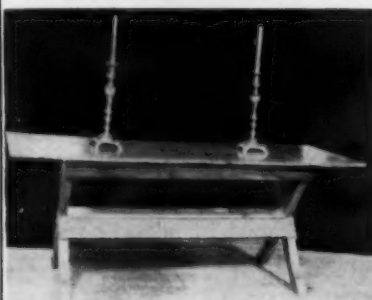
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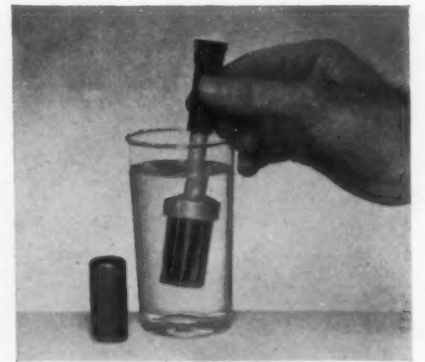
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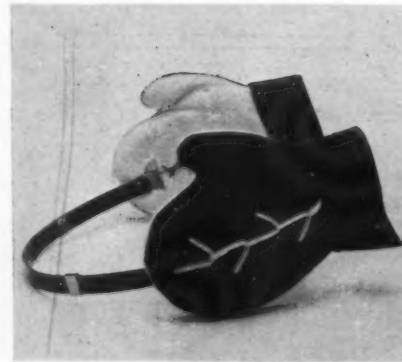
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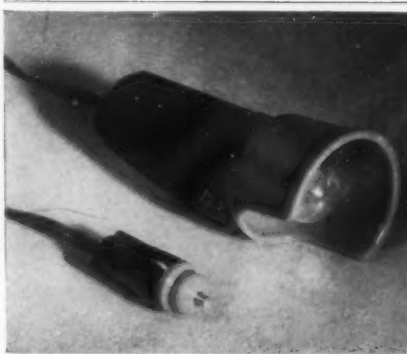
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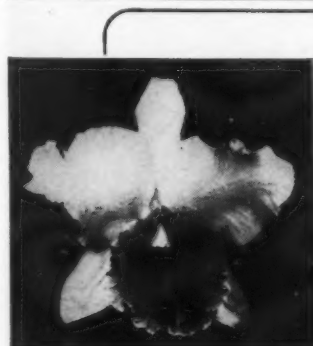
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Heavy pure copper spun bowl for flowers, fruit or season's trimmings, will grace the finest table. Non-tarnishing. 4" deep, 11" in diameter.
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Maker of distinctive metalware
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Fancy LOBSTER
JORDAN MARSH EXCLUSIVE

LOBSTER MEAT
Tender, pinky lobster meat from the briny Atlantic, ready to serve cold in salad or as cocktail chunks. Makes delicious hot seafood meals fried, creamed or Newburg for family and guests. Stock up, use regularly and always keep a couple of cans for emergencies.
3 big 12 oz. cans, \$4.40
6 big 12 oz. cans, \$8.70
Shipped prepaid in 48 States and Canada
Send check or money order to —
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Scarce, Superfine
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- SILKEN SMOOTH
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IN FIVE LENGTHS!

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Morris' brings back at new low prices sparkling superfine count organdy, 148 shimmering threads to the square inch, in the lovely style that frames your window in ruffles. The organdy has a permanent finish that stays beautifully crisp . . . never needs starching! Order now while we have your length in white.

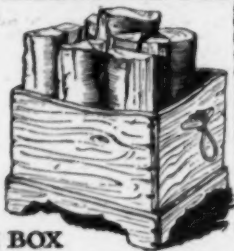
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for
Fireside
Charm



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Island Cleat and Thong Handles are most unusual. Hand made of Knotty Pine. Base 16"x15"-Front 12" high

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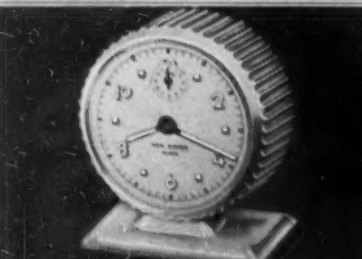
Your worn wool or down comforters can be luxuriously recovered and made factory-fresh by our exclusive process. Discover today how Lanadown adds years to the life of your comforter. Sole creators and distributors of the famous patented comforters, Lanadown and Lanafur. Lanafur is composed of rare furs intertwined with white virgin wool, forming one of the warmest possible quilt fillers. Sold in leading department stores, if not order direct from our factory.



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Carton of \$2.95

4 1-lb. Jars Postpaid

Carton of 12 1-lb. Jars \$8.50 Postpaid

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America's Oldest Coffee Mill for gourmets and collectors of bric-a-brac. Our Mill is adjustable to any grind and has a 4 1/2 oz. cap fitted hopper and attractive natural wood box. The Eagle Mill has often been used as a spice grinder and is a popular gift item.

This 1853 sewing bird made in brass from the original dies, holds cloth firmly in its beak and is an extra set of fingers to aid in cutting and sewing. Also the polished brass bird perches prettily on a whatnot or dressing table and its two pin cushions couldn't be handier. Not a reproduction.

Eagle Products, Box 84 A,
Meriden, Conn.

\$5.95 postpaid
Add 25c West of Miss.



\$3.95 postpaid

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SAVE PRECIOUS CUPBOARD SPACE

No more searching or climbing for small spice cans. DOR-FILE is a neat aluminum spice file that fastens on the inside of your cupboard door, locates your spices at once. Rack is 12 1/2-in. long, has polished guard, and fastens easily to door or wall... without tools. Anyone can install in a jiffy with special thumbtacks supplied.

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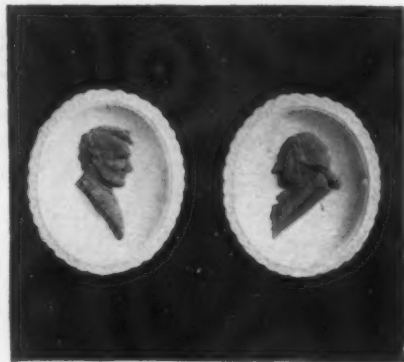
Send Direct to
DOR-FILE MFG. CO.
Dept. 2, 8324 S. E. Foster Road, Portland 6, Or.



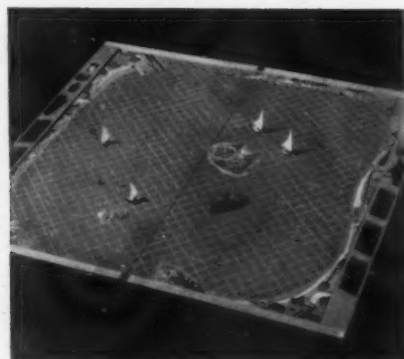
79¢ EACH

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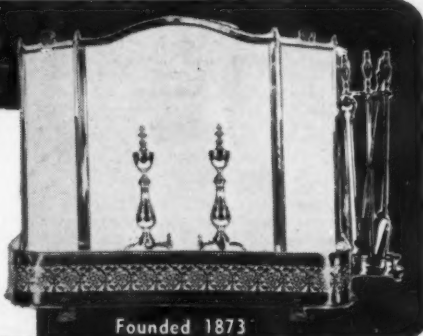
Presidential favorites in the Wedgwood manner. Blue silhouettes of Washington and Lincoln on chalk-white china wall plaques are interesting historically as well as decoratively. Only 4 1/4" x 3 1/2" they are charming little favors or gifts. \$1.50 each, \$2.50 a pair, postpaid from The Artisan Galleries, Fort Dodge, Iowa.



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19" Andirons, Fireplace Stand, Tongs, Shovel, Poker and Brush as shown. Style No. 1214, \$28.
 Firescreen, brass frame, black wire, center 32" by 28" wide. Style No. 3043, \$12.50.
 Fender, solid brass. Rose and thistle design, 8" high, 48" long. Style No. 1110, \$21.50. Other sizes and styles available. Enclose Check With Order. Express Collect. Write for our circular



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Founded 1873



17th Century Ghiordes Prayer Rug

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A SAFE, simple to use, complete spot removing service for home use. Removes stubborn stains and spots caused by lipstick, iodine, nail polish, coffee, tea, soft drinks, etc. A lifesaver to your fine household fabrics and clothing. Harmless to colors, fabrics. Complete directions printed on back of durable handy-carrying T.P. Spot Removing Kit.

\$1.79 Complete Kit ppd.

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The Rupert Lee Quaint American lamp table has the authentic rose and oak leaf hand carved pulls and scroll bracket legs. Two convenient drawers. Built of solid cherry in rich hand rubbed cherry finish. Height 25; top 18 x 14 inches. Price includes shipment to your nearest freight office. **\$23.45**

Use a PAIR by sofa, fireplace, or twin beds \$44.85

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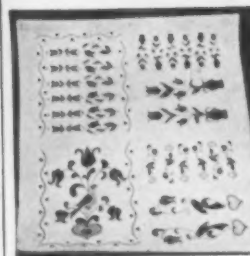
It's the top o' the morning to you when breakfast comes served in this set for one. Coffee in the individual drippolator with jumbo cup and saucer is piping hot; skillet cooks eggs and goes to the table. Covered hen dish for cereal, and service plate. 5 pieces in brown and yellow pottery.

Set \$ 6.00 postpaid
 2 Sets. 11.00 "

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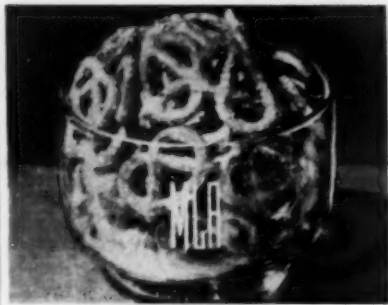
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Face of
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is 3"

Famed "Shadow-box"

Choose these "Legacy" frames—authentic antique copies, for new depth and perspective, a new decorator note and charm for treasured paintings, prints, documents or Grandmother's Sampler or your daughter's first needlework. Select from Solid Genuine Mahogany or Walnut; or Knotty White Pine. Check or money order. No C.O.D.'s. Express is collect. Guaranteed as advertised or money refunded.

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Crystal Utility Bowl

as practical as it is pretty for pretzels, popcorn or potato chips! Ideal too for ice cubes and fresh fruit. Generous size, personalized with 1, 2 or 3 initials. A perfect gift for showers, hostess remembrance or anniversaries. \$1.75, prepaid.

Clear plastic server tongs, \$1.25, prepaid. Write for Free Gift Catalog.

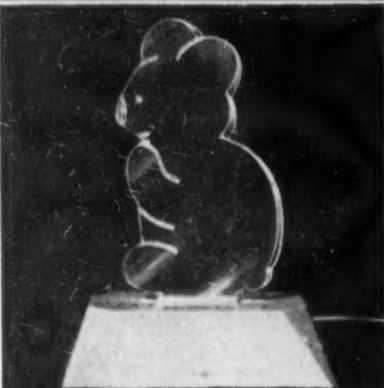


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Name it for a teen-ager's, school, camp, club or self, and it will be his or her favorite belt. Made of steerhide with brass studs and letters, it can be had in any size with any name up to 14 letters for \$2 ppd. 5c extra for each additional letter. The Pigeon Coop, 1405 New York Ave., Union City, New Jersey.



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without touching hands to water

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Sturdily built of nickel-plated steel. Nothing to get out of order. Lasts a lifetime. Nothing else compares with its simplicity, ease and speed. Shipped promptly on receipt of remittance. Satisfaction guaranteed or money back. No C.O.D.'s.

An Ideal Gift for Christmas

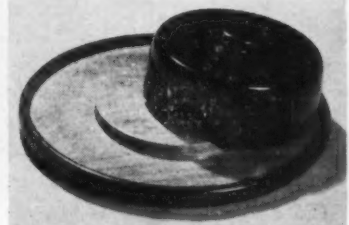
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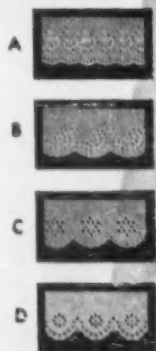
WE THE AMERICAS
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Cheese Tray—\$13.50, 13 1/2" x 7"
Natural or Two-Tone
Shipping Charges Extra

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crisp, permanently finished to launder without starch. 60¢ YD. 39 inches wide.

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light and airy, 70¢ YD. 38 inches wide.

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Swiss-type eyelet borders on matching organdy or batiste. 50¢ YD. 6 1/2 inches wide.

Beautify your home with curtains, vanity skirts or bed spreads, or make pinafores, aprons, children's or infants' dresses of these fine combed yarn fabrics. At these low prices by the yard or in bolts of 40 yards. Edgings to match by the yard or in bolts of 10 yards. Satisfaction guaranteed or your money refunded.

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Organdy Edging—50¢ yd. Style <input type="checkbox"/>	_____ yds.	_____ Bolts	City & State.....
Batiste Edging—50¢ yd. Style <input type="checkbox"/>	_____ yds.	_____ Bolts	Postage prepaid except on C. O. Ds.

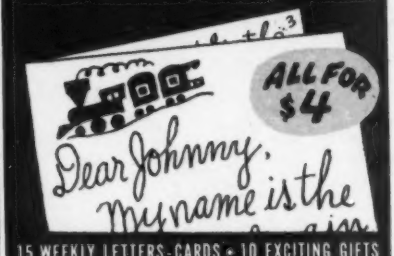
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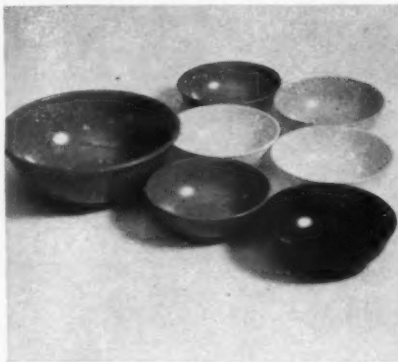
Include your name, relationship, child's name and address

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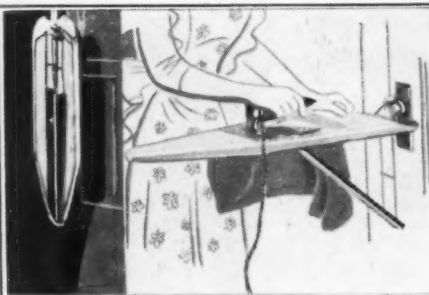
AROUND



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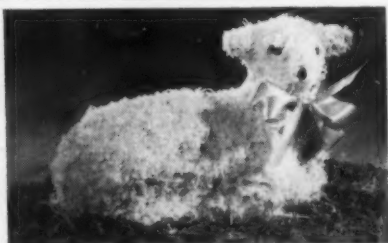
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\$12.50

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\$98.50

CONSOLE . . . Mica and Zomalite. 33" high, 28" wide, 12" deep.

WALL BRACKET . . . Can also be used as light fixture. 15" high, 12" wide, 6" deep.

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"Soup of The Evening BEAUTIFUL SOUP!"
from Alice in Wonderland



Soup Assortment in Quart Jars

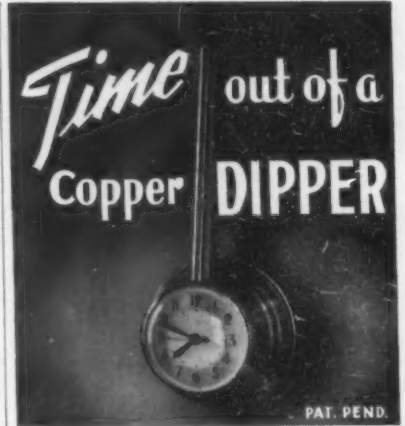
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1/3 Actual Size

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by Jackson of London

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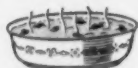
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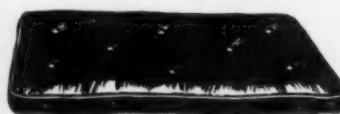
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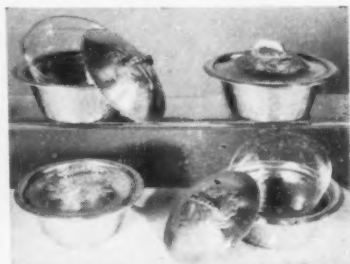
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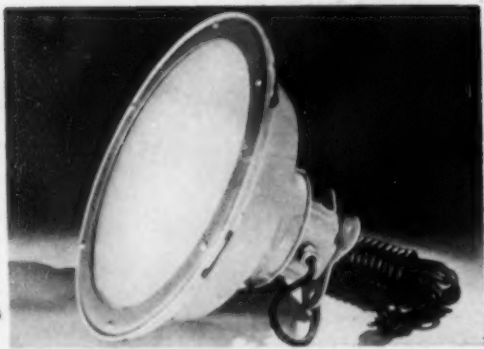
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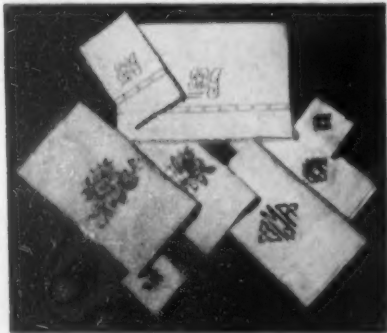


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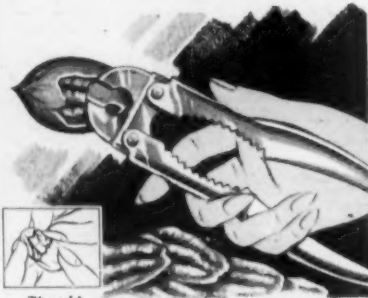
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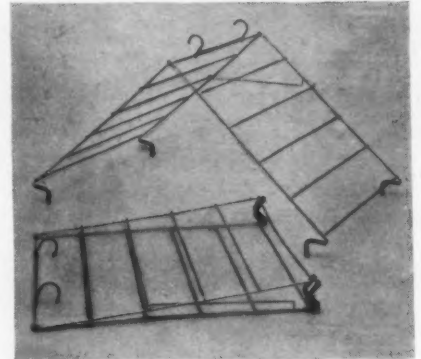


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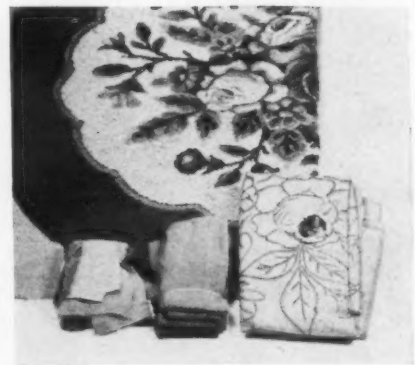


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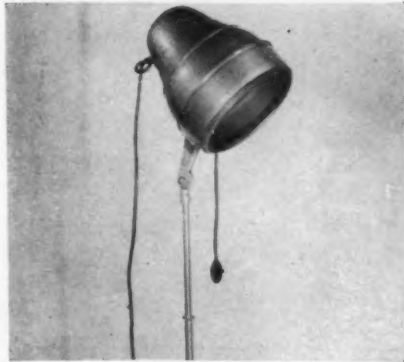
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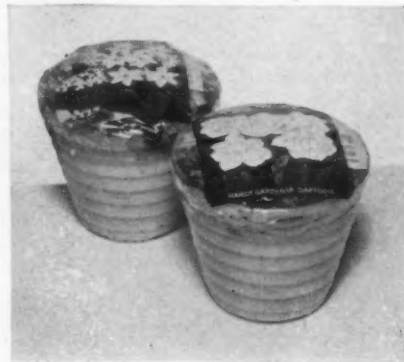


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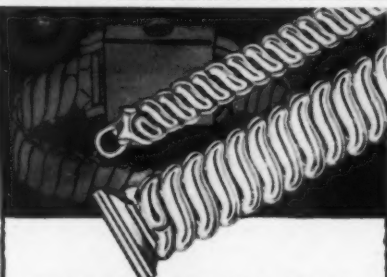
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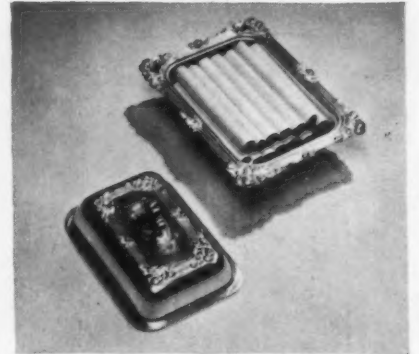
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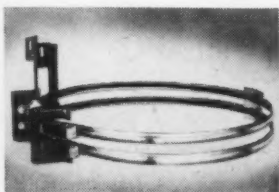
With Amazing MAGIC CIRCLE HEAT

Revolutionary New Pressurized Calrod* Heating Units Add Extra Years Of Low-Cost Service! New Type Thermostat Helps End Hot Water Waste! Fiberglas* Insulated Tank Stores Hot Water For Three Days!

PERFECT hot water service is here! The sensational new Hotpoint Automatic Electric Water Heater applies amazing "Magic Circle Heat" to give you the fastest, cheapest and most dependable hot water supply possible . . . plus extra years of trouble-free service. With "Magic Circle Heat," Hotpoint's Calrod* Units encircle the tank and grip it tightly, providing pressurized conduction heating . . . the most efficient method ever developed. Hot water waste is minimized and constant temperature maintained through the new type thermostat. Heavy Fiberglas* insulated tank stores hot water for three days without re-heating. See this great new heater at your Hotpoint dealer's and you'll see why "Everybody's Pointing to Hotpoint" —America's fastest growing appliance line!



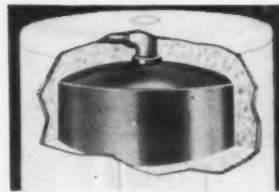
**MORE
HOTPOINT
WATER HEATERS
IN USE THAN
ANY OTHER
MAKE**



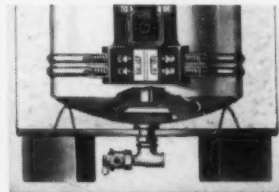
NEW MAGIC CIRCLE HEAT! Two pressurized Calrod* Units like this grip the tank under pressure —put all the heat into the water!



NEW TYPE THERMOSTAT! This completely automatic guardian keeps temperature constant at 150 degrees . . . prevents waste.



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FLORIDA

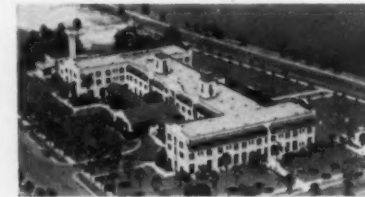
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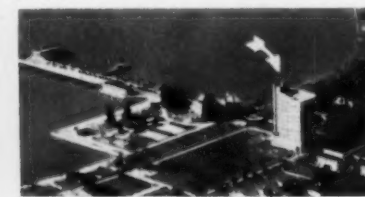
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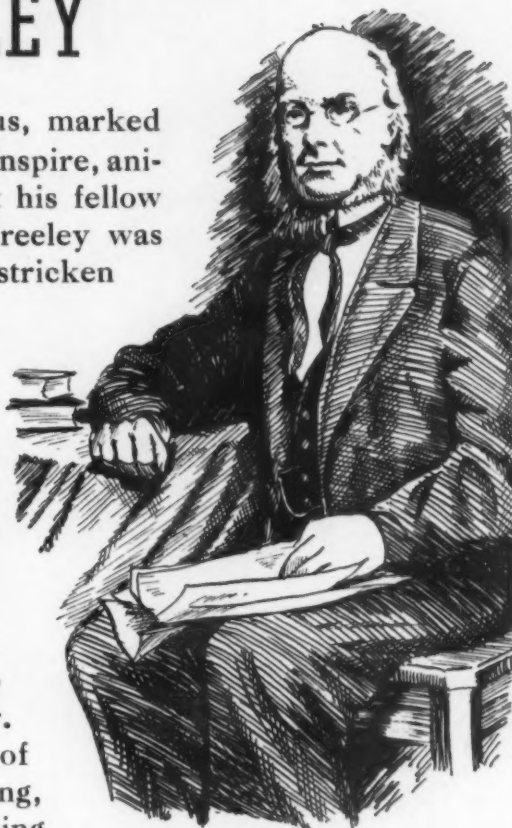
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Far Hills Inn. Gracious hosp. for discriminating people. Lux. appointments, restful atmosphere, superb location. Winter sports. Ski tow. Booklet.

• New Hampshire Personalities •

HORACE
GREELEY

"A man of genius, marked from his cradle to inspire, animate and instruct his fellow man," Horace Greeley was born on a poverty-stricken farm near Amherst, New Hampshire, in 1811. From his earliest days, the printed word attracted him and it is not surprising that he went to New York, almost penniless, in 1831 to start his career. After ten years of type-setting, writing, editing and publishing,



he established the *New York Tribune* which, during the War between the States, became the "Trumpet of the Nation." If an 84-hour work week is now forty, it was the *Tribune* that first took up the cudgels for the worker. Greeley organized the first printers' union and was its first president; he instituted the idea of profit-sharing by selling many of his *Tribune* shares to his associates. Despite cutting ridicule, he championed woman's right to vote. A mighty force in the preservation of the Union, he urged the "clasp- ing of hands across the bloody chasm" when such words were not readily accepted by a nation pitched to the emotionalism of civil war. He stands today the model of editors, "doing no man's bidding, but speak- ing his own thoughts."



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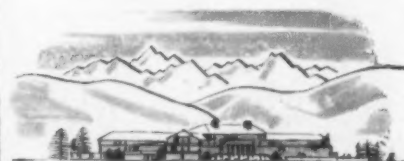
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WINTER SPORTS UNDER
A "SUMMER SUN"

Look what a Home Freezer brings you through the 4 seasons

1. Winter



No need for you to go out marketing in the wintery gale.

You just open your General Electric Home Freezer—and there are 280 pounds of assorted fresh-frozen foods—meats, vegetables, fish, fruits, baked goods, and ice cream.

2. Spring



In the spring you buy spring fryers by the dozen . . . when the quality is finest and prices lowest.

You quick-freeze them in your General Electric Home Freezer—and enjoy them when you want them—months later.

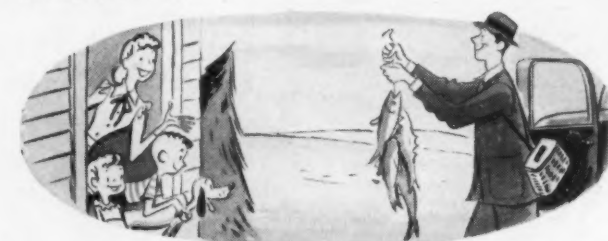
3. Summer



You buy berries, vegetables at their peak of flavor. You also buy commercially frozen foods and meats at *sale* prices.

When you have a General Electric Home Freezer, you enjoy better food . . . and pay far less for it!

4. Autumn



Those heavenly quail, duck, bass and other game fish that come into your home need not all be eaten "at once."

With a General Electric Home Freezer, you can enjoy summer-caught trout in December; quail in the spring, depending, of course, on State and Federal game laws.



General Electric Home Freezers are available in either 4- or 8-cu.-ft. models.

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When you shop for a *dependable* home freezer, keep these mighty important facts in mind:

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2. The cabinet in the General Electric Home Freezer is so perfectly insulated that in repeated laboratory tests *it kept food frozen for several days after the current was shut off! No moisture enters the insulation.*

Next time you pass your General Electric retailer's, step in and find out more about these remarkable Home Freezers. General Electric Company, Bridgeport 2, Connecticut.

General Electric Home Freezers

For quick-freezing foods at home . . .

For storing the frozen foods you buy.

GENERAL  ELECTRIC



For RICHNESS + BEAUTY + STYLE

For LONG WEAR + EASY CLEANING + COLOR FASTNESS

There's nothing like CA-VEL Pile Fabrics

Does it sound like a large order? It is. But CA-VEL pile fabrics fill it to the last dot! Any furniture man knows that nothing can beat a closely-woven pile fabric for wear, for example. Any woman who's ever tried to remove spots from furniture knows how easily a pile fabric cleans. And people who have had pile fabrics on furniture always come back for more if they're looking for long, hard wear.

CA-VEL pile fabrics have back of them over a hundred years of the best of craftsmanship. The most painstaking care goes into their weaving, their dyeing. And just one look at the five samples we're showing you proves the beauty and richness and style importance of CA-VEL.

Be sure to get your money's worth in your furniture upholstery: look for the CA-VEL identification tag, and you'll know you're getting the best your money can buy.



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DENVER CARNATIONS

COLORADO STATE FLOWER GROWERS ASSOCIATION

House & Garden

Contents for January, 1948

ON THE COVER: The drawings of peonies by Jacob Stauffer (see below left) were made around 1869-1870 and are typical of the high standard set by this amateur botanist in picturing plants which came under his observation through a long life.

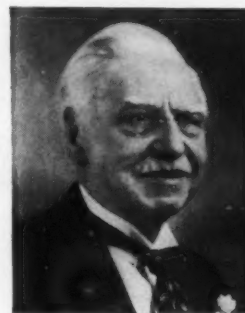
In this issue...



Harriett Risley Foote, renowned rosarian, has been growing the Queen of Flowers for 40 years. Widow of an Episcopal clergyman, she began importing new English and French varieties years before others showed interest in them. Her garden is at Marblehead, Massachusetts.



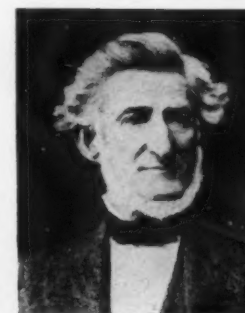
Pascal P. Pirone, Ph.D., has published more than a hundred technical and popular articles and bulletins on tree and ornamental plant problems. He is also author of *Maintenance of Shade and Ornamental Trees*. At present he is plant pathologist of The New York Botanical Garden.



Lambertus C. Bobbink, born in Holland in 1866, commenced work in the horticultural field at 15, serving in English, German and French nurseries. He came to the United States in 1895 and, a half a century ago, established his famous nursery at East Rutherford, New Jersey.



Lloyd Crow Stark, once governor of Missouri, was graduated from Annapolis and served in the U. S. Navy before he retired from the sea to take up his ancestral business of growing trees, in 1912. His hobbies are the history of Missouri and the breeding of saddle horses.



Jacob Stauffer, 1809-1880, was a naturalist by instinct. Born in Lancaster County, Pennsylvania, he soon showed an interest in local botany and entomology. He was one of the founders of the Linnaean Society. Drawings by him are found on the cover of this issue and page 32.

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Food Wasted is Food for War

Americans throw away 125,000,000 pounds of food a day. Yet every bit of food we over-buy, every morsel we waste, deepens the cleavage between those who have too much and those who have too little. Food is freedom—both are too precious to waste.

BY MARYA MANNES

"I really shouldn't have eaten that extra potato," sighed Mrs. Jones. "I couldn't get into my blue dress yesterday." She rose and began to carry the plates out to the kitchen. There she scraped into the garbage pail the following things: the contents of 15-year-old Sis' plate, consisting of half a slice of meat and a pile of string beans; four sections of bread crust from Junior's; three half-pats and one smear of butter, uneaten beans from Mr. Jones' plate; a sizable strip of meat from her own, and a partially eaten slice of bread. All this went on top of the breakfast garbage, which consisted of the following items: two partly eaten slices of toast; the white parts of two poached eggs (Sis never could eat white of egg); several dabs of butter; and half of Junior's cereal (lumpy, he said).

Fortunately for Mrs. Jones' peace of mind, she didn't know that this garbage, unesthetic as it might seem to her, could have fed a European child for one week. It was merely part of the 400 pounds of edible food which the average American family wastes per year. *It was merely part of the 125 million pounds of food wasted in the United States in one day!* This annual waste means only one thing: Americans buy more than they need; so grocers stock to the hilt and there is less food to load the cargo ships going to Europe.

The scene above is hardly an isolated one, nor one confined to any particular stratum. The Jones are a perfectly normal, decent, kindly family. The colossal wastage of which

they are guilty, along with millions of others, does not spring from malice or meanness. It is merely the unthinking lavishness of a people brought up on the saying "There's plenty more where this came from."

If Mrs. Jones were rich enough to have servants, the chances are that the waste would be even greater: cooks and maids are not inclined to save food for which they do not have to pay. They are, moreover, notoriously snobbish about leftovers, the preparation of which, they believe, takes more trouble than the cooking of fresh (and preferably expensive) food. And under present domestic difficulties many employers are too craven to insist on "repeats."

Mr. Jones, of course, reads the papers and believes the recently returned politician who declares he had seen no starvation in Europe. But there are other aspects which make his annoyance at the need of food conservation, and Mrs. Jones' thoughtlessness, and their common belief in European food sufficiency, profoundly shocking. These aspects are his own appearance and that of his wife and son.

Like many American men over 40, Mr. Jones has a paunch, bicycle tires around the waist, and flaccid flesh—from over-eating and under-exercising. Mrs. Jones, though tidier, is one of the many million American women near middle-age who express dismay over their proportions but continue nevertheless to eat that extra slice of cake, that extra potato, that mid-afternoon snack. Junior

(Continued on page 107)

26 Will the American harvest be peace or war?



Wheat: the staff of life for millions

STANDARD OIL OF N. J.

This is the stuff of peace: grain and livestock from our soil. In the way we use it lies the key to the future. No American need suffer privation. All that is asked of us is that, in common humanity, we conserve what we raise, eat what we buy.



Meat: the strength of many nations

DERUJINSKY-PIX



Shall we feed beef to pets?



Or waste our daily bread?



Or overstock refrigerators?

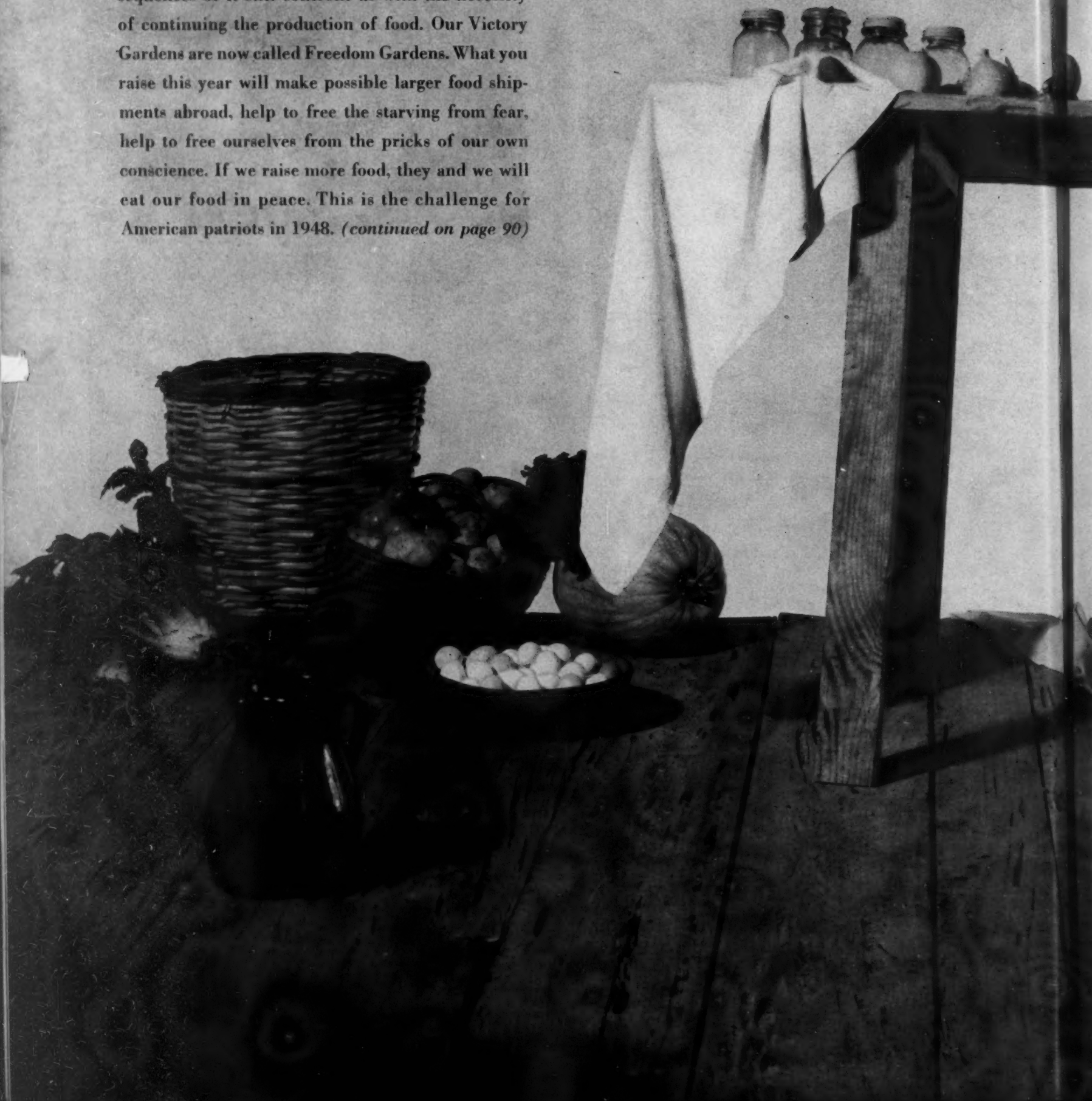


EUROPEAN PICTURE SERVICE

Children hold the future of the world in their hands. If they grow up undernourished, they will fall easy prey not only to disease, but also to the forces which are forming to do battle with democracy. If they go hungry today, we will reap their anger tomorrow.

Food = Freedom

Though the war ended over two years ago, the consequences of it still confront us with the necessity of continuing the production of food. Our Victory Gardens are now called Freedom Gardens. What you raise this year will make possible larger food shipments abroad, help to free the starving from fear, help to free ourselves from the pricks of our own conscience. If we raise more food, they and we will eat our food in peace. This is the challenge for American patriots in 1948. *(continued on page 90)*







GARDENING

is a constant succession of new beginnings

Scarcely have borders been bedded down for winter than the turn of the year brings the new seed catalogs. Scarcely has the fragile beauty of spring growth turned to the lush abundance of summer than the fall catalogs appear, offering glimpses of still new springs to come. Each new seed packet supplies a new beginning, each new bulb a new start on an adventure of beauty and experience.

Were gardeners not a credulous race, few would begin that adventure with such high hope. But that is what we actually do. We believe that this seemingly dead bulb will drill up through the icy soil and flower, that these infinitesimal seeds, scarcely more than a pinch of dust in the palm, will spring to life, set leaf, flower and fruit. We have to see the full-grown tree in the seedling, the rose in that contraption of twisted roots and stems the nurseryman delivers. We gardeners are credulous in another respect: somehow, from somewhere will come the time and physical strength to see the work through to a successful end. The soil readied and made rich, seedlings raised and set out, the effort to keep them growing along without halt, the battle against weeds and pests, the lack of moisture or too much rain—all these involve work. Moreover, much of it has to be done at a particular time. Do it now, or we miss a whole year.

So a most essential part of gardening is the planning of it. The owner of a garden confessed to me that most of his gardening consisted in looking. He had taken as his pet project the planting of a farther, sparsely-wooded hillside. For hours he sat on his terrace visualizing where to plant hemlocks to furnish winter green amid the deciduous trees, where on the fringe to drift dogwoods and redbud. The final result was a year-long succession of perfectly-composed pictures. Since spring catalogs arrive when, as yet, little outdoor work is being done, they afford time to plan. Dream books, they set the dream a-going. They bring assurance: behind each packet of seed lies the tireless work of growing and selecting, of experiment and the application of long experience. On this basis, they offer the chance for new beginnings. The rest is up to us. In the pages of our Gardener's Guide that follow, some of these new beginnings are indicated. May all of us bring them to a happy and fruitful end!

RICHARDSON WRIGHT

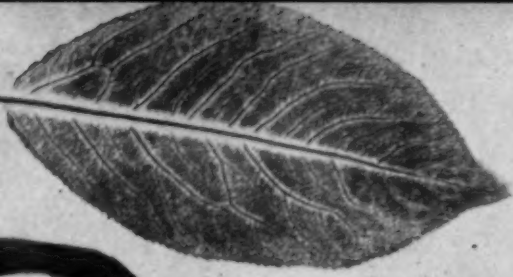
Opposite:

Beneath and above is the fragile beauty of spring



ring

LEISNER



The seed of an apricot deposited in
 a glass jar on the 10th of Feb
 1862 was a little more than
 a month in the ground - The seed
 was taken from the fruit on 2 1/2
 in the month of Feb. 1862 and it
 stood on the water & at the same time
 with all the same things a glass jar
 attached to the bottom



A pear from
 one of the good
 varieties of the
 fruit is shown
 from the edge and all
 a round fruit is
 cut open the seed
 is shown to form
 in the second year
 July 28 1862

Copy of the Salvoit size from a Pear presented to me
 by a friend - I saw it in the garden of the
 University of North Carolina in the year 1862
 when it was about 20 years old - The
 fruit is of a dark green color & is
 of the size of a small apple - (See date - 1862)
 The fruit is of a dark green color & is
 of the size of a small apple - (See date - 1862)
 The fruit is of a dark green color & is
 of the size of a small apple - (See date - 1862)



Leaf of *Staphylea trifolia*



Small Fruit
 Oct 13 1862
 (See) Sprague

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Finer fruit in less space with Miniature fruit trees

BY LLOYD CROW STARK

EDITOR'S NOTE: *In addition to having served as Governor of Missouri, Lloyd Crow Stark is one of the largest growers of fruit trees in this country. He is the seventh in direct line of Starks who have grown fine fruit trees since 1816.*

One of the things that appealed to me most on various trips to Europe was the interest and beauty which fruit trees lent to the formal and informal gardens of France and England.

Where space permitted and a natural effect was desired, pears, apples and other fruits were allowed to grow in their natural shape. In formal gardens, the trees were trained into various shapes appealing to the individual gardener—some pyramidal, some vase-shaped, while others were espalier and fan forms. In village and city gardens, where space was extremely limited, espalier trees were grown against walls and fences. One of the most beautiful treatments was a pear tree trained to frame a window.

Long an integral part of European estate gardens, gardening for fruit production and ornamental beauty deserves revival in America. The migration of many city dwellers into suburban and rural communities is creating a fashion for fruit trees in ornamental plantings. Where space is too limited for standard-sized trees, gardeners can use miniature or dwarf trees. Once a scarce item in American nurseries, hardy dwarf type fruit trees are now available on sturdy roots to provide trees that require no staking. Even small formal or informal gardens can now have the beauty that is a fruit tree in full spring bloom, followed by bountiful summer and fall crops of large, richly colored, deliciously flavored pears, apples, peaches, cherries, plums.

Dwarf trees come into bearing early, often flowering and bearing a crop during their second

season. The dwarfing element in the tree, whether it be a special rootstock or an intermediate stem piece, tends to restrict the downward flow of fruit bud-making plant food which is manufactured by the leaves. This gives additional food to the bearing part of the plant and hastens fruit production. Sixteen miniature or dwarf trees in a test planting bore 178 pounds of fruit in their third season following their first crop during the second year. The fruit was large, exceptionally well formed, beautifully colored and deliciously flavored.

It is easy to do tricks with trees that will fit them gracefully and fruitfully into any and every home planting. There is nothing mysterious about the training of fruit trees, and with a few simple instructions and a little practice anyone can grow an amazingly handsome and interesting fruit garden "tailored" to fit his home grounds.

I get a tremendous amount of satisfaction and diversion from my fruit garden at "Aberdeen." After a long, hard day of office confinement, nothing relaxes or refreshes me more than an hour or two among my trees. Not only do I enjoy the beauty of their masses of bloom in early spring, but also the fine crops of superior fruit which I can pick, fully ripe. I sometimes leave my apples on the trees three weeks to a month past the commercial harvest stage. That extra time on the trees greatly increases the fruit sugar, flavor and size of individual specimens. You will never know the real and true flavor of a peach until you pick one soft and ripe from your own trees, laden with honey-sweet juice. Then, and then only, will you know how really delicious peaches can be. In choosing either standard-size or miniature trees for the home fruit garden only highest quality varieties should be (Continued on page 99)

Opposite:

HOUSE & GARDEN PRINT NO. 3

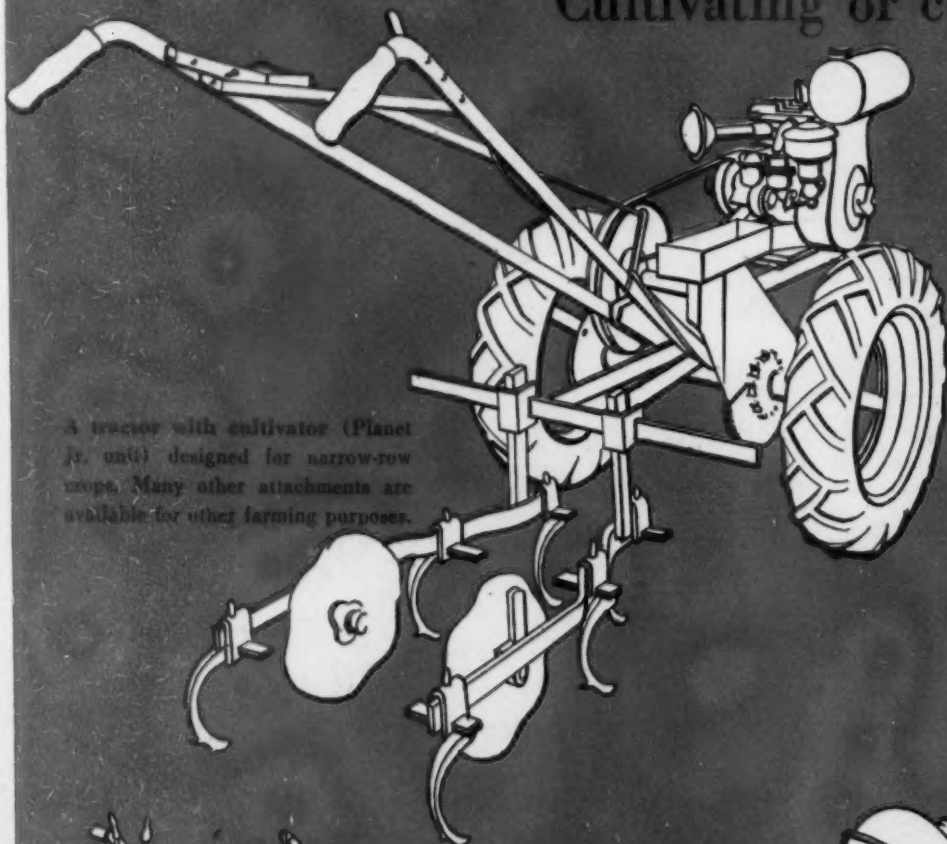
One of the most unique of mid-Nineteenth-Century American amateur botanists was Jacob Stauffer of Lancaster, Pennsylvania, who produced a great quantity of fruit and flower drawings. Examples are found on the cover of this issue and *opposite*, through the courtesy of Harry Shaw Newman. This is the first time they have been reproduced. Notes on Mr. Stauffer appear on page 23.

Better your crops with better machinery

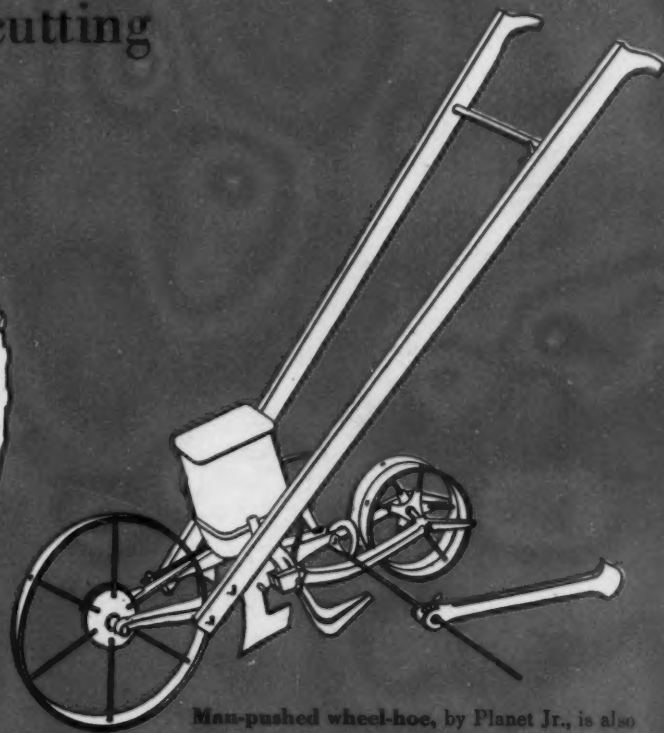
Garden ★
for
Freedom ★

Practically every country place and farm faces the problem of man-power. To meet this, farm and garden machinery has continually been improved. Especially valuable is the power unit which, with a variety of attachments, serves a great many purposes, thereby reducing the number of machines required. With these, not only is more work done, but better work. The eleven examples shown on these two pages represent investments capable of paying long-time dividends, if intelligently used and cared for.

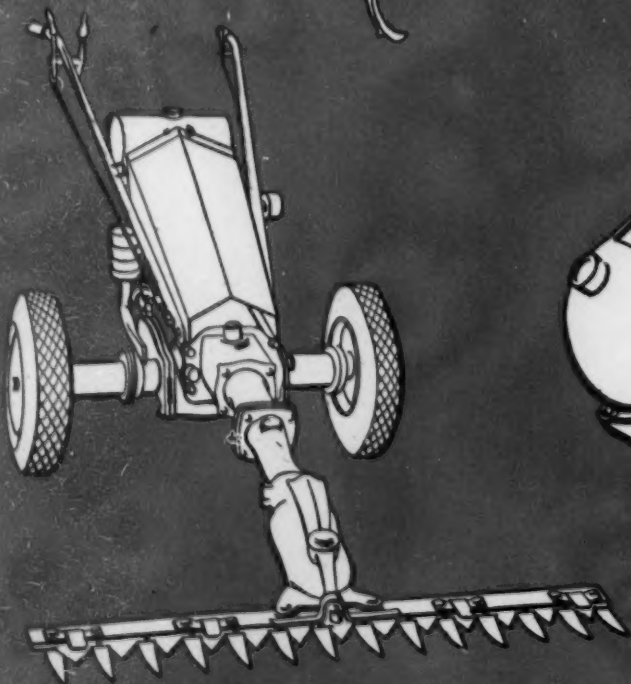
Cultivating or cutting



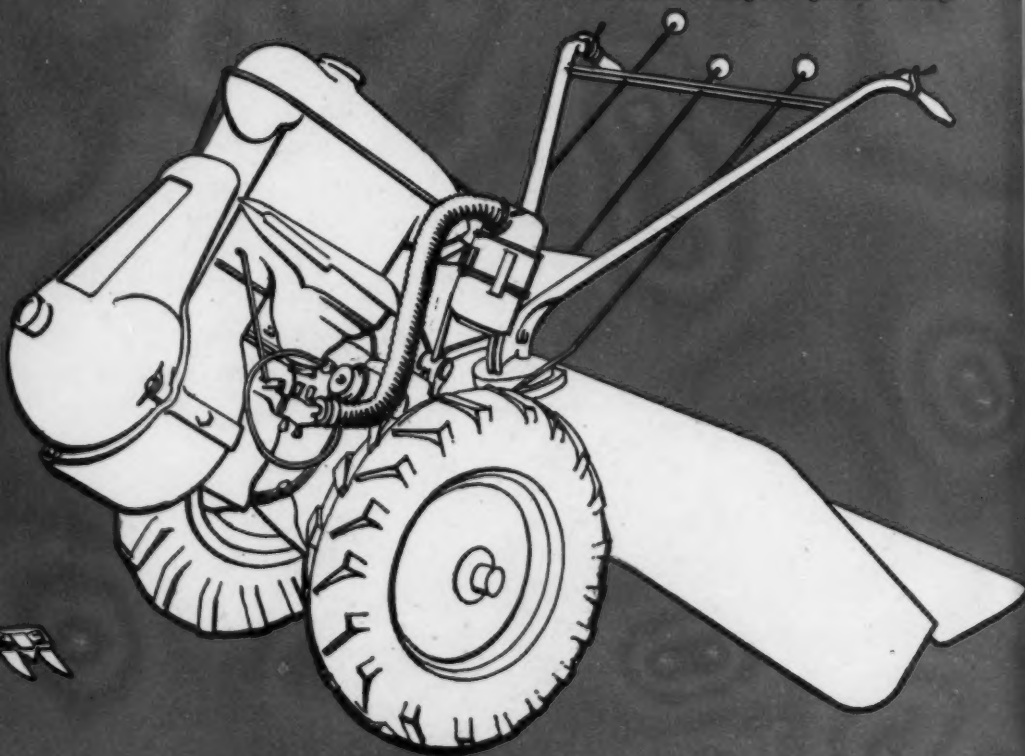
A tractor with cultivator (Planet Jr. unit) designed for narrow-row crops. Many other attachments are available for other farming purposes.



Man-pushed wheel-hoe, by Planet Jr., is also equipped for several purposes. Here it is with seeder attached for long-row garden sowing.

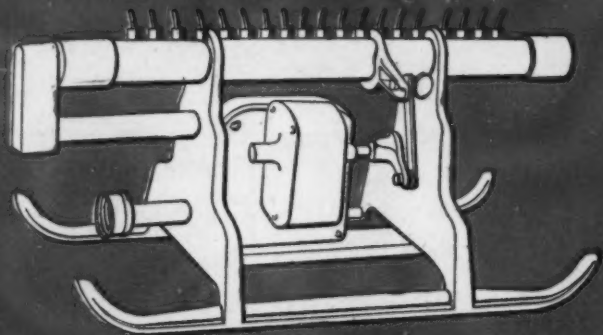


With sickle-bar attached, this Gravelly power unit displays one of its many possible functions. Other models cultivate, trim lawns, plow, and furnish power for spraying.

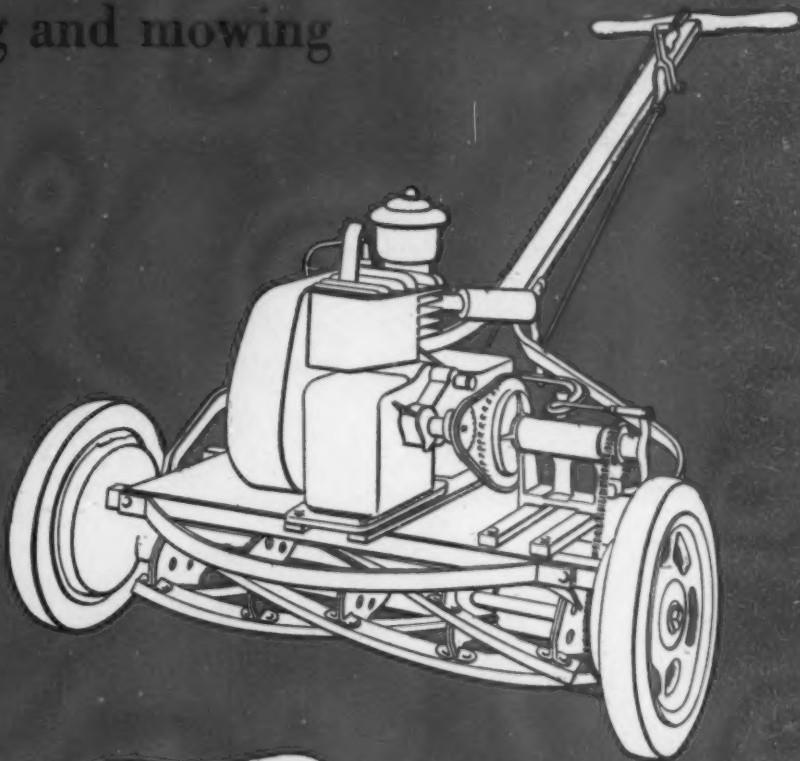


The tractor can cultivate and crumble soil as deep as 9" and as shallow as 2". With special appliances this Rototiller performs a diversity of farming and gardening jobs.

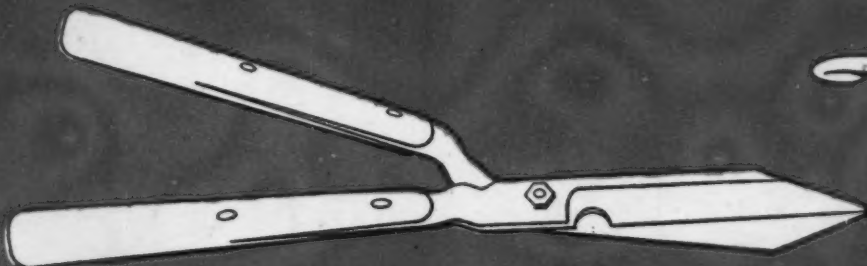
Watering and mowing



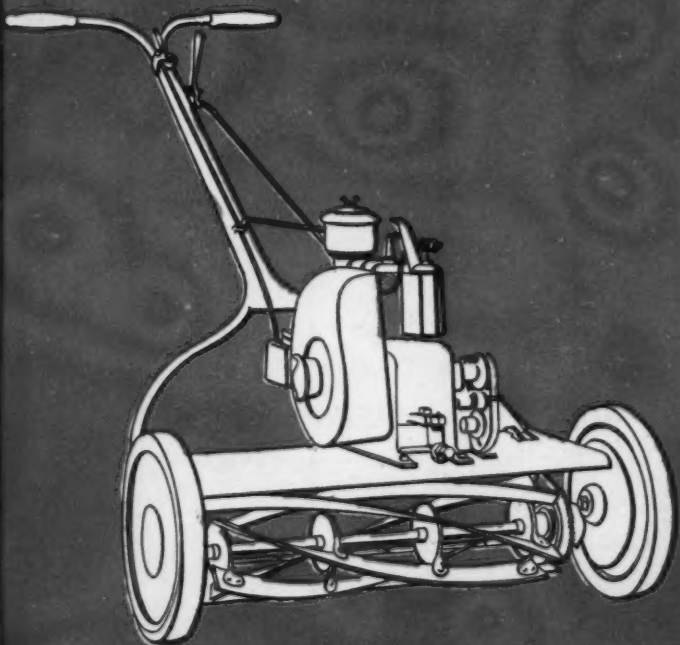
A wide swath, 65' x 50', is well watered by this Acme sprinkler, though it is only 14½" long and weighs a little over 7 pounds. It is easily moved about on skids.



Easily handled power mower, Coldwell's "Bear," is capable of cutting up to three acres a day. It mows close to buildings, trees, etc.



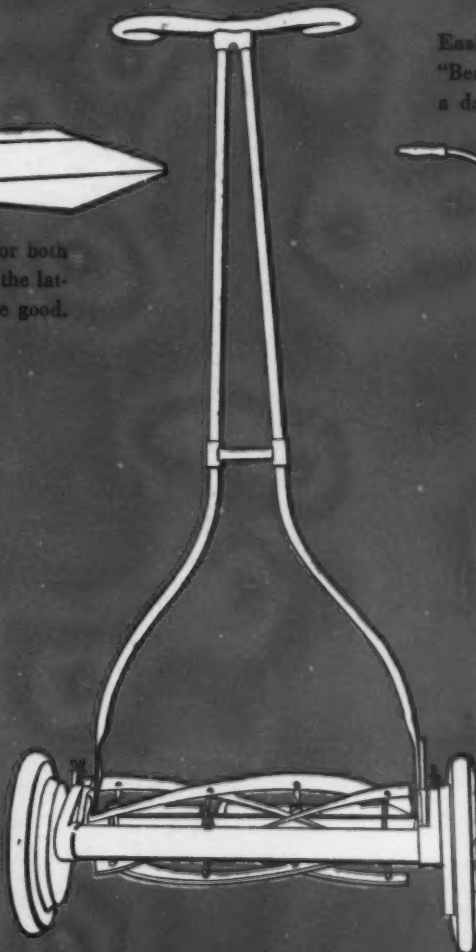
Stout hedge shears by Cartwright are designed for both light and heavy clipping—the notched blade doing the latter. The riveted handles and firmly held blades are good.



To fill the needs of the home owner of average means. The "Moto-Bay" is built with 19" blades. It makes short work of small lawns.



A bantam power mower, light in weight, but capable of quick, even lawn shearing, is now offered by Jacobson.



Light in construction, yet rigid and solidly built, the Clemson hand mower rescues lawn care from dull drudgery.



A time-saving electric trimmer by Pinget is light enough to be handled easily and sufficiently powered to assure even cutting. It operates on both AC and DC currents.

Growing directions for a Food-for-Freedom garden

Vegetable	Varieties	Rows apart, feet	Plants apart in row, inches	Planting depth, inches	Seed for 50 ft.	Days to germination
ASPARAGUS	Mary Washington	2½	20	6	30 plants	8-10
BEANS, BUSH	Tendergreen (round pods); Black Valentine (oval pods)	2	3-4	1½	4 oz.	6-8
BEANS, POLE	Potomac (straight pods); Kentucky Wonder	3-4	9, or hills	1½	4 oz.	6-8
BEET	Wonder	1½-2	3-4	½	½ oz.	7-10
BROCCOLI	Calabrese	2	18	¼	1 pkt.	6-9
BRUSSELS SPROUTS	Long Island	2	13	¼	1 pkt.	6-9
CABBAGE, EARLY	Green Acre	2	12	¼	1 pkt.	6-9
CABBAGE, LATE	Danish Ball Head; Savoy	2	18	¼	1 pkt.	6-9
CARROT	Nantes	1½	3	¼	1 pkt.	12-18
CAULIFLOWER	Snowball	2	18	¼	1 pkt.	5-10
CELERY	Cornell No. 19 (yellow); Pascal (green)	2-3	5	⅝	1 pkt.	15-20
CHARD, SWISS	Fordhook Giant	2	15	½	½ oz.	7-10
CHICORY	Witloof	2	10	¼	1 pkt.	8-12
CHINESE CABBAGE	Chihli	2	12	¼	1 pkt.	6-9
CORN, EARLY	Marcross (yellow); Pearl (white)	2½	9	1	1 oz.	5-8
CORN, MAIN CROP	Golden Cross Bantam	3	12	1	1 oz.	5-8
CUCUMBER	Marketer (slicing); Producer (pickling)	4	24	¾	1 pkt.	7-10
EGGPLANT	Black Beauty	3	30	½	1 pkt.	12-15
ENDIVE	Deep Heart	1½	9	¼	1 pkt.	10-14
KALE	Curled Scotch	2½	24	¼	1 pkt.	6-9
LEEK	Musselburgh	1½	6	½	1 pkt.	7-10
LETTUCE, HEAD	Great Lakes; Big Boston	2	12	¼	1 pkt.	6-8
LETTUCE, LEAF	Oakleaf; Simpson's Curled	2	12	¼	1 pkt.	6-8
LIMA BEANS, BUSH	Fordhook (large beans); Henderson's (small)	2-2½	3-4	1½	4 oz.	6-8
LIMA BEANS, POLE	King of the Garden	3-4	9, or hills	1½	4 oz.	6-8
MUSKMELON	Golden Delicious	5	48	1	1 pkt.	7-12
OKRA	Clemson Spineless	3	15	1	½ oz.	3-12
ONION	Southport White Globe; Red Wethersfield	1½	3-4	½	1 pkt. or 1 pt. sets	7-10
PARSLEY	Moss Curled	1½	4	¼	1 pkt.	15-20
PARSNIP	All American	1½	4	½	1 pkt.	15-20
PEAS	Gradus; Thomas Laxton, No. 40	2-3	1-2	1	½ lb.	7-10
PEPPER	California Wonder	2½	24	—	1 pkt.	10-14
POTATO	Green Mountain; Katahdin	3	12	4	3 lbs.	8-12
PUMPKIN	Small Sugar	8	60	1	¼ oz.	7-12
RADISH	Scarlet Globe; White Icicle	1	1-2	½	1 pkt.	3-6
RHUBARB	Macdonald	4	48	¼	10 plants	—
SOYBEANS	Bansei (North); Hokkaido (South)	2½	3-4	1½	4 oz.	6-8
SPINACH	Bloomsdale Savoy	1½	6	¾	1 pkt.	7-12
SQUASH, BUSH	Early Prolific Straightneck	4	36	1	1 pkt.	7-10
SQUASH, VINING	Acorn	6	60	1	1 pkt.	7-10
TOMATO	Scarlet Dawn; Rutgers	3-4	36	½	1 pkt.	7-12
TURNIP	Purple Top White Globe	1½	4-6	¼	1 pkt.	5-10
WATERMELON	Northern Sweet; Florida Giant	8	96	¾	1 pkt.	10-12

EDITOR'S NOTE: American gardeners are charged this year with bringing to a successful end the Food-for-Freedom campaign. Those who have the land available should raise sufficient vegetables to supply the day-to-day summer table and leave enough to preserve for winter. Here are directions for their sowing, cultivation and harvesting in all sections. This chart was prepared especially for HOUSE & GARDEN by Francis C. Coulter, vegetable expert.

For a family of 5, summer and winter supplies

Days to yield	From plants or seeds	Possible yield per 50 feet of row	Row Length	Number of Plantings	
2 yrs.	P	300 spears	100	—	Enrich the soil. Do not cut until second spring
50-70	S	20 qts.	100	4	Make first sowing after frosts have gone
65-80	S	30 qts.	50	1	Should have well-prepared soil
60-75	S	150 roots	100	3	Must be properly thinned, probably more than once
70-80	P	30 heads	50	1	Transplant early in spring
70 & on	P	30 qts.	30	1	A good succession crop for late fall use
65-75	P	50 heads	50	1	A hardy crop but needs sunshine, with sufficient plant food and soil moisture
80-100	P	35 heads	50	1	
60-75	S	200 roots	100	3	Clear soil of stones and clods to get straight roots
55-65	P	35 heads	50	2	Tie leaves over heads when nearing maturity
120-150	P	120 plants	50	2	Requires soil with good supply of nutrients and humus
50 & on for winter	S	15 plants	20	1	Requires adequate moisture and good soil
75-85	S	60 roots	50	1	Of easiest cultivation; soil should be fine
75-85	S	50 heads	50	2	Good for fall growth; a cool weather plant
70-80	S	50 ears	80	1	Hills are better than a single row for catching pollen on silks and consequent kernel formation
80-95	S	50 ears	100	1	
60-70	S	150-250	50	1	Protect young plants with cheesecloth cages
70-85	P	50-75 fruits	50	1	Transplant when summer has definitely arrived
70-80	S	60 plants	30	1	Chiefly a fall crop; culture similar to lettuce
70-80	S	25 plants	25	1	A hardy plant for early winter; makes a good border
120-150	S	100 stems	30	1	Earth up as plants grow to blanch the stems
50-70	S or P	50 heads	50	1	Because of small root system, lettuce must have good soil, not dry, if it is to be crisp and sweet
45-50	S	50 heads	50	1	
65-75	S	15 qts.	100	2	Sow only when soil has warmed up
80-90	S	20 qts.	50	1	Needs good soil and warm weather
80-100	S	60 fruits	50	1	See cucumber; dust both crops against beetles
50-60	S	250 pods	50	1	A hot weather crop; keep young pods picked
90-110	S or P	150-200 bulbs	50	1	Use sets for first onions and seed for late crop
85-100	S	150 bunches	30	1	Easy to grow and ornamental for low border
80-100	S	150 roots	50	1	Soil should be clear of clods; parsnip endures frost
60-80	S	25-50 qts.	100	3	A cool weather crop; needs rich soil, moist but not wet
65-80	P	200 fruits	50	1	Transplant in early summer; needs full sun
80-120	P	60-80 lbs.	100	2	Plant in good, rich soil; hill up as plants grow
110-130	S	25-30 fruits	25	1	Put a shovelful of manure below each hill; cover young plants
25-60	S	300-600	25	4	Will grow almost anywhere, but crisper in good soil
2-3 yrs.	P	180 stalks	50	—	See asparagus; rhubarb requires ample plant food
75-90	S	30 qts.	50	2	Larger plants than bush beans; hardy and prolific
40-50	S	100 plants	50	2	For cool weather; sow in fall for early spring cutting
55-65	S	75-100 fruits	50	1	Needs plenty of plant food and space; easy to grow
65-120	S	40-80 fruits	25	1	See pumpkin; both should be dusted against beetles
75-90	P	175-200 lbs.	75	2	Poles should stand 5 ft. above ground; pinch off side stems
50-80	S	100-150 roots	50	2	Best as fall and winter crop
80-100	S	40 fruits	50	1	See pumpkin; must have heat and lots of room

Healthy land means Healthy plants

How to provide the conditions
that give plants resistance to disease and pests

BY PASCAL P. PIRONE

EDITOR'S NOTE: *Dr. Pirone, plant pathologist of The New York Botanical Garden, author of Maintenance of Shade and Ornamental Trees, was formerly professor at Cornell and Rutgers. He writes popular and technical articles on pest control.*

Doctors today are stressing the importance of preventive medicine in the field of human health. The idea is to keep the patient well rather than cure him after he gets sick. If we gardeners will adopt this same idea, our plants will be healthier and there will be less need for resorting to last-minute curative treatments.



Sandy loam, when in good condition for plant growth, has the proportions of ingredients indicated above.

Our chances of growing healthy plants are best if we provide them with the conditions that meet their special requirements as to soil, fertilization, watering and light. Although even the best cultural conditions do not guarantee disease-free plants, there is no doubt that they do much to ward off infections. This is particularly true of such diseases as root and stem rots, the fungus organ-

isms of which enter the plants from below ground. **FIRST LOOK TO THE SOIL.** Perhaps most important of the cultural requirements, whether for the smallest flower or the mightiest oak, is good soil drainage. Plants will thrive only where drainage is good. Most gardeners consider a well-drained soil one in which the water does not settle after a heavy rain. Many believe that in such soil it is the excess water, in itself, that is harmful to plants. But water-logged soil is detri-

mental to plants, not so much because it is full of water as because air, with its oxygen, is excluded. Roots of garden plants cannot function properly without air any more than a human being can survive without oxygen.

The importance of good drainage is illustrated by an experience we had with our roses at The New York Botanical Garden some years ago. The rose garden is situated in a hollow area where the drainage was poor. Each year many roses died out. At first the blame was placed on low winter temperatures, but as soon as drainage tiles were laid in the soil, the roses were found to survive the so-called winter injury. What actually happened, of course, was that the drainage tiles drew off the excess water from the soil, thus permitting air to penetrate more deeply. This, in turn, allowed the rose roots to grow deeper and develop more abundantly, and enabled the plants to survive the unfavorable weather conditions.

Incorporating some kind of organic matter in the soil, such as rotted leaves or peat moss, also helps improve growing conditions. True, such materials hold moisture, but at the same time they are porous enough to allow penetration of the air that is so essential for healthy root development. In addition to admitting air which benefits root growth, well-drained soil containing enough organic matter often retards the development



Plants feed by means of minute roots which penetrate deeply in their search for nourishment and moisture.



Deep digging and trenching change the position of the soil layers so that food is readily reached by the descending plant roots.

of certain root-rotting fungi such as *Fusarium* and *Rhizoctonia*. Although not so vital as good drainage, the addition of fertilizers to soil is important to plant health. In sandy soils, for example, nitrogen is likely to be lacking because it is readily leached from the soil. The principal ingredient of fertilizers that help to form the green color in leaves is nitrogen, so to keep our plants from becoming stunted and turning yellow in such soils we may have to supply some form of nitrogen. WHEN TO WATER A GARDEN. Proper watering is another essential to plant health. Some water is necessary for plant growth but too much water definitely favors the development of leaf diseases caused by fungi and bacteria. Spare the hose and save the plant.

We cannot control the water that falls from the



Proportions for ideal soil are $\frac{1}{2}$ black loam, $\frac{1}{4}$ rotted manure, $\frac{1}{4}$ leaf mold. Some fertilizer and peat moss help.

ing the development of leaf-infecting fungi since most fungus spores will germinate if kept wet for two hours. LET THERE BE LIGHT. Adequate light is also requisite for healthy plant growth. Very few plants do better in shade than in full sunlight. In fact, most plants need at least four hours of full sunshine a day to develop normally. Although some plants, like holly, rhododendron and dogwood, considered by many gardeners as shade-lovers, will tolerate a shadier location than others, even these usually do better in a fairly sunny spot.

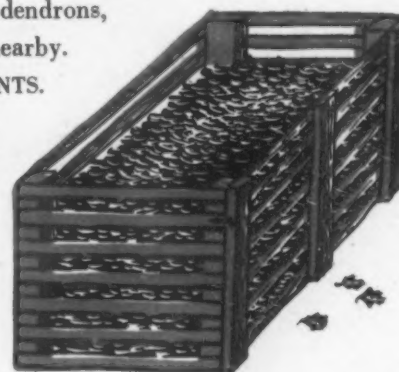
This question of light and shade brings to mind another point that may help us to grow healthy plants. Few plants do well when grown in close proximity to or beneath large trees. The roots of trees compete di-

rectly with those of the small plants for moisture and nutrients. Usually the trees win out. It is virtually impossible, for example, to grow grass or other plants, with the possible exception of a few ground covers like periwinkle and pachysandra, in the vicinity of a Norway maple tree. The roots of this tree grow so close to the surface that they take most of the moisture and nutrients. This, in addition to the excessive shading, makes it wise for us to place our plantings away from the tree. Furthermore, certain trees produce substances that are harmful to other plants. The roots of black walnut, for example, secrete a chemical, juglone, which definitely injures rhododendrons, forsythia and hemlocks planted nearby.

HYGIENIC SURROUNDINGS AID PLANTS.

It has long been recognized that certain human diseases are less prevalent in spacious, well-ordered surroundings than in overcrowded, unsanitary slum areas. From this, too, gardeners can take a tip. Plants in a well-kept garden where rigid sanitary measures are practiced are less likely to become diseased than are those in a weedy, neglected, overcrowded garden. Mildew on phlox, roses and other plants is always less prevalent when the plants have plenty of room.

An annual fall cleanup should be made in all gardens. This is especially true where perennials are grown, for it has been demonstrated time and again that removal and burning of all above-ground diseased parts of most perennial plants will materially reduce diseases the following year. Organic matter conservationists will take exception to this recommendation. The fact remains, nevertheless, that a great many bacterial and fungus organisms live over winter in decaying plant parts. Unless such diseased parts are burned in the fall, the disease-producing organisms will return to the soil and will be ready to produce new infections the following spring and summer. Among the diseases that can be kept in check or greatly reduced by a thorough fall cleaning are iris leaf spot, (Cont'd on page 89)



Compost crate with sides slatted to permit air circulation has end hinged for turning and removing finished product.



Manure water, applied a cupful to a plant, is the most effective and quickest method of feeding new and growing plants.

How to grow ROSES

Careful soil-preparation, correct planting, painstaking care will yield spectacular results for your efforts

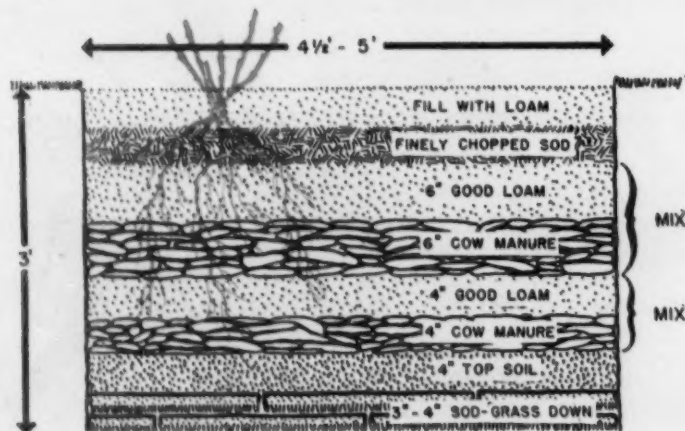
BY HARRIETT RISLEY FOOTE

EDITOR'S NOTE: For years Mrs. Foote's garden of 10,000 roses at Marblehead, Massachusetts, has been the envy and despair of rose fanciers. So have other rose gardens she has made, notably that of Mrs. Henry Ford at Dearborn, Michigan. In this article she explains, for the first time, the methods which have brought such success. It is condensed from Mrs. Foote's Rose Book, recently published by Bruce Humphries, Inc., and reproduced with their permission.

It is well for beginners not to be too ambitious. If one is to make a small home garden, start with only a few dozen plants. After a year or two with roses, one is likely to change his or her opinions about the location or arrangement of the garden and about the varieties growing in it.

Having grown roses here in my Marblehead garden for 40 years, and followed the same procedure in rose gardens I have made for others, I find that the best results come from these ten practices:

- (1) Give roses a sunny exposure and freedom from roots and overhang of trees.
- (2) Trench the beds deeply, from 3 to 4 feet, according to the condition of the soil, whether of sand, gravel, clay or loam.



TRENCHING BEDS is one of Mrs. Foote's most important methods. Remove all soil down to 3', saving only the top soil. This is laid in the drainage at bottom, followed by mixed layers of loam and old manure. Only in this manner gross-feeding roses are satisfied.

- (3) Use cow manure, and plenty of it.
- (4) Make beds not more than 5½ feet in width.
- (5) Use only the best plants obtainable, budded low on the best stock. Cheap plants and own-root roses I do not use, excepting the latter for a few very vigorous sorts.
- (6) Plant firmly, keeping the bud an inch under the ground.
- (7) Long pruning. The art of pruning must be learned from experience. Roses are very individual and need individual treatment.
- (8) Give plenty of water; more use of the hose than sprays. (Keeping plants vigorous wards off disease.)
- (9) Much tilling of the soil; once or twice a week at least. An English scuffle hoe is best for this purpose.
- (10) Cover in winter with leaves or loam.

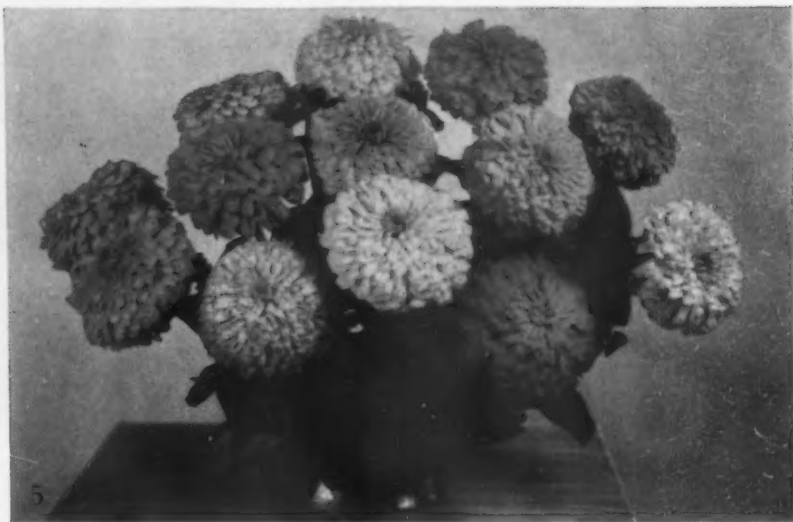
It must be emphasized that in rose growing no detail of culture can be neglected. One may do ninety-nine things correctly and miss the hundredth, and that single omission may be the one vital point which will prevent a rose garden from being as perfect as it should be. Success depends upon doing the right thing at the right time. Experience teaches this.

There is another element in success that must not be overlooked or minimized: a rose, however dependent it is upon attention to details in its culture, requires affection. Regardless of soil and climate, love will overcome many difficulties.

Site and soil

The ideal location for a rose garden is seldom available. We have found the best site to be one on a gradual slope facing south, southeast, or southwest. Good roses can, however, be grown on level ground. Artificial slopes can be built by bringing in extra loam, as in the Ford garden at Dearborn and others. Slopes facing other than southerly may be used but not to the same advantage.

Partial shade and shelter from north and from west winds are desirable. Full sunshine during the entire day is not necessary, as some think. (Continued on page 91)



Winners for 1948

Among the novelties to enrich gardens in 1948 are these eleven, chosen by experts. Starred are the All-American Selections. (1) Clarke's Giant Lilac, bearing 18" heads, (2) *dwarf single French Marigold Red Head, (3) Hybrid Tea Hilltop, (4) *Cosmos Radiance, (5) pastel Zinnia Burbank hybrids, (6) *H. T. Taffeta, (7) *H. T. Diamond Jubilee, (8) *Floribunda Pinkie, (9) Aster Ballet Queen, (10) *H. T. Nocturne, (11) *H. T. San Fernando.



TURKEY DINNER, country-style, with trimmings

LEMUS

Your freezer means
new freedom
from kitchen cares

If you love to entertain, the home freezer shown *on the opposite page* will be your best friend. Out of it you can draw, at a minute's notice and all ready to cook, as gala a meal as the one shown here. The menu is: melon balls, turkey with butter-crumbs stuffing and cranberry sherbet, rolls, corn and lima beans, mince pie. Each of these foods was bought when it was plentiful and was prepared at a time which fitted conveniently into the household schedule. Result, the hostess has no extra work and can enjoy her party as much as her guests do.



FRESH FRUITS, frozen together in the same container, retain color and individual flavor.



PIES AND BREADS taken from the home freezer are full-bodied, packed with flavor.

Plan your kitchen to your way of life

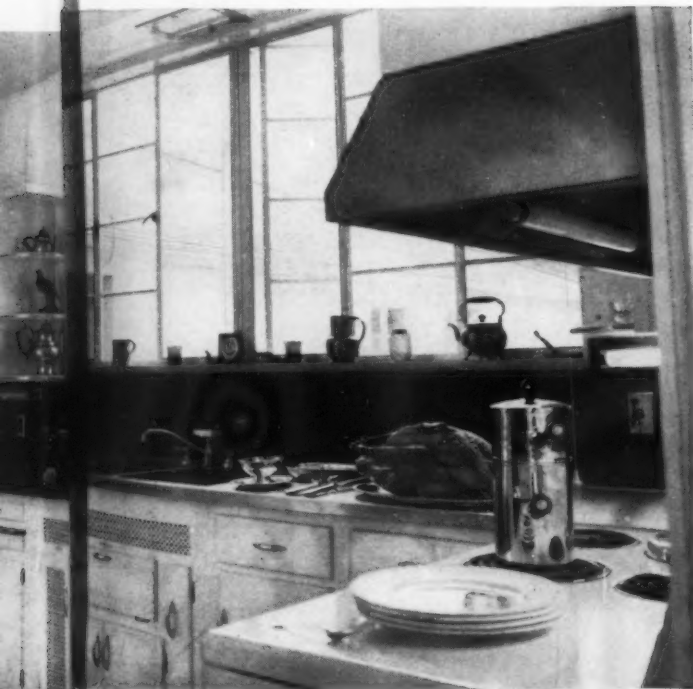


MR. AND MRS. K. L. SKINNER
of Bloomfield Hills, Michigan.
You see their kitchen, installed
by the J. L. Hudson Company, Detroit.

When Mr. and Mrs. Skinner decided to take a new and realistic slant on their living and entertaining, they called on a specialist, the J. L. Hudson Company of Detroit (designer of the custom-built kitchens which appear on the next two pages), to plan theirs. Because it is in a country house where more room means more steps, the flow and order of work was of importance. So the cooking center, *below, left*, was placed halfway between the dining room proper with its dining porch, *opposite*, and the home freezer. This freezer is the key to the Skinners' house-keeping because they can indulge a fondness for impromptu entertaining by depositing in it party dishes which require long hours of preparation. Each of the foods you see *opposite* was preserved in perfect flavor and texture for a given period. The breadstuffs (pie, rolls, stuffing) have the shortest freezer life, but even this is a matter of three months. Corn and beans keep at zero temperature for a year. A turkey will last from six to nine months without sacrifice of flavor or quality. (Before cooking it, be sure to thaw it out to assure even roasting.) Pie, on the contrary, is best if popped into the oven still frozen. The melon balls (like the cranberries, put away at the height of the season when prices were lowest) keep their freshness anywhere from six to nine months. The Skinners do not have a full-time servant, but thanks to their intelligent planning, they can entertain light-heartedly.

Every housekeeper has her own problems and special requirements. You may have a resident maid, a family of eight. You may like formal parties, or picnics. Your hobby may be pastry-making; your husband may be a barbecue artist. But if you take these habits into account and analyze them, you can accommodate them easily, without confusion. Your family's tastes are what make the plan which makes the kitchen.

For names of manufacturers and prices see page 110.



FOOD IN PREPARATION, moves left to right from the refrigerator past the sink to the stove and its serving counter in the foreground.



THE HOME FREEZER costs \$299.75; available through the Frigidaire Division of General Motors Corporation

This home freezer
makes impromptu
entertaining easy.

Plan to save extra steps and minimize motion



vegetable storage
sink and dishwasher
work area
china
spices, cereals
cooking area
cutlery

Counters, sink and stove in Mr. C. S. McDonald's kitchen are planned like an assembly line down which the meal moves toward the dining room.



velvet-lined lockable flat-silver drawers
individual drawers for linens
silver fine china
silver glass towels
sink for glass, china, silver

Fine things in constant use have their own sink, drying-counter and storage space in Mr. and Mrs. H. Gray Muzzy's kitchen. Linens and silver are kept in individual shallow drawers below glass and china cabinets.



cooking area
china
utensils
peninsula and storage area
electrical appliances
utensils
sink
towels

A sit-down work counter at which four people can sit, makes the hub of Mr. and Mrs. B. A. Jeffery's large kitchen. It is backed by utensil cabinets.

Plan to utilize the center of your kitchen



Between two small rooms, which Mr. and Mrs. Henry Hogan combined into a long kitchen, the main work area was built around the old partition.

Plan separate sections for specialized tasks



snack bar
sink
liquor
glasses
trays
wines
silver
dry storage
appetizers
refrigerator

Hobbies, such as caring for wines, need their own areas. As bartender, Mr. C. P. Bedford presides over his own sink, refrigerator, glass and liquor cabinets.

Plan your equipment to capitalize on space



cooking dishes and utensils
spices, cereals
ventilation system
cooking area
rotary shelves
sink and dishwasher
food cupboards
snack bar

Concentration of Mrs. Bedford's apparatus in one end of the kitchen accommodates the bar, top of page. The other end of the kitchen is left free for the comings and goings of a large family.



The architectural features of the Jeffery kitchen, opposite page, make the servants' dining alcove inviting.



Light table in the Muzzy kitchen, opposite page, gives mobile working surface, stand for food or utensils.



Dual-purpose counter in the Bedfords' kitchen, left, can serve as a snack-bar or preparation center.



Additional kitchenette unit in the Muzzy house, opposite page, adjoins game room, is used for entertaining.

Saving ways can become Saving graces

A sheaf of ideas that are high in imagination, easy on your budget

If you doubt that inventiveness can ever take the place of dollars in decorating a house, read the next 11 pages. You will see how half a dozen people have met the pocketbook-challenge with ideas as original as they are ingratiating. Here, too, are HOUSE & GARDEN's own suggestions on how to reclaim cast-offs, how to animate static rooms. You will learn that saving ways can become saving graces.

Make your home an echo of your own personality. Forget about the classic uses for things which, like what-nots and pier-glasses, were invented to serve another century. You may want to use the former as a shoe-rack, the latter as a screen on which you mount pictures. Make each small ornament count by placing it with as much drama as if it were a valuable bibelot. Mrs. Sigourney Thayer (page 50) does this with the silver nutmeg-holder her grandfather carried in his waistcoat pocket, a silver anklet from Mombasa. Sentimental and romantic, they are part of the personality of her house—which is *her* personality.

A little paint will cover a multitude of peccadilloes. If a piece of furniture is carved, pick out in gold or in color only those elements of the design that appeal to you. Cultivate a healthy, up-to-date attitude toward superan-

nuated heirlooms. By smoothing down pompous carving and lopping off curlicues, any "little man" with plane and saw can do wonders toward uncovering the virtues of a basically sound piece.

Within the past year, wallpaper designers have thought up a score of new decorating props. Now, with *trompe-l'oeil* fireplaces, bookcases, moldings, doors, brickwork—even a half-drawn red velvet curtain, you need never feel that you are stuck with your four walls. Try *dé-coupage*, using as your source-material a sheaf of samples and end-bits bought from your paper hanger. Use decorative tiles, for instance, as a radiator cover or to top the window sill on which you keep your flowerpots.

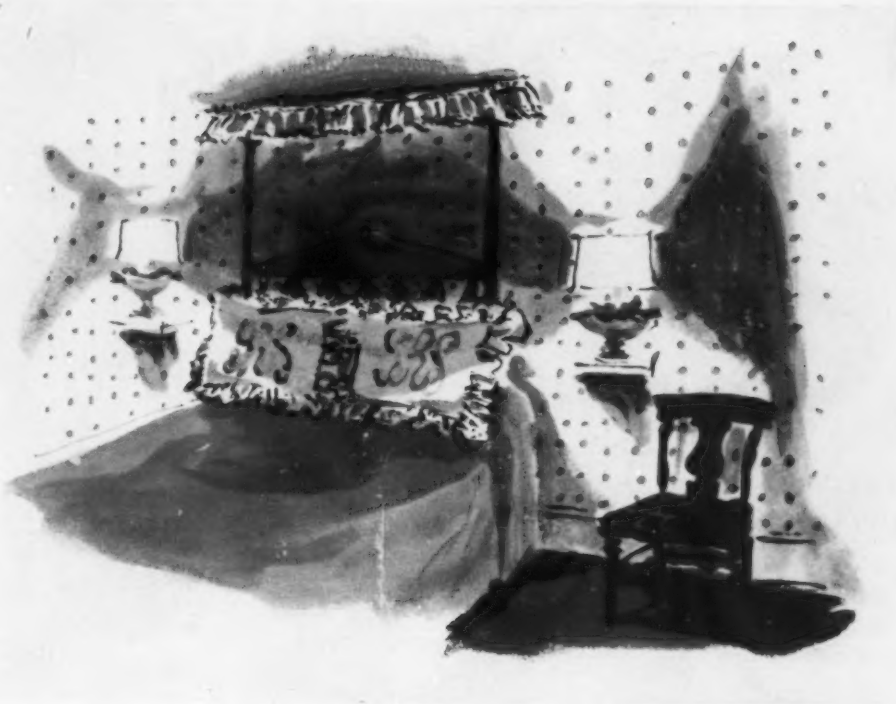
When it comes to hanging curtains, there are devices on the market that guarantee a professional-looking job. But it's fun, too, to try your hand at swags and festoons. One young woman we know loops curtains through big rings which are inexpensive plastic bracelets. Or you can simply hook your unhemmed lengths onto the molding (page 48) and get a grandiose ceiling-to-floor effect. Such ideas are inexpensive but they are in no sense stopgap. In forthcoming issues, HOUSE & GARDEN will bring you further ideas on how to make the most of your own good taste.

On the next eleven pages

you will find how:

- to brighten up your room with color,
- to rescue your white elephants,
- to live agreeably in a small house,
- to give a lift to old furniture and floors,
- to save space by using closets to the last inch,
- to make the most of the double-duty kitchen aids,
- to team new inexpensive material with wallpapers.

You can do any of these



Paint a headboard, add a ruffle

On the wall of Mrs. Cecil Baker's guest room is a headboard painted by Hanley Hensch. Mrs. Baker added the organdy ruffle to match the pillows. Result: box-spring gives the effect of four-poster.



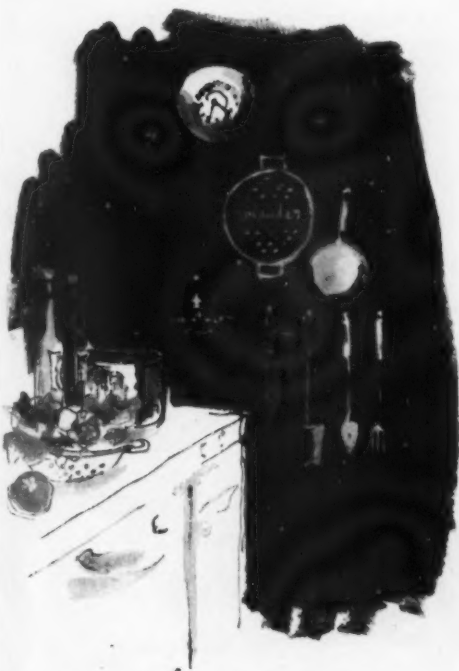
Paper the inside of your closet

Match your closet interior and bedroom walls by lining them with the same flowered wallpaper. Suggested here: a blithe pattern of butterflies.



Dramatize a picture with shutters

A painting becomes a vista, gains in scale, has a new element of surprise if you frame it with small wooden shutters as Mr. Ted Sandler does.



Outline your kitchen utensils

Comical as a Bemelmans painting is the kitchen décor which Mr. Lester Gaba achieved by tracing kitchen utensils on the wall. It serves to keep each one in its proper place.



Frame a door in growing ivy

A nondescript entrance gains charm, invites you, if, like Mrs. LeRoy Chadbourne, you frame it in real ivy. Try this, too, in a kitchen or dining room, or to make a small foyer look airy.



DRAWINGS BY CHARLES HEILEMANN

Line an alcove with a bold pattern

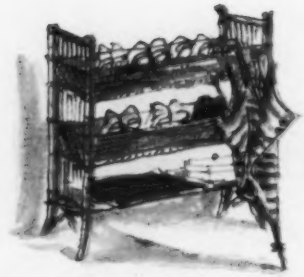
A jog or an alcove becomes an asset if you give it a personality of its own by lining it with an assertive motif. Try bird or botanical prints, or Katzenbach & Warren's Audubon wallpaper.

Color your white elephant



Paper your walls with plaid chintz

The dashing wall and ceiling treatment which William Pahlmann used for the boy's room in Colonel Walter Pew's apartment dramatizes odd pieces of furniture, old lanterns, double-decker bed. The latter is ideal for a youngster's room, as a space-saver.

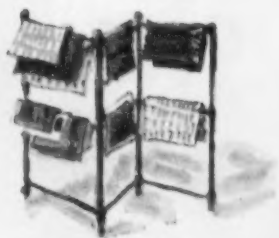


A wicker stand, brightened by paint, holds Mrs. Gerard Lambert's garden shoes.



Paper a chest to match walls and ceiling

In an attic bedroom, paper your dresser to match the walls, either using the paper intact or as decorative *découpage*.



A towel rack of a gay color is used by Mrs. Gerard Lambert to hold magazines.

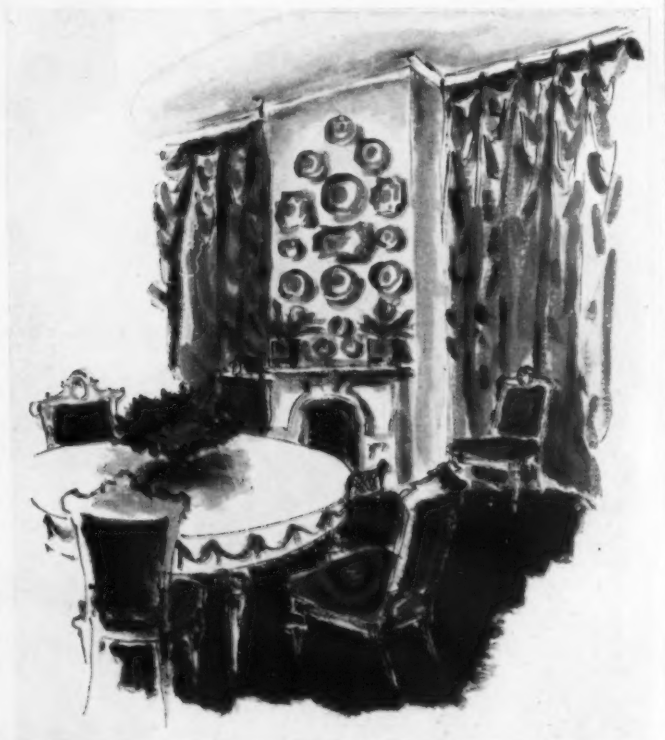


Colored tiles as a game-table top



Transform a bombé chest with black lacquer

Against a gaily colored wallpaper, Mr. Ted Sandler placed this Victorian piece, lacquered black, to contrast with its white marble top. Note miniature grilled door to keep dog in kitchen.

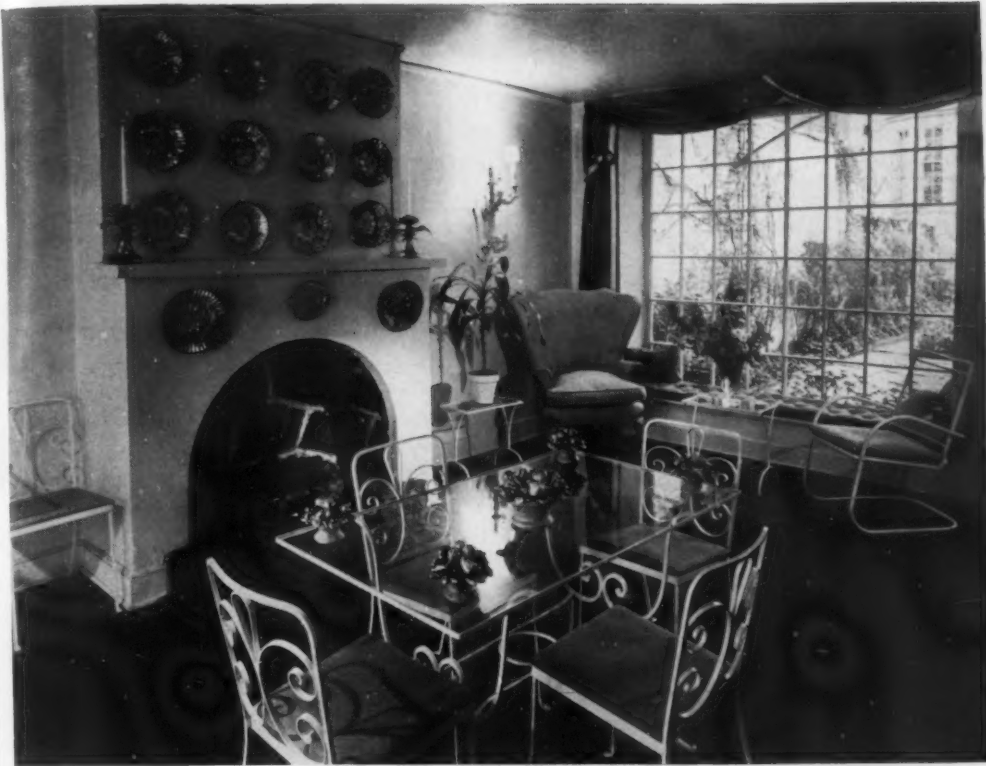


Renovate with white and gold

Dining room furniture rejuvenated by white paint with touches of gold. Favorite china was used to make an overman:el décor. Badly-proportioned windows were masked by lengths of brilliant fabric swagged onto the molding.

DRAWINGS BY CHARLES HEILEMANN

A light touch for a brownstone house



The Alexander Libermans' dining room

"The whole house," says Mrs. Liberman, "is white and light. For the dining room we chose iron and glass furniture so that it can be moved out into the garden in summer. Mexican plates over the mantel cost us \$1 each; we mass them as a panel of color. Flanking them are Mexican tin candlesticks, \$6 apiece. The screen, right, is papered with reproductions of Bernard Lamotte's Paris scenes which were cut out of a charity ball program. We painted green and mauve frames around them."



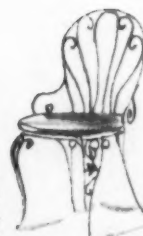
A pale living room makes a background for art

"Marcel Vertès did the sketch over the sofa and the screen (which, though printed, looks like an original). White walls, beige upholstery and pale gray rug set off their light colors—poppy reds, off-pinks and pale lemon yellows. The vase is an old-fashioned china water pitcher; it cost \$1. We painted the rattan Canterbury white."

If you like the garden look . . .



Reproductions of Provost flower prints, left, heavy rag paper, cost only \$5 for a portfolio of six at the Old Print Exchange, New York; use them singly, grouped on a screen or to paper an alcove. Lee Woodard's elegant wrought-iron armchair, above, costs \$38; the matching iron and glass table, far right, is \$110 and straight chairs are \$33 each; Lammert Furniture Company, St. Louis. Marcel Vertès' delightful plates ent, right, are by Castleton, cost



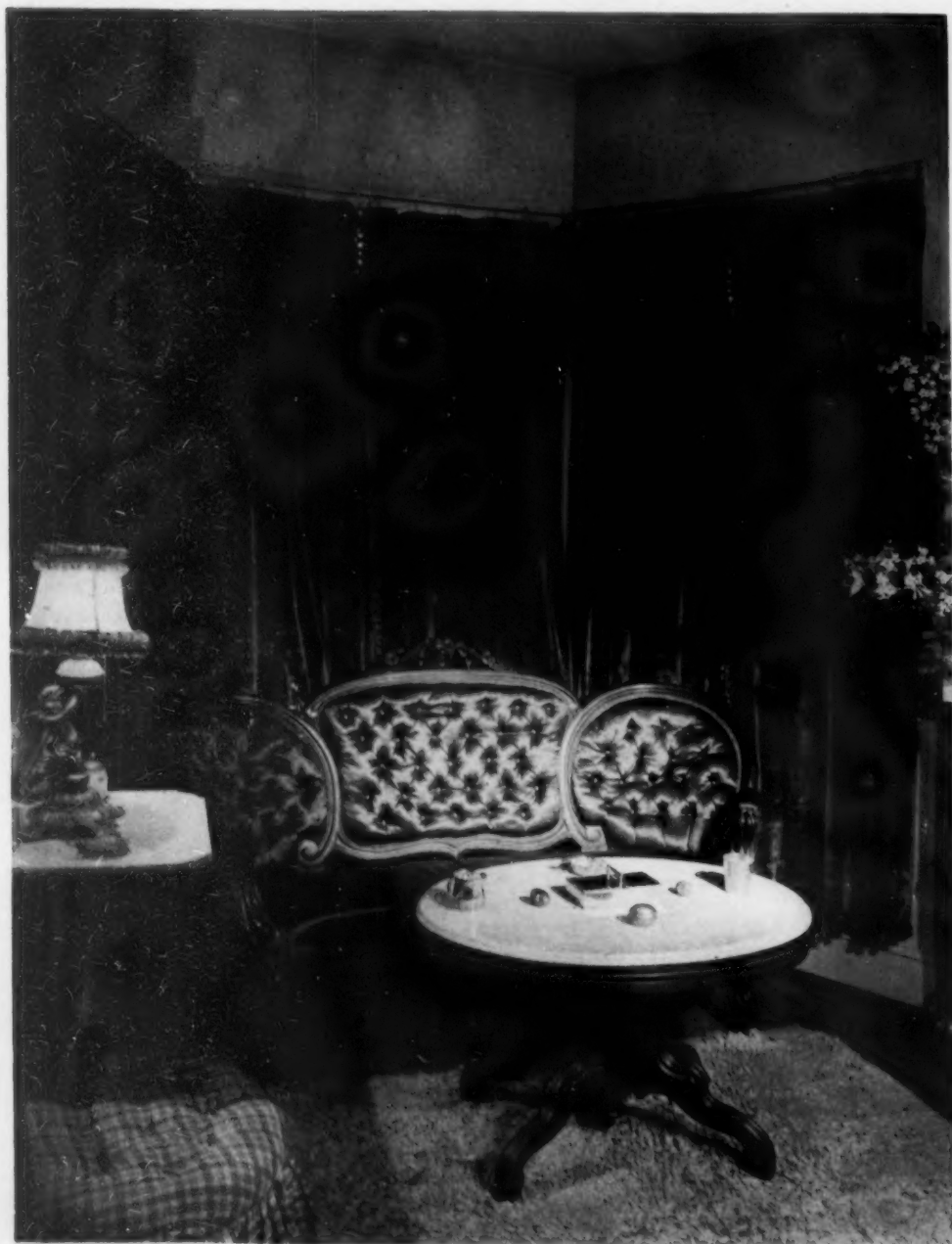
are hand-engraved on six at the Old Print Exchange, New York; use them singly, grouped on a screen or to paper an alcove. Lee Woodard's elegant wrought-iron armchair, above, costs \$38; the matching iron and glass table, far right, is \$110 and straight chairs are \$33 each; Lammert Furniture Company, St. Louis.



hand-painted, each one different, \$4 apiece at B. Altman, N. Y.

Nothing in this little Georgetown house cost more than \$35

A curving staircase gives the tiny house an air Dumbarton Willow, *right*, Mrs. Sigourney Thayer's Georgetown house, is as gay and disrespectful as its name (derived from a tree in the garden and its proximity to Dumbarton Oaks). Furnished largely at Sloan's auction room in Washington, no single item cost over \$35.



The living room fulfills Mrs. Thayer's "suppressed desire for Victoriana" "My 50-button sofa (for which I paid \$23) looks a dream done up in red satin. Handsomely tasseled wine velvet curtains cover the bay window, cost \$30. I went in for marble in a big way (the center table is cut down) put a silly ruching on the \$9.50 cherub lamp (I like the idea of cherubs chasing away gloom)."



KERTESZ

Furnishing to a tiny fireplace, a corkscrew stair
"The alabaster-topped table cost me \$19, the chairs \$26 and \$31. Above them is a funeral wreath in a gilt shadow box. On the mantel, *sous cloche*, is a curious object I fell in love with in the Paris Flea Market, a tiny tufted gold and red velvet armchair. Macy's plaid loveseat makes nice sitting if the guest's not too broad in the beam."

A postage-stamp garden is an outdoor room, right
 Sheltered by a white board fence and a house-high willow, Mrs. Thayer's garden is one of Washington's smallest. A nest of iron and glass tables saves space. Plants in the window merge indoors with outdoors.

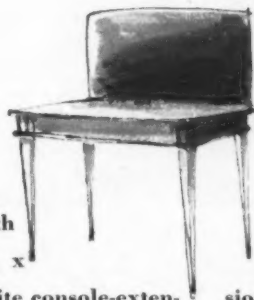


Dining room has modern paper, a miniature niche-cabinet
 "I couldn't find a sideboard small enough, so I darkened a pine bureau, picked out its carving with gold paint to match the decoration on the \$2 chairs. The dining table, a modern Duncan Phyfe number, was priced at \$24 because its top was scandalously scarred by liquor. For \$10 my carpenter smoothed it as soft as a rabbit's nose."

Découpage in Victorian-Baroque trompe l'oeil, right
 "Robert Edmond Jones found these for me in Bloomingdale's display window. I bludgeoned their advertising department into selling them to me for \$30."

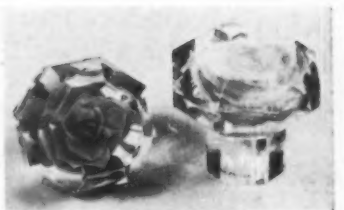


If your house is tiny....



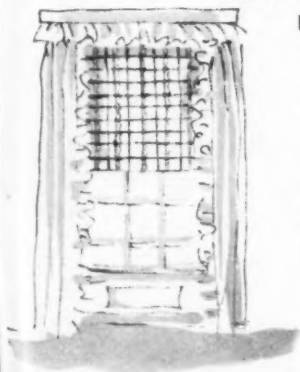
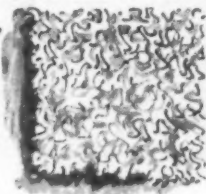
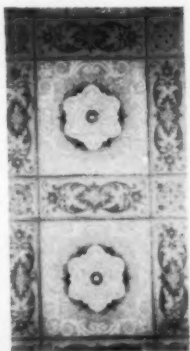
Try Columbia Mills' plaid window shade, left, with hand-screened color combinations, 36" x

modern furniture; in four 60", \$5 custom-ordered at G.



Fox & Co., Hartford. Get the Hepplewhite console-extension table, above, for all-round adaptability, by Design, Inc., Charlotte, N. C.; \$90 in mahogany at B. Altman. Roses are embedded in a Victorian Lucite doorknob, above; \$7.50 a pair, \$3.75 each, matching drawer-pulls \$3.50 each; at Edith Chapman, New York. Quaker Maid rug, right, white or color, 4' x 6', \$21.95, Blooming-

York's Colonial \$1.20 a roll pletwist" cotton



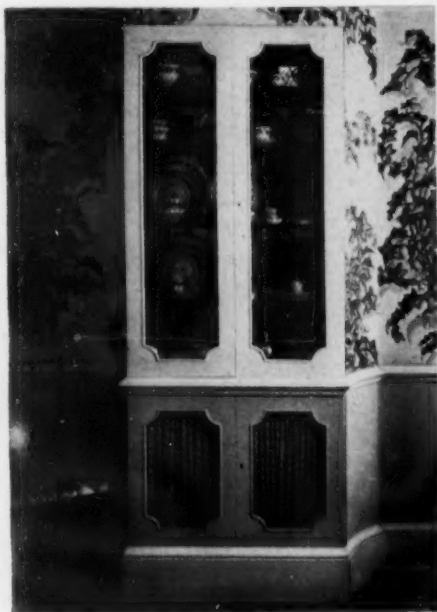
Large living in small space



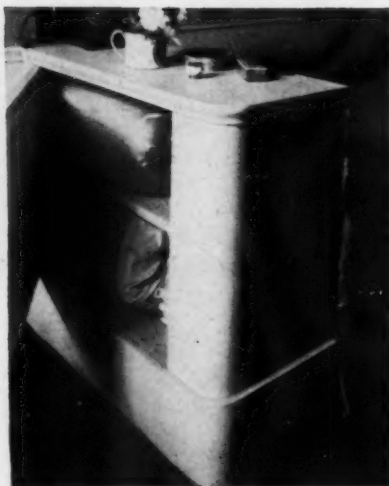
Closets are ingeniously placed. In his New York apartment, Mr. Ted Sandler, designer, puts every available inch into storage space.



SCOTT HYDE

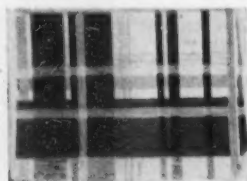


A cabinet built into the foyer. "In this closet, I keep fine china above, bar things below, mix drinks on a shelf which pulls out."

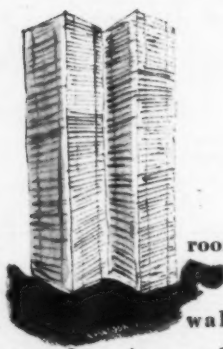


All the furniture is on a small scale. "I designed it myself (with a slight bow to Chippendale). Like the table, which has 18th-Century tiles, representing actors, inlaid in its top, much of it is lacquered black." To give the illusion of space, Mr. Sandler chose pale gray walls, mirror panels, tall door shutters. **Left: Bed-ends hold pillows and blankets** "By using my bedroom as a study in the daytime, I get 24-hour use out of it."

If you want to give your own apartment an air . . .



Make the most of the surprise element of plaid by papering your bedroom in United's "Balmoral" pattern, *left*; \$1 a roll, in many color combinations, at Thibaut, New York. Achieve the cool look of real shutters with "Slats" from Katzenbach & Warren, New York, \$6 a roll; use it on a screen, *above*, in one of many color choices. Accent a neutral interior with darker furniture, such as the 68-inch ebony table, *below*, by George Nelson, \$60, at the John Shillito Co., Cincinnati. Investigate uses for photographic tiles, \$2 each, Edwin Jackson, Inc., New York.



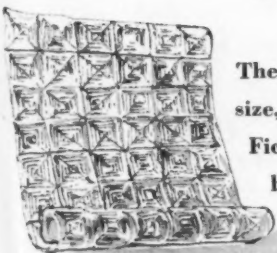


A gay décor out of odds and ends
Far from wanting to forget their war souvenirs, Mr. Joseph E. Copp and Mr. Michael L. Lanphear planned their remodeled garage around them. Set in a tangle of exotic trees and shrubs, ship-white inside and lemon-yellow out, it is shielded by rattan blinds, *below*, brought back from the Philippines.



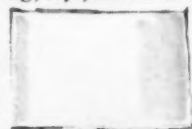
A setting for their war mementos
"To recall the tropics, we lined the window bay with louvered shutters and put a big-leaved plant on a pedestal made of whitewashed piling. The table is a \$14 slab of Vermont slate set on a pilaster from a ruined Italian villa. The \$8 stove came from a Santa Barbara junk shop. The color scheme is bone-white and gray, with touches of navy and lemon yellow."

If you want tropical flavor . . .

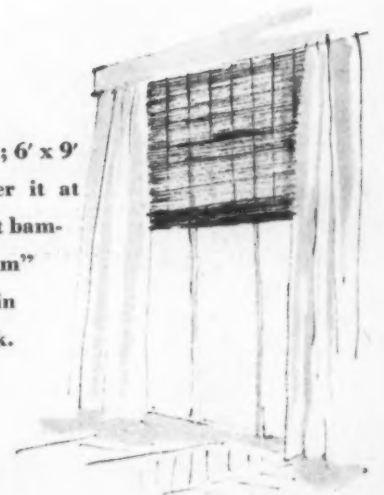


The sturdy West Indian rug, *left*, made of light tan palm fiber size, \$35; 8' x 10', \$53; Ficks-Reed, New York.

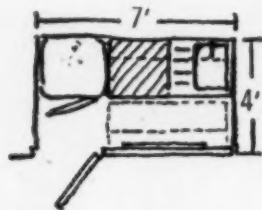
boo, *far right*, \$2.50 lamp, *right*, in black, red, white or Eames chair of molded birch,



9' x 12', Tropical Knit—a square foot, B. Altman, New York. Carré's "Starbeam" black, also bleached or malachite Checkwood; shade in bottle green; each \$30 at Designed for Living, New York. top, center, is \$35 at The Halle Brothers Co., Cleveland.



You can have a working kitchen or a bar in a closet



Floor plan of kitchen, *right*, with front panel closed. Note that short-hinged section allows access at all times to refrigerator.



A complete kitchen which folds into 4' x 7'

The key to the compactness of the kitchen is the Universal Bantam electric range 22½" x 14" x 42" (high), with a front which opens out. It bakes, broils, roasts and cooks, has a compartment below for pots and pans, plugs into any appliance circuit and costs \$99.50 at W. & J. Sloane, New York. Shelf, right, folds down when door is closed.



Disappearing bar: door closed, it's just a closet

A really professional bar with refrigerator, running water, storage space for glasses, mixers and bottles, plus two work surfaces, is tidily fitted into a 4'-wide closet. Basic unit here: a Northwyck House Bar, at Regan Furniture Co., New York. Note how top cupboards are slanted to fit together when door is shut.

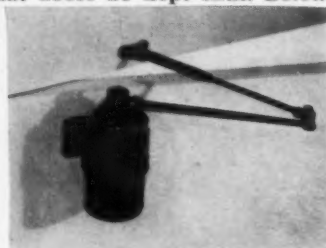


Cross-section drawing of bar, *left*, shows how overhead cupboards fit together when door is shut, work shelf folds flat.



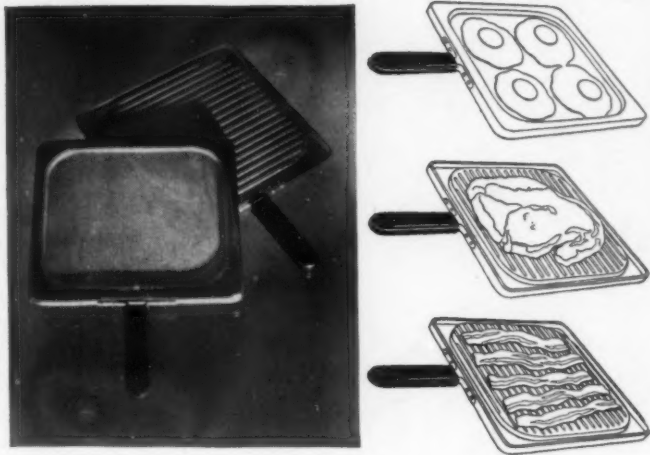
If your kitchen is tiny . . .

The smaller the kitchen or bar, the more they need the lift of accessories which are useful, attractive and don't take up space. Copper molds look well on the wall. Aspic mold, *far left*, \$3.85, fruit design beside it, \$4.25, both postpaid (no C.O.D.'s), Bazar Français, New York. Flexible plywood chairs are compact, comfortable, sturdy and good to use where space is at a premium. The one *above*, \$12.50 from L. Anton Main, New York. In close quarters, it's important that doors be kept shut. *Below* is an automatic silent door closer, made by Yale & Towne. At hardware stores, \$13.50

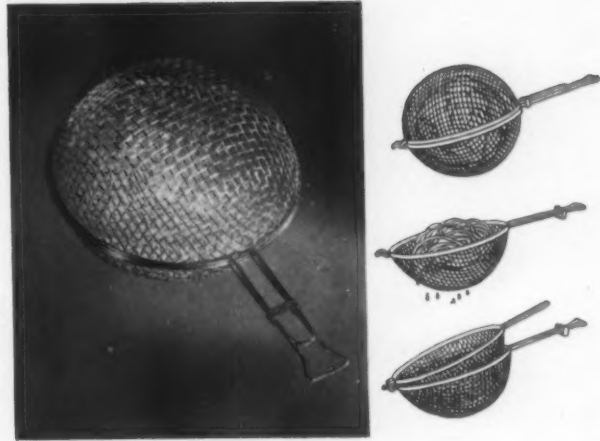


up, according to the size.

Each of these kitchen aids does the work of many



Fries on one side; broils on the other. Cast of thicker aluminum in center for even browning, "Happy Day" Griddle-Grill is squared for maximum frying surface, ribbed on reverse side for topstove broiling and channeled to drain off grease. \$3.24. Macy's, N. Y. 1.



Lettuce basket divides in half; becomes twin strainers. The "Twirlabout" handles clamp together to make a tight seal when washing lettuce, greens, fruits or vegetables; separate for use as strainers and nest for storage. \$2.25. Lewis & Conger, New York 19.

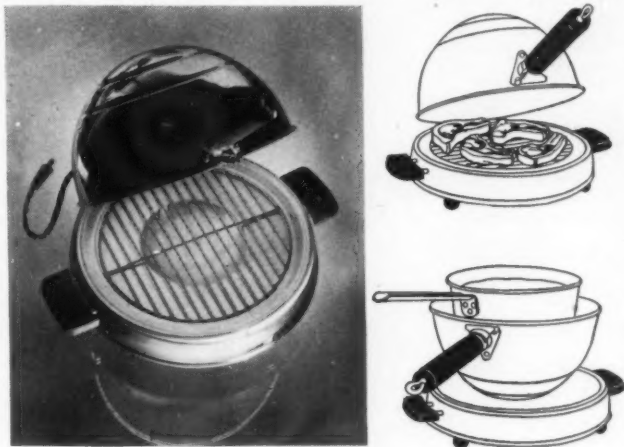
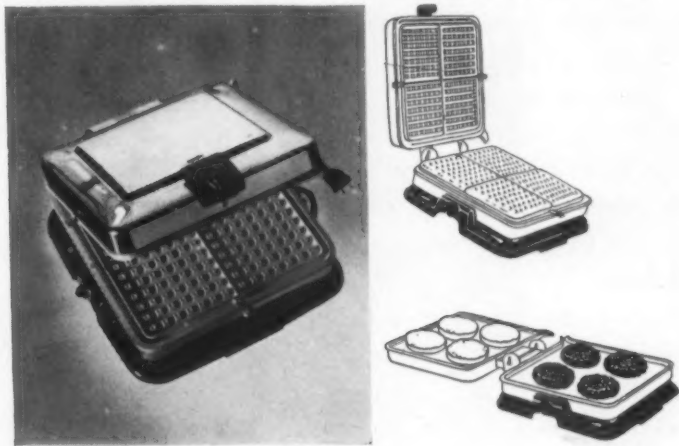
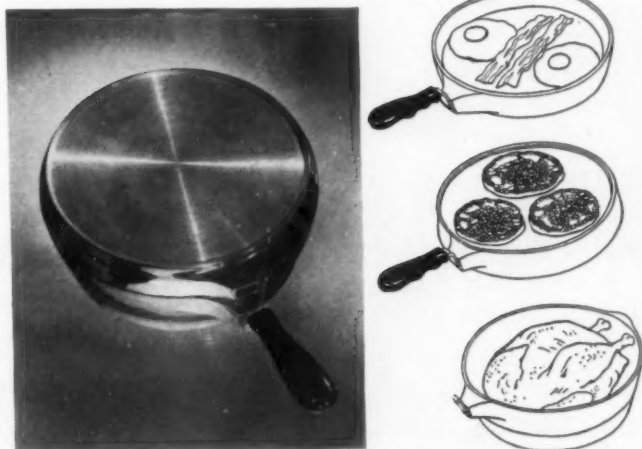


Table cooker broils and boils: Manning Bowman's versatile electric smokeless broiler does steaks or chops to a sizzling turn at high heat; the cover unhinges, inverts to make a hot plate for saucepan cooking at low heat. AC-DC. \$16.95. W. & J. Sloane, New York 18.



Waffle baker converts into double grill: foursquare waffle grids slip out of this thermostatically controlled electric Arvin cooker; top opens flat to make two large cooking surfaces for frying, grilling or toasting for four. \$27.95. Hammacher Schlemmer, N. Y. 22.



BAKER

Cooker with skillet-griddle cover: top on, handle off, it makes a Dutch oven, roaster, topstove baker; bottom up, a griddle. Cover with detachable handle is a skillet; reversed, another griddle. Polly Cooker in cast aluminum costs \$8.95. Marshall Field, Chicago 90.



DRAWINGS BY
WALTER YOUNG

All-in-one cooker in minimum space. Whole meal cooker with vegetable pans, pudding dish and rack; minus inserts, a 10 qt. Dutch oven, a preserving kettle. Pudding dish acts as casserole; twin halves as warm-up pans. \$9.95. Wanamaker's, N. Y. 3 & Phila. 7.

Dual-purpose aids to cooking give maximum service,
store in minimum space. More shown on page 84

Why not do it yourself?

How to

pickle furniture

"Pickling" means stripping a piece of furniture, adding a light overtone. It can be done by burning acid into the wood or rubbing in paint. Acid is apt to pit the wood; paint, easier to apply, gives a more controlled finish. 1. Place your piece of furniture where it can stay at least four days and where there is good ventilation. 2. Wear rubber gloves throughout and a pair of glasses. 3. If the upholstery is in good condition, remove it. 4. Test the recipe first on the back of a console or chest. 5. Don't start unless you are willing to spend time rubbing with sandpaper, steel wool and wax for a professional finish.

Now: 1. Remove all paint and varnish with paint remover, applying liquid with a brush and allowing it to stand until paint softens. Then scrape the paint off with a putty knife. Clean the wood immediately with alcohol or benzine. Let it dry for a day. 2. Sandpaper with #00 sandpaper. 3. Some woods that have been stained grow darker when bleach is applied. (Test bleach on an unimportant surface.) Commercial bleaches are available at any paint store. Follow directions on bottle. Again wash the wood with alcohol or benzine and let it dry thoroughly. 4. For the pickled finish, use a light mixture of oil paint in a tint of white, beige or gray. Apply with a brush or cloth and rub off immediately, until you have the amount of color you like. An uneven texture, with natural wood showing through, is the desired effect. Leave it until it is dry to the touch. 5. Rub lightly with fine steel wool and seal with a thin coat of shellac or several coats of wax. Inspect glue when finished.

How to

splatterdash

To splatterdash a floor, first paint it a solid color. When it is dry give one section a second coat. When this section has dried until it is just "tacky" or sticky, it is time to start splattering. (Paint splattered on a dry floor is apt to wear off with use, but on a slightly wet floor, it will hold more firmly.) Splattering is done with a very coarse paint brush or long-handled whisk broom. Dip the brush into the paint, making sure it is not so heavily laden with paint that it drips. You strike the brush sharply against a stick (the diameter of a broom stick), holding it about a foot from the floor. Smaller splatters can be made by using less paint on the brush. (Be sure to shield the walls. Strips of cardboard lined up along the baseboards work well for this.) You can splatter with either one color, or two or three contrasting colors, using one color at a time over the entire area. When the floor is thoroughly dry, apply a wax surface using any brand of wax which you ordinarily find satisfactory on floors.

How to

use foam rubber

Foam rubber is lightweight, odorless, completely sanitary, non-appetizing to moths and guaranteed against sagging. Aside from regular upholstery jobs, it can be used to cover chairs, stools, headboards and seats of dining room chairs. It is made in different sized sheets, from 1/4" to 1" thick. If you need it thicker, glue two or more pieces together with rubber cement. Here is how you upholster the seat of a chair:

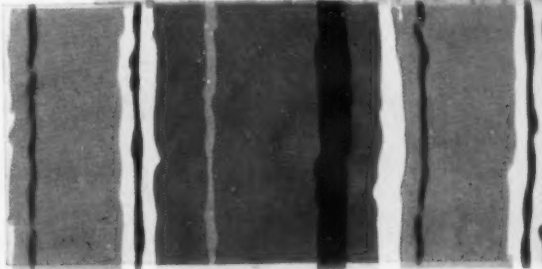
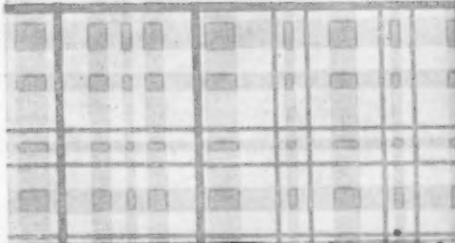
1. Remove the seat from the frame and then take off its old covering.
2. Draw an outline of the seat on a piece of paper, allowing 1/4" on all sides.
3. Cut out the paper pattern, lay it flat on the material and trace the outline with pencil or crayon.
4. Cut out the pattern with ordinary scissors dipped in water.
5. Tack the covering in place over the foam rubber, driving your tacks up from underneath into the wood. For separate cushions, the foam rubber can be slip-covered and tied onto the chair frame.

Opposite: 7 fabrics, 7 wall coverings prove
that taste is not a matter of price

You can buy taste on a budget—if you know where to look. HOUSE & GARDEN has proved this point through the years. The fabrics and wallpapers (shown here a fifth life size) are additional evidence. Note the enchanting French Provincial wallpaper (5) for 75 cents a roll, the engaging, fern-printed Celanese (4) which won't sag or fade and is well worth \$4 for a 50"-wide yard. There is more here than meets the eye. All 14 of our finds are geared to stand up against the wear and tear of everyday life for a long, long time. Fabrics have good body, fine texture. Wall coverings such as "Sanitas" (7) will repay your original investment many times over, being impervious to finger marks or more serious damage. Both the materials and the wall coverings are made in many colors and are sold in stores across the country.

7 wall coverings and fabrics— teamed decoratively, bought on a budget

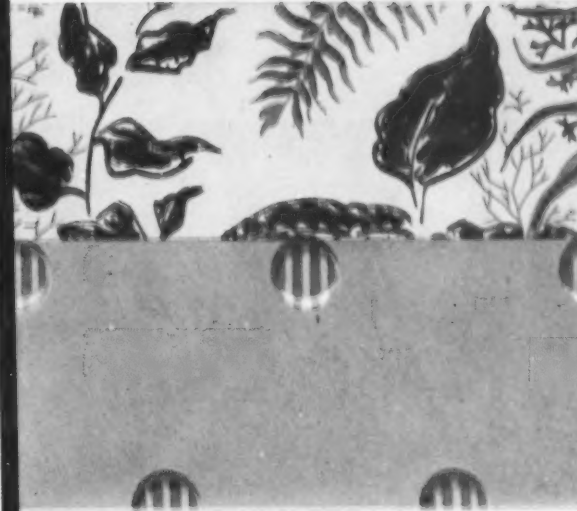
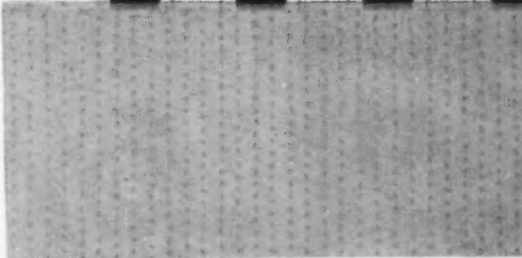
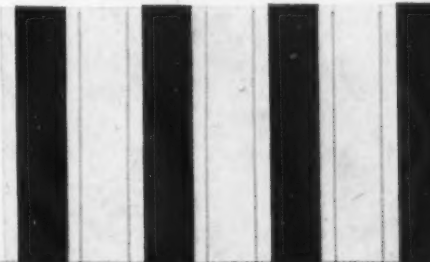
1. Give the children crisp
plaids, country stripes for
playroom or nursery.
Imperial paper, \$1.25 a
roll, Le Boff's, Inc.,
New York. Waverly 36"
"Glosheen" fabric,
\$1.50 a yd., The Shillito Co.,
Cincinnati.



2. For a cool bedroom:
have dark green papered walls
and bright butterfly chintz.
Cyrus Clark 36" "Everglaze" chintz,
\$1.25 to \$1.45 a yd., Bullock's,
Los Angeles. Imperial paper,
\$1.50 a roll, Le Boff's, Inc., New York.



3. In a guest room,
try chocolate-striped walls,
dotted net curtains.
York paper, 75c a roll,
W. H. S. Lloyd Co., New York.
Roomaker 49"
marquisette
by Seneca, 50c a yd.,
La Salle & Koch,
Toledo.

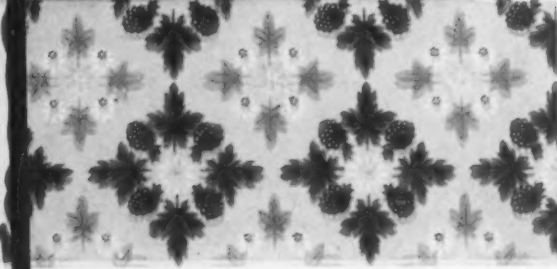


4. For a friendly, small
dining room: pick fern-printed
curtains and a smartly
dotted wallpaper.

Celanese 50" Multicord,
\$4 a yd.,
Lord & Taylor, New York.
"Malmaison" paper,
\$3 a roll,
The Warner Co.,
Chicago.

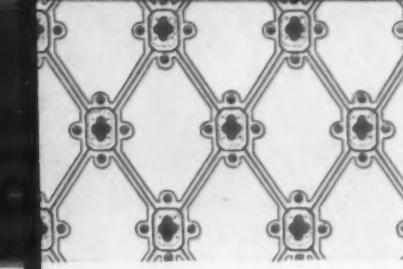
5. Paper the walls and ceiling of
a dormer-windowed bedroom
with a fruit pattern, use
lacquer-red upholstery.

Burlington 48" Jacquard
cotton, \$2.25 a yd.,
W. & J. Sloane, New York.
United "Berry Lane"
wallpaper, 75c a roll,
Richard E. Thibaut,
Inc., New York.



6. In a bath-dressing room
use plastic-coated fabric for
dressing table, curtains,
a jewel-printed wallpaper.

Goodall 36" "Vysheen," \$2 a yd.,
Jordan Marsh Co., Boston.
Wallpaper, \$1.65 a roll,
Thomas Strahan Co., New York.



7. Combine classic red corduroy
and woodgrain fabric wall covering
in a man's study.

Textron 54" corduroy, \$3.50 a yd.,
The Halle Bros. Co., Cleveland.
"Sanitas" 48"
wall covering,
\$2.75 a roll,
Stern's, New York.





HAANEL CASSIDY

Dinner on a three-way budget:

- (1) Money budgeted, table setting is inexpensive.
- (2) Space budgeted, small tables slide under large one.
- (3) Menu budgeted, see cooking article, opposite page.

Only thing not budgeted: good taste.

Prices on opposite page

Your parties can be good examples of a lot of Taste for a little money

BY MARY GROSVENOR ELLSWORTH

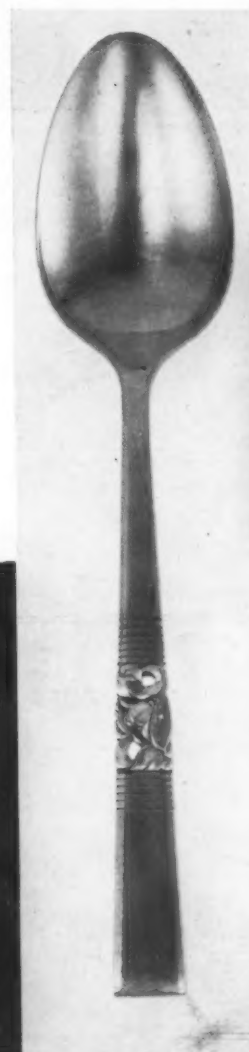
There's one heaven-sent advantage to entertaining on what the advertisements call a "limited income" in this particular day and age. Everybody, with or without limitations, has suddenly acknowledged that it isn't much fun to be fancy. All you have to do is get out the casserole and the salad bowl.

If you need any bolstering for your morale, in the face of asking guests to share your fare, just take a historic view of your dishes and feel much better. Lots of the great culinary classics rank high among the world's least expensive meals. They started as peasant food—what you and your butcher both know as the "cheaper cuts."

There are a few principles you had better know that govern the cooking of cheaper cuts. They cook best moist. They are apt to end up tough, stringy and dry if you try to broil or dry-roast them. Moist cooking draws the flavor and essential goodness out—a principle you carry to its ultimate expression when you make soup. Two results concern us now—you must augment the seasoning for moist-cooked meats, and star the gravy, where much of the flavor settles. The necessity for augmenting the flavor explains pot-herbs, from the traditional carrot and onion in the stew to the bouquet garni, and the practice of cooking meats, fish, even vegetables in a broth. The importance of the gravy explains the whole Continental (Continued on page 96)

Opposite:

Flatware: Morning Star pattern Community plate, \$69.75 for a service of 52 pieces for eight, Marshall Field & Co., Chicago. China: American Modern designed by Russel Wright, distributed by Richards Morganthau & Co., from 40 cents for an ash tray, to \$3.85 for the salad bowl, Wanamaker's, New York. Westmoreland English Hobnail water glasses, \$6 dozen, Stern's, New York. Imperial punch cups, 15-piece set, \$10, Macy's, New York. John Matouk napkins of Goodall fabric, 60 cents each, Barker Bros., Los Angeles. Mats designed by Emmy Zweybruck, printed by Prang Textile Studio. Shells, Bergdorf Goodman, New York. Large table and four small ones, \$75 the set, upholstered chairs, \$105 each, designed for the Pendleton Collection by Joseph B. Platt, made by Robert W. Irwin Co. From John Wanamaker, New York.



Community Plate spoon, center, flanked by Westmoreland glass, left, and Imperial punch cup, above.





Fraser's Magnolia

from Virginia

Magnolias

This family of beautifully flowering trees
supplies varieties to thrive in all sections

BY LAMBERTUS C. BOBBINK

Close to a quarter century ago, John G. Millais, scholarly English horticulturist, wrote, "Year by year, the taste for the real treasures of the garden is improving. Already experts are turning their attention to magnolias as a first choice. A plant so easily managed, inexpensive to obtain, and exhibiting in itself the very joy of spring, cannot be definitely ignored." In the intervening years that prophecy has come true. More gardeners than ever choose magnolias for garden adornment. Magnolias, named for the French botanist, Pierre Magnol (1638-1715), are brilliant in springtime, blooming as they do in many varieties, before the foliage appears. Magnolias range from creamy white to dark purplish-red



Campbell's Magnolia

from the eastern Himalayas

and there is also a yellow, *M. acuminata cordata*, quite rare, though it is a native of South Carolina and Alabama. In the vicinity of New York it blooms about May 15, and is reliably hardy. Some magnolias are very fragrant, which adds greatly to their popularity. Whereas quite a few varieties today are of foreign origin, we have these beautiful types native to our own country:

MAGNOLIA GLAUCA, Sweetbay magnolia, an attractive shrub or small tree with fragrant white flowers 2" to 3" across, blooms in the vicinity of New York mid-May to early June. It is hardy even as far north as Massachusetts in the coastal area. **M. GRANDIFLORA**, Southern magnolia or Bull Bay, is per-

fectly hardy as far north as Norfolk, Virginia, although occasionally plants may be found growing well in the vicinity of Philadelphia and even as far north as New York City. The flowers are creamy-white, very fragrant and about 7 to 8 inches across, stamens being purplish-red. It reaches an ultimate height of approximately 80 feet in eight to ten years. Cone-like fruits which appear after flowering contain bright scarlet seeds, often suspended from the cone by thin threads. **M. ACUMINATA**, the cucumber tree, grows to 90 feet, with inconspicuous greenish-yellow flowers. It is native from New York to Georgia and west from Illinois to Arkansas, blooming approximately May 25. It is (Continued on page 99)



1. A curved-path garden for informality

RICHARD AVERILL SMITH

How to plan a small garden

It was all very well for the poet Abraham Cowley to declare that his supreme wish was "a *small* house and a *large* garden." Most of us are thankful to have a house, however small, and the garden, big or little, is often an afterthought. Yet if that small house is to be given its proper garden setting, and we to enjoy the outdoor living it affords, much thought must go into its planning. Six questions should be answered before we start planning a garden:

What kind of person really am I—formal or informal?

What kind of contour has my property—flat, rolling, sloping?

How is my house located on the property? Are there outbuildings?

Are there any existing trees, or natural features, such as a brook or an outcropping of rock, that could be developed into centers of interest?

How much time and money can I afford to make and maintain a garden—keep lawns cut, flower borders cultivated?

What kinds of plants am I especially interested in? (Continued on page 112)

Making the most of small garden space

1. The curved-path garden

The advantage of an informal, curved path, *left*, is that it affords changing vistas. The flower beds each side should provide floral or color interest through the seasons. Here is a spring glimpse—dogwoods in flower, lingering daffodils, low Canadian phlox. Peonies are in bud. Iris and tall summer phlox will come along later, with chrysanthemums to end the year. J. Lundquist, landscape architect.

2. A brookside garden

Even on small places there may be natural features which can be developed, as in the woodland, brookside garden, *opposite, top left*. Under the trees are shade-loving azaleas and on the banks of the meandering stream, water-loving irises and such other plants as thrive in dampness. In the same way an outcropping of rock can be developed into a rock garden to bloom in the spring and summer.

3. Straight-path garden

A straight-line path garden, *opposite, top right*, in summer bloom—early daylilies, pinks, delphiniums. Note the variation in plant shapes—spired and rounded. To one side the border is extended into the lawn, making a separate room effect. A formal plan with informal planting suits the taste of most people. Straight paths extending from the house to the rear property can afford you long vistas.

4. Sunken-lawn garden

Several desirable elements are found in the sunk-panel garden, *opposite*. There is first, the variations in levels, the edges being supported by low stone walls. Steps are accented by shrubs. A dense tree and shrubbery background gives it seclusion. The central rock-rimmed pool is both a mirror for the sky and supplies the music of water. At the rear is a paved sitting-out place shadowed by trees.



2. Where you have a brook



3. Straight lines for formality

RICHARD AVERILL SMITH



GOTTSCHO-SCHLEISNER

4. A sunken lawn with shrub edgings

Bed, bath and beauty

Color has taken over in the linen closet, bringing with it charm and gaiety

The first week in January, will find your mail full of alluring announcements of "white sales." It's an old American custom to go from packing up Christmas tree ornaments, to taking stock of the linen closets. Yet never has the designation "white" been less appropriate. Classicists may have linen-white towels of the finest textures and great snowy bath sheets, if they will. But to the adventurous, there is a new world of wonderful colors glowing on linen counters in stores from coast to coast. HOUSE & GARDEN has shopped for you this year with an eye to the picture which you may paint with sheets and pillowcases, bath rugs, shower curtains and all the luxuries that go with them. On the pages which follow are the accessories to bed, bath and beauty, bright as so many butterflies. They are guaranteed to give a lift to the dark winter days ahead and to anticipate spring. What is even more practical, they are of a quality to serve you well through the vicissitudes of many a Monday washday and they are offered in a wide range of prices. Good color, good quality and fair prices are teamed, thanks to the continuous efforts of reliable manufacturers and the demands of prescient housewives. So when you set out to shop your way through the "January whites," go with a determination to combine bed, bath *and* beauty. It can be done today with the greatest of ease. It will pay off in a great deal of pleasure for you as you fold away your new household goods. Color is a tonic and it will do you good evenings as you go to bed, mornings as you wake.

Opposite:

Bedroom in the Berkshires

The windows of Mrs. Charles H. Marshall's bedroom at Tyringham, Massachusetts, open on a wide, tranquil view of the Berkshires. Soft, sun-washed colors of flowered chintzes are framed in a setting of pale yellow walls, trimmed with white woodwork. The slender-posted French bed is painted off-white and hung with French blue taffeta ruffles. The mirror-topped dressing table in the corner has a trim taffeta overskirt in palest lemon yellow, checked with yellow-orange. On the walls and on the mantel are Eighteenth-Century Dutch gouaches in becoming frames.



KERTESZ

Set in a Palladian niche

Powder room in Mrs. Dwight Davis' Washington house has a dressing table softly draped in green taffeta. Silver Chinese wallpaper is handpainted with motifs of flowers and birds.



LEONARD

Canopied French bed

For a guest room in Mr. and Mrs. Vincent Astor's New York apartment, decorator George Stacey used an antique French bed, French colors: powder blue, bois de rose.

Opposite:

A Bedroom in Connecticut

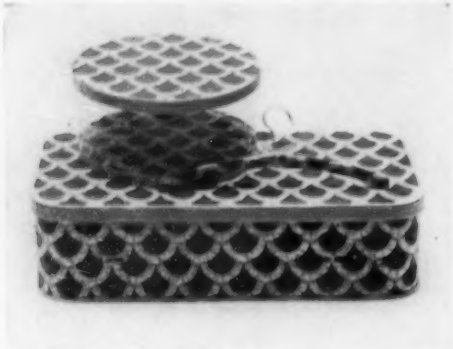
Mrs. Harry Payne Bingham's bedroom at Sharon, Connecticut, bears testimony to her love of flowers. Bouquets from her garden give it a special, fresh charm and she has chosen a chintz where pale orange and beige flowers bloom on a soft white background. Elsewhere the color theme of this room is cream and its allied shade, beige, which form a flattering setting for bright flowers and green leaves. Mrs. Bingham's dressing table in the window is an old French desk, made of fruitwood, to which she had added a new white leather top and a small, off-white pull-up bench.



KERTESZ



Romantic color for her bedroom



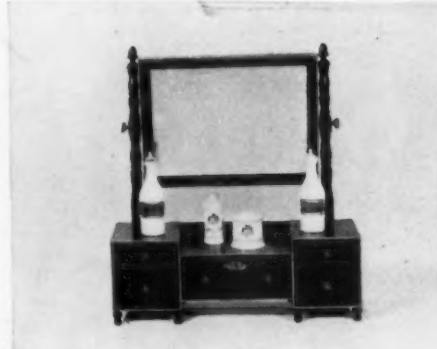
Kerk-Guild hatbox, \$5.95, storage box, \$6.95, hanger, \$1.95, Marshall Field & Co., Chicago.



"Cartwheel and Heart" spread by J. & C. Bedspread Co., \$35, Gilmore Bros., Kalamazoo.

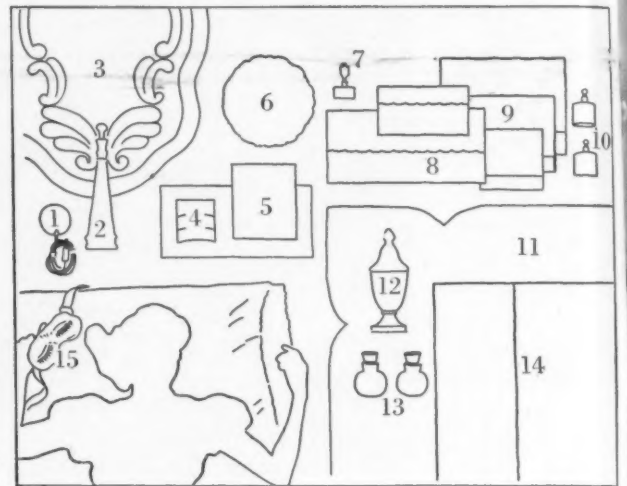


Graceful jardiniere by Hammond Tole Metal Co., \$13 at Carson Pirie Scott & Co., Chicago.



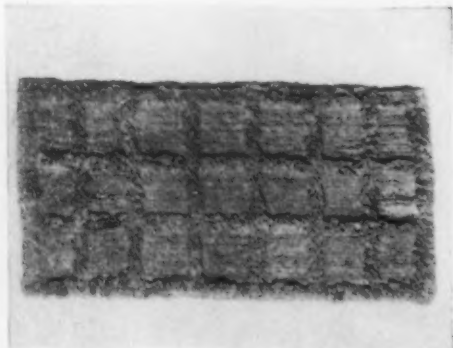
Mahogany Hepplewhite mirror, Jarvis House, \$275. The accessories are by Gourielli, Inc.

Opposite:
Sleep inducers for a lady's bedroom, benign shades of romantic apricot, sweet pink, stone gray and white. Today, you can make color harmonies like this one with sheets and blankets and accessories on sale across the United States. 3. Callaway "Modern Baroque" bath rug, 24" x 42" is \$7.95 at Hudson's, Detroit, Michigan. 5. Pepperell "Peachbloom" pillow case, \$1.05, percale sheet, 90" x 108", \$4.95, at Titcher-Goettinger, Dallas, Texas. 8. Utica Beauticale sheet, 90" x 108", \$6.25, pillow case, \$1.35, Titcher-Goettinger. 14. Chatham "Lido" blankets, \$35, at B. Altman, New York. For information about the other items in the picture, turn to page 109. Further accessories for bed and bathrooms on page 104.



ALL PHOTOS BY BAKER

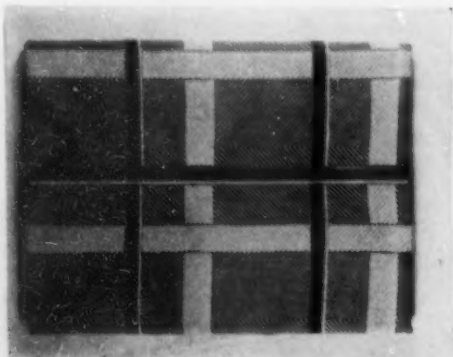
Bright with gray for his bedroom



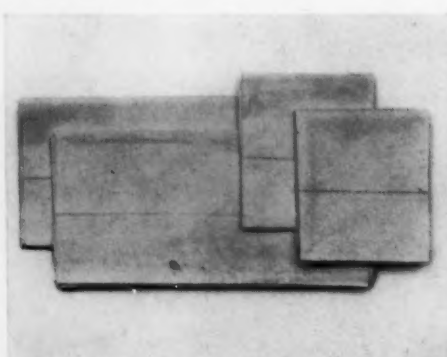
Beige cotton rug, 24" x 48", by Charm Tred Mills is \$6.95 at James McCreery, New York.



Leather clock, metal trim by Cyma Watch Co., \$42 inc. tax, Georg Jensen, Inc., New York.

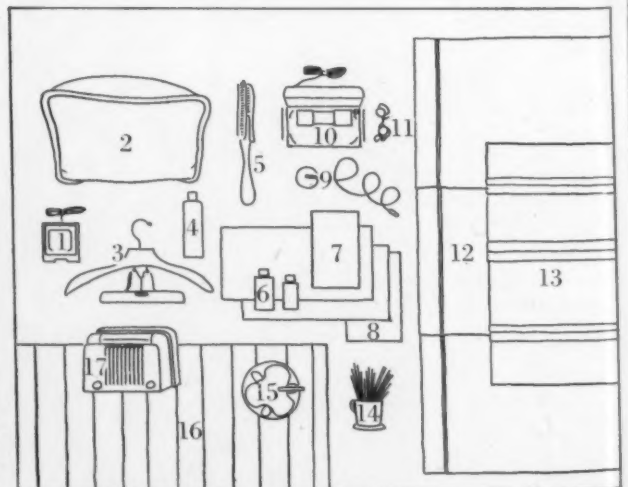


Bold plaid bedspread by Monument Mills, will be available in stores soon for about \$7.95.



Pequot combed percale sheet, 90" x 108", \$7.25; case, \$1.70, at Bamberger's, Newark.

Opposite:
Strong, warm colors for a man's bedroom, tempered with soft gray, underlined sharply with black. 7. Bates "Merrymeeting Mist" hemstitched percale sheet, 90" x 108", \$6.35, pillow case, \$1.70 at Bullock's, Los Angeles, California. 8. Pacific percale sheet, 90" x 108", \$4.25, pillow case, 80 cents, Meier & Frank Co., Inc., Portland, Oregon. 12. Top, Kenwood "Standard" blanket, 72" x 90", \$15, Maison Blanche Co., New Orleans, Louisiana. Others, St. Marys Lamar Blankets, 72" x 90", about \$33 each at Mosse, New York. 13. Cabin Crafts bedspread, \$20, at Pray and Sons Co., Boston, Massachusetts. 16. Cabin Crafts Needle tuft "Sarape" rug, \$12.50 linear yd. B. Altman, New York. Prices on other merchandise, page 109.



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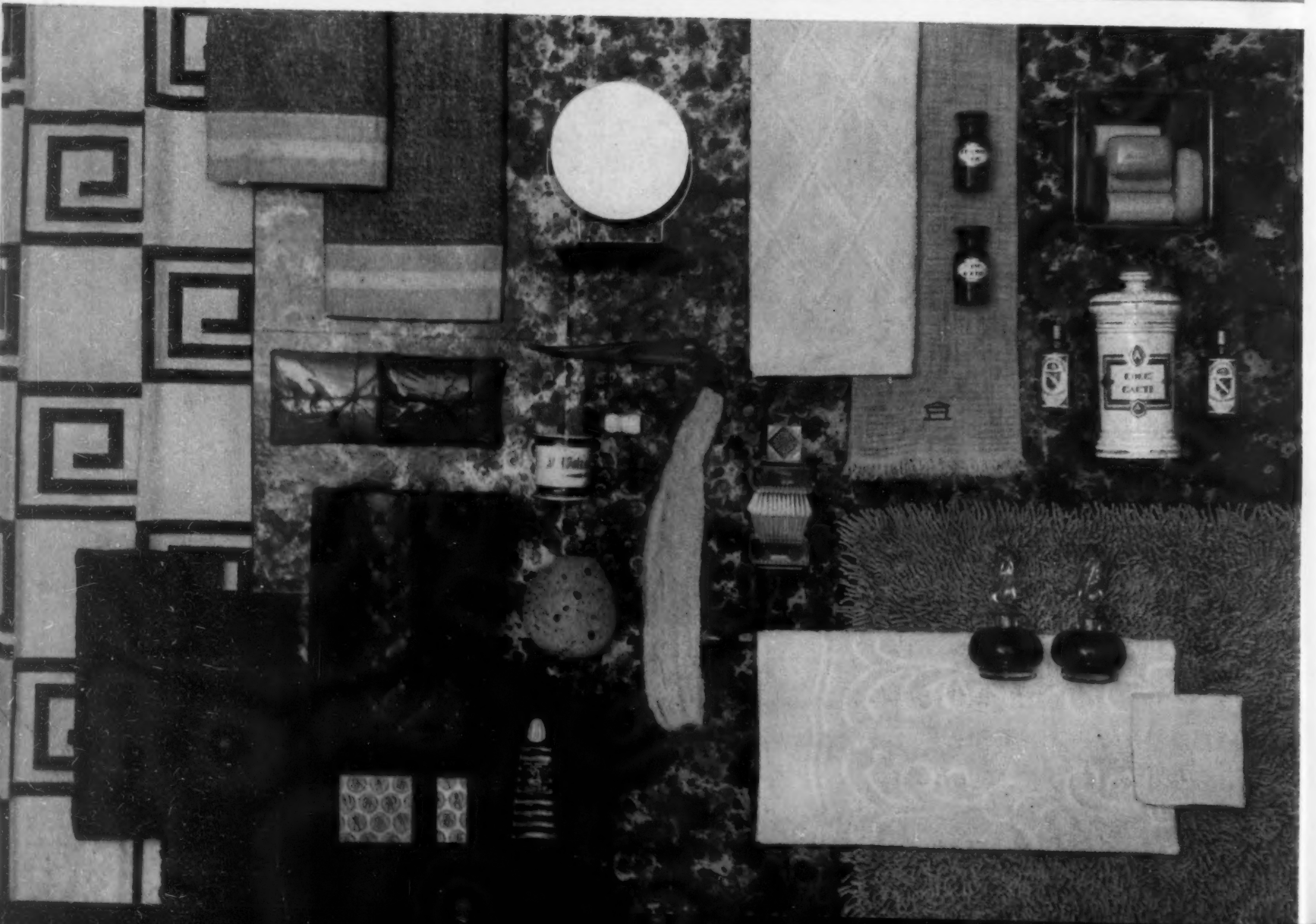
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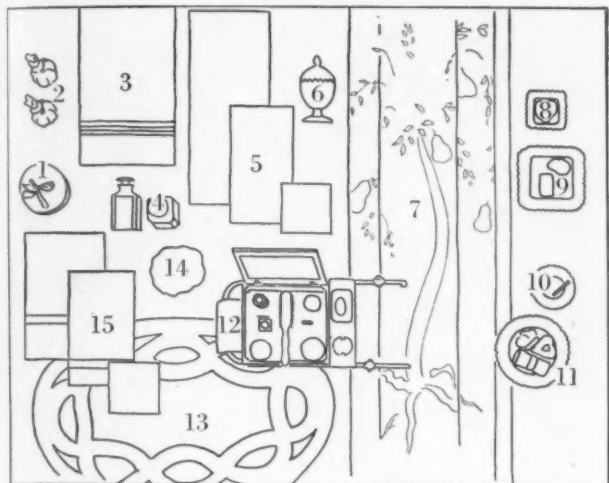




Her bath, butterfly-bright

Opposite:

Gay and lively colors for a lady's bath with an overlay of snow white, ebon black. 3. Cannon "Fiesta" striped bath towel, flamingo color, \$1.85, Hudson's, Detroit, Michigan. 5. Cannon "Laurel" flamingo-colored face cloth, 35 cents, bath towel, \$2.15, hand towel, 85 cents, Hudson's. 7. Textron "Pear Tree" screen-printed Celanese taffeta shower curtain, \$7.95, Titcher-Goettinger, Dallas, Texas. 13. J. & C. Bedspread Co., gray cotton rug, 24" x 36", \$6, John Taylor, Kansas City, Missouri. 15. Callaway "Quilt" bath towel, \$2.40, hand towel, \$1.15, face cloth 44 cents in gray or pastels, James McCutcheon, New York. For descriptions, prices and stores at which you can buy the other items for a lady's bathroom, in this picture, turn to page 109.



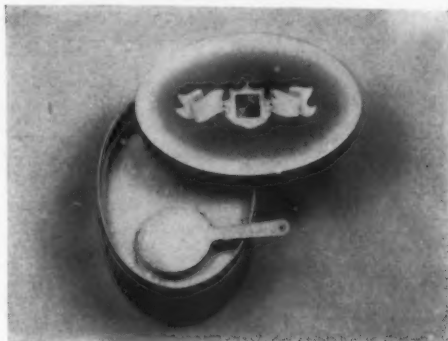
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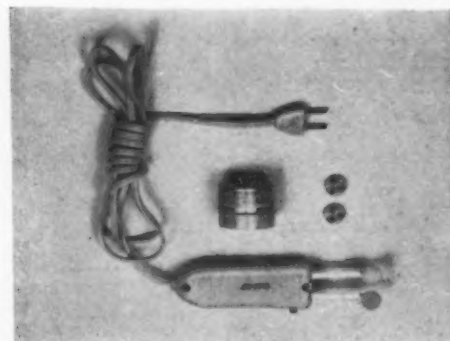
Table, \$65, apple, \$2.70, at Hammacher Schlemmer. Mary Chess toilet waters.



"Fragrant Fern" talcumizer by Alexander de Markoff, \$1.50*, Lord & Taylor.



Gourielli "Something Blue" Bubble Bath, \$2.50*. Woodward & Lothrop, Washington.

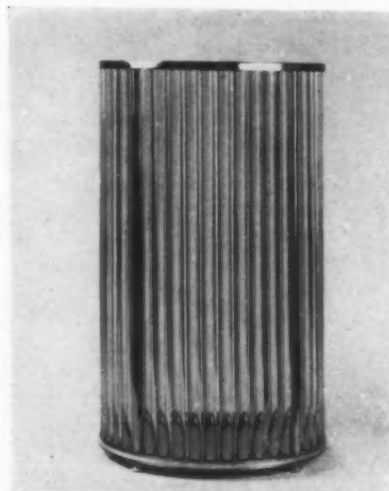
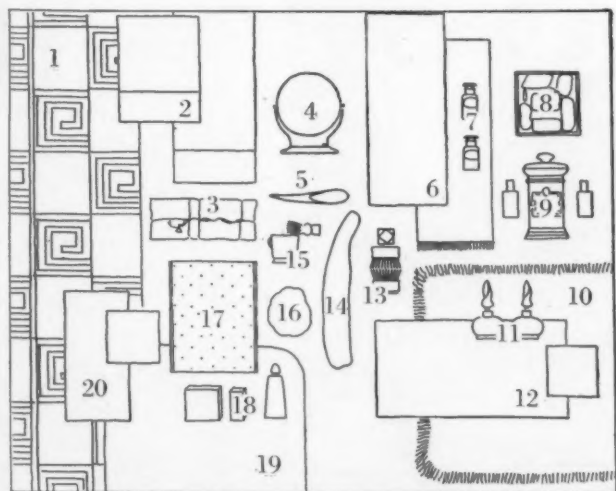


Elizabeth Arden electric puffer with a jar of Perfection Cream costs \$8.50* for the set.

His bath, study in contrast

Opposite:

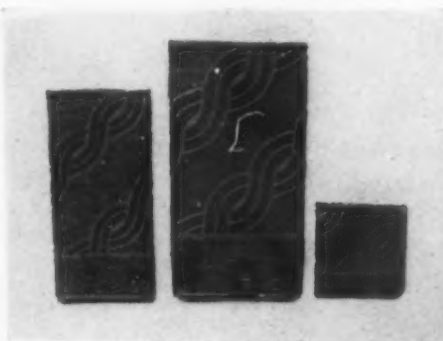
Cerulean blues, the sturdy brown of leather, the gleam of gold and a tiny flash of red for a man's bath. 1. Para "Greek Key" shower curtains, \$8.98, L. S. Ayres & Co., Indianapolis, Indiana. 6. Martex "Criss Cross" yellow bath towel, \$2.59, Bullock's, Los Angeles. 7. Sportsman's towel of handwoven linen, \$7.50, Mosse, New York. 10. Quaker Maid "Rippletwist" beige cotton rug, 27" x 48", \$7.95, R. H. White's, Boston, Massachusetts. 12. Martex "Iona" yellow bath towel, \$2.59, Frederick & Nelson, Seattle, Washington. 19. Carter Bros. "Retrac" cotton rug, 24" x 48", \$10.25, Hammacher Schlemmer, New York. 20. Martex "Southampton" hand towel, \$1.39, wash cloth, 45c, Bullock's, Los Angeles, Calif. More shopping information, pages 104, 109.



Hamper of glass rods, chromium frame, \$40.25, Hammacher Schlemmer.



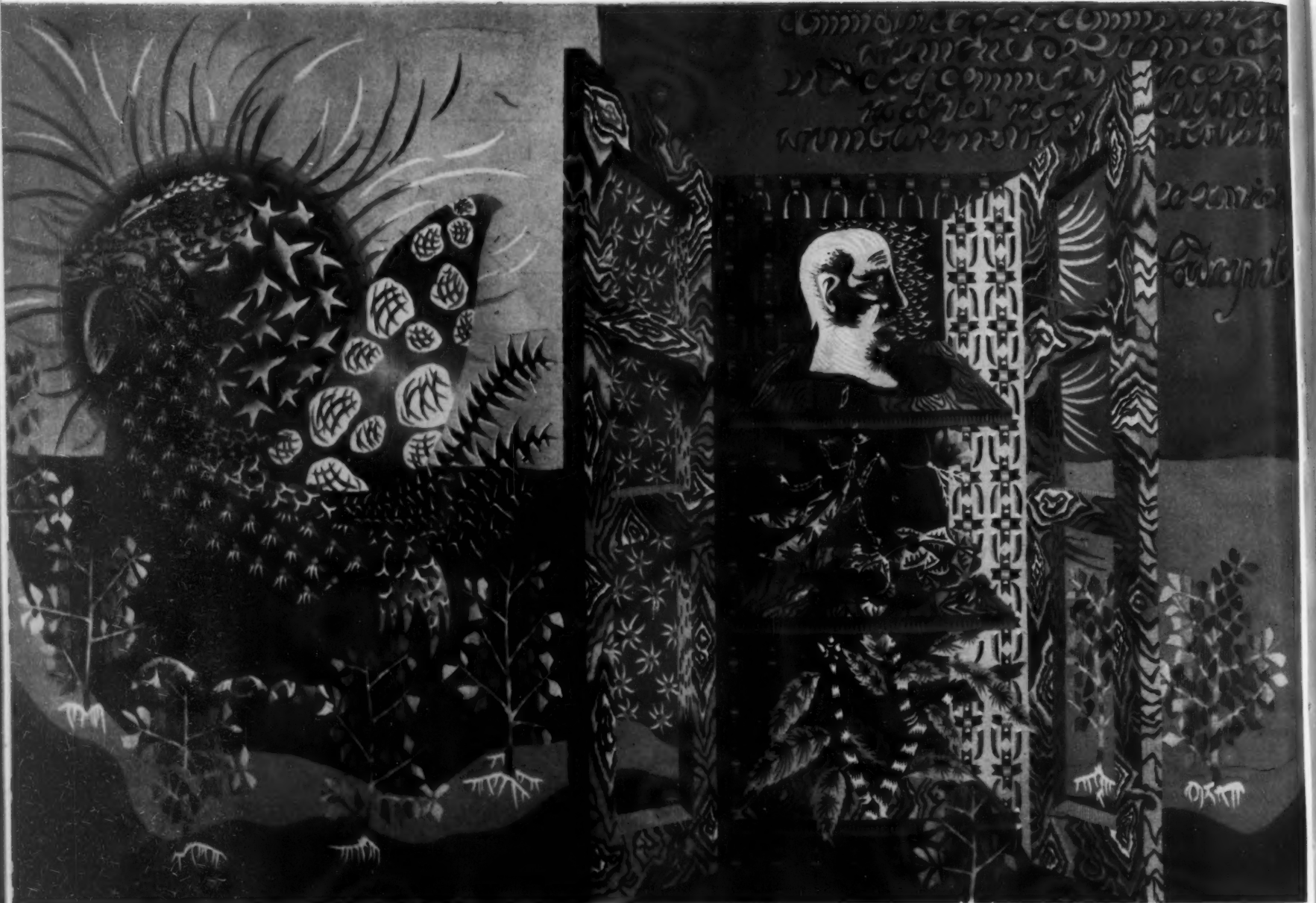
Jar by Warren Kessler, \$15, Lord & Taylor. Soaps from Fraser's, Gourielli, Inc.



Cannon "Symphony" bath sets (left to right) \$1.25, \$2.75, 49c. The Hutzler Bros., Baltimore.



Mary Chess' Chessmen shaving stick in a distinguished case, \$1.25*, B. Altman, New York.



DOISNEAU

Symbol of hope for the French Resistance

Under the unsuspecting eyes of the Germans, Lurçat, a member of the French Resistance, put into his tapestries forbidden symbols of hope. Woven into the upper right hand corner of this design is the title, glorifying the *coq gaulois*, long a symbol of Free France.



IN HIS TOWER STUDY Lurçat dictates books on tapestry

Lurçat

Beneath the towers of a medieval château, the French painter and designer works to give the ancient art of tapestry weaving a contemporary meaning.

Jean Lurçat, more than any other person, is responsible for France's revived interest in tapestry—an interest manifested in the lavish exhibition of French tapestries now at the Metropolitan Museum of Art. Lurçat began working to remake tapestry-weaving into a living industry in 1930 at Aubusson, where he introduced new artists like Léger and Dufy, and new methods of working. The weavers still work elbow to elbow, as they have since the Middle Ages. Their wool is still colored with vegetable dyes, but they use fewer hues, and match them against a design with numbers instead of comparing them by eye. Lurçat lives and works south of Aubusson in an old château, the towers of which were built in the 11th Century. Inspired by the surrounding countryside, by the man-made facts of contemporary reality, and by classical mythology, he and his designers create cartoons (sketches for the weavers) which when finished are sent to Aubusson. He still paints and will show canvases at the Bignou Gallery in New York this spring.



ON THE WALL, an unfinished cartoon; on the floor, rolls of original drawings: abstractions of plant life in the surrounding fields.



LURÇAT FELL IN LOVE with this medieval château once occupied by the Germans; he later bought it.

Good color sense

The Home Furnishings Style Council program now gives you

15 basic colors to simplify your shopping

The handsome carpet colors you see in the room vignettes, *opposite*, are more than just new colors. They represent an expansion of the Home Furnishings Style Council's color co-ordination program now being carried out by almost 100 manufacturers of carpeting, wall paints and papers, curtain and upholstery fabrics. The six colors which we illustrate here, plus a vibrant seventh one called Northlands Green, bring the number of the basic color families to 15, each with eight gradations. Every one of the companies which is participating in this co-ordination is making designs and products in these colors.

If you are not familiar with the program (and if you have spent hours and effort in trying to match colors) you will be interested in what these basic colors can do for you, shopping-wise. Each color group is identifiable by a distinctive name. Suppose you decide to have the Mt. Rainier Turquoise carpet color in the sketch at *top left* on the facing page. Then, if you wish to repeat that color, or introduce a variation of it, in your curtains, you ask to see the curtain fabrics in the Mt. Rainier Turquoise colorings. No longer do you need to carry swatches of your colors with you, nor try to explain what you mean by *aqua*, *turquoise* or *blue-green*. "Mt. Rainier" is the identification.

All this makes good color sense. If you are your own decorator, it simplifies your shopping, especially since several hundred stores across the country carry the basic color groups in their various departments. HOUSE & GARDEN shows you here a few distinguished harmonies which can be built on them—with ease and dispatch, too.

This color co-ordinating plan is unlike others you may know about. It is broader, really industry-wide. While there is a certain amount of decorating involved, it is essentially a color rather than a decorating program. As such, it applies both to traditional and modern decoration, and to all pocketbooks.

The 15 color groups have been determined by careful analysis. At the grass-roots level, each home furnishings industry has a color committee which, by survey and practical experience, recommends accepted colors for that industry to the Home Furnishings Style Council. This is composed of color specialists, advisers and sponsors, including professional decorators and stylists, retail officials and magazines, including HOUSE & GARDEN. From this pooled research the 15 basic colors have been evolved.

The benefits accrue to all concerned, the manufacturer, your shop and, most important of all—to you.

Opposite:

Six of the new Home Furnishings Style Council colors



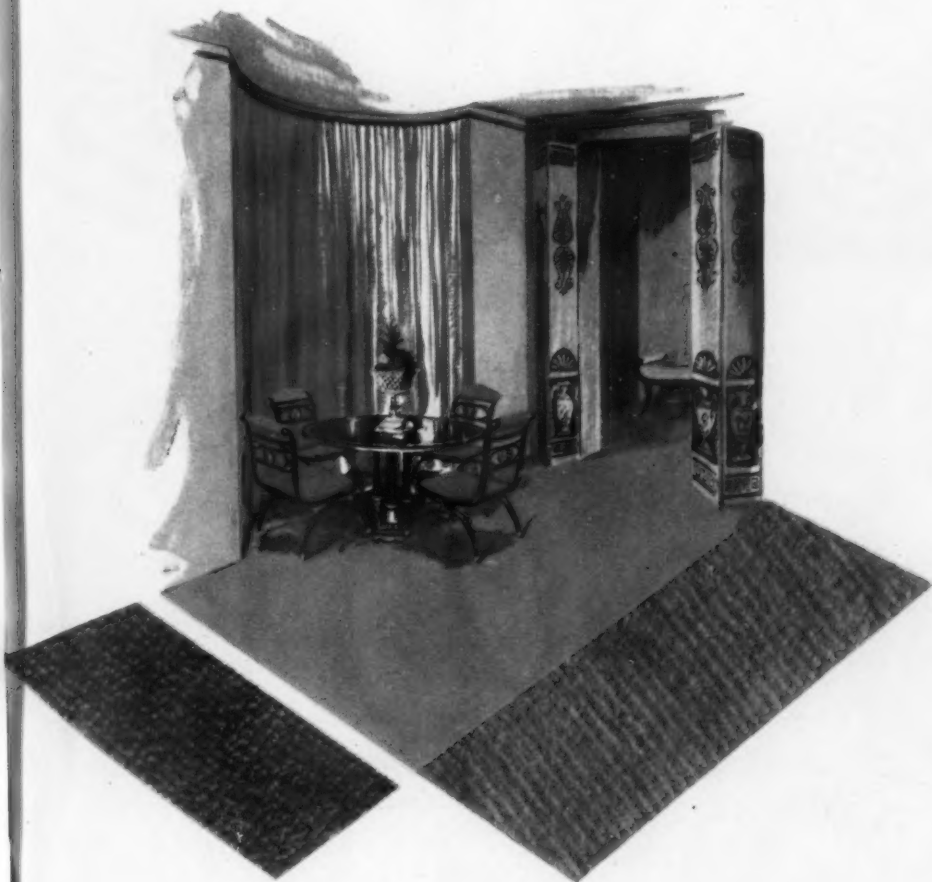
Mt. Rainier Turquoise:

To achieve a feminine touch—use Mt. Rainier Turquoise. In this small bed-sitting room, walls are papered with polka dots and windows hung with dressmaker curtains.



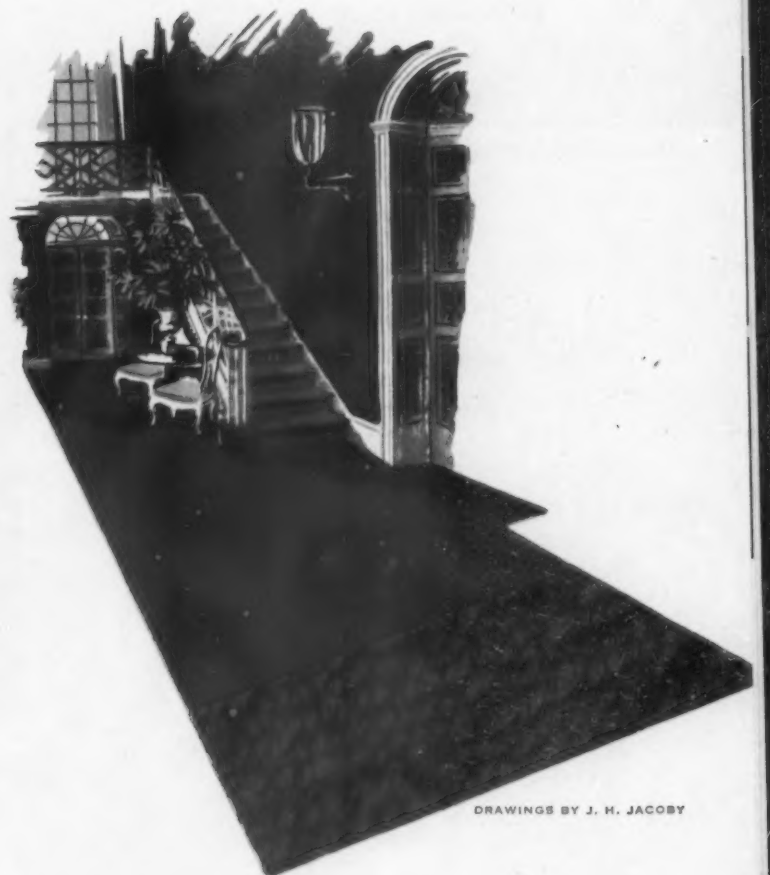
Sierra Brown or Santa Fe Peach:

If you want a simple, country look—use Sierra Brown or Santa Fe Peach. These earthy colors are a foil for a field-stone and yellow wall and a growing tree in an entrance.



Everglades Green or Sun Valley Gold:

For formality in a town dining room—use Everglades Green or Sun Valley Gold. Here it is at its best set off by dramatic screens, lacquer chairs, a sweep of satin curtains.



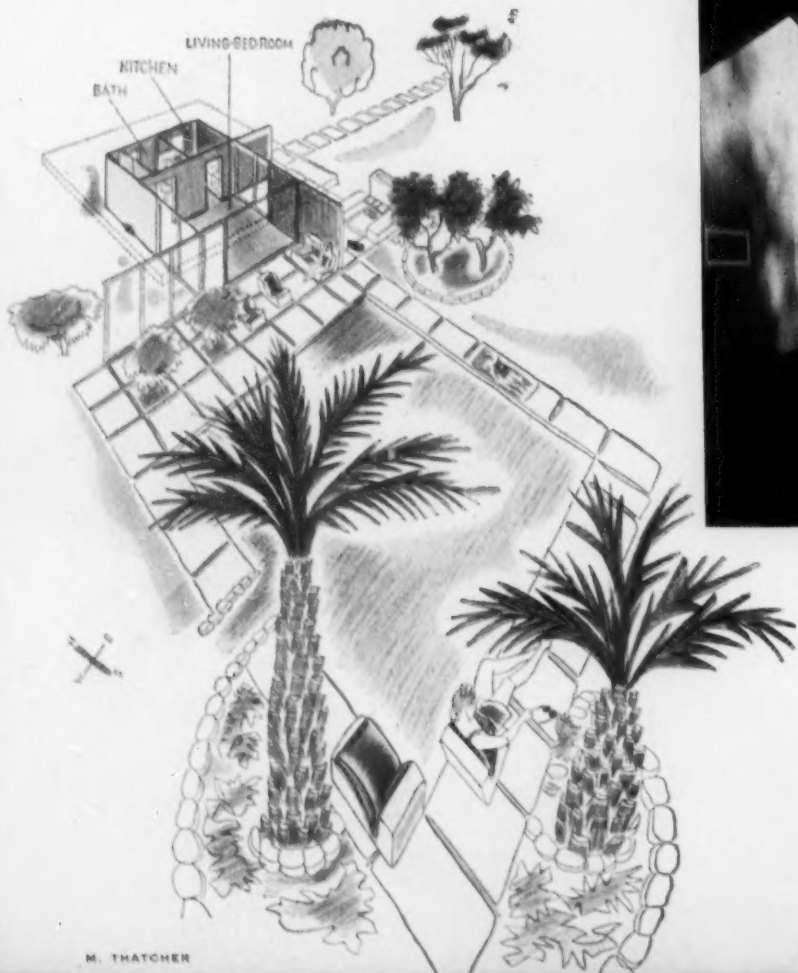
DRAWINGS BY J. H. JACOBY

Cherokee Red:

To make much of a stairway in town—use Cherokee Red. Walls of this entrance hall are painted with its affinity, deep gray; furniture and architectural detail are white.



THE HOUSE overlooks a garden-side pool



M. THATCHER



SLIDING GLASS WALLS open the house to pool and fountain

A large viewpoint will increase the apparent size of a house. The visibility of Mr. Frey's house in Palm Springs is not limited to its tiny size (16' x 20'). Nearly half of the walls are of sliding glass. From two corners of the living area (see sketch, *left*) large, fin-like walls extend into the landscape to define two terraces; together with the projecting planes of floor and ceiling, they add to the visual square footage. One wall, a warm rose color, forms a solid background to the room; the other, a pale receding green, blends into the atmosphere and the desert colors.

A one-room house that measures 16 feet x 20 feet

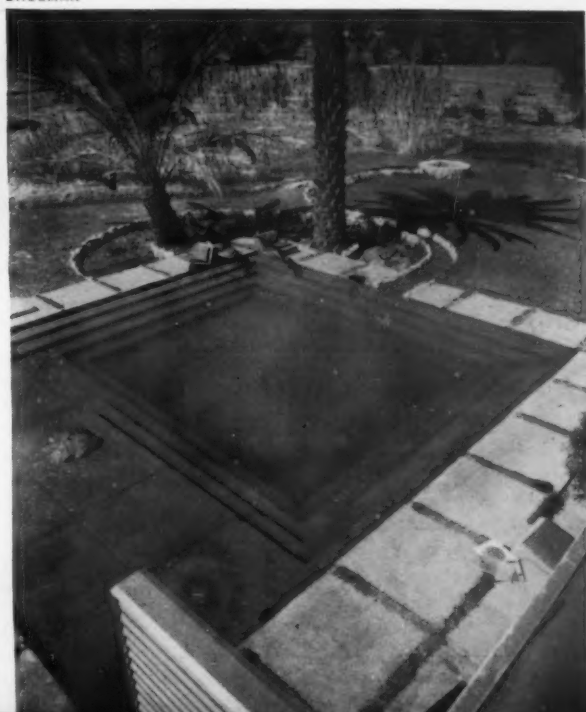
ALBERT FREY, OWNER; CLARK & FREY, ARCHITECTS

You can live well in a one-room house, according to Albert Frey, California architect and author, who has built himself a comfortable year-round house in Palm Springs covering 16 by 20 feet. By spending square footage where it counts, and rejecting all non-essentials, he has created a feeling of spaciousness. He has the rare ability of knowing exactly what to leave out. Kitchen and bath are concentrated in the far end of the rectangle with a wall between them enclosing all the plumbing. A few steps from the kitchen, and adjacent to the dining terrace with its outdoor fireplace, is the dining area. A Hawaiian *hikiee*, a huge couch-bed, is placed near the dressing room and storage wall. A folding desk with space for books and papers comprises the study corner. Mr. Frey, a bachelor and a busy architect, feels that constant straightening up should be avoided so he designed a logical place for everything. The house was planned to be built of materials which form units measuring four feet, or multiples of four feet; like a jig-saw puzzle, these modular materials fit together without cutting or waste. By doing a part of the work himself, he brought the cost down to a 1941 low of \$6 per square foot. The skeleton of the house is a simple wood frame, but instead of the many layers of conventional materials, the walls are faced inside and out with large sheets of asbestos board (Continued on page 102)



MODERN MATERIALS of this house are at home in any region. In desert climate, insulation is omitted between the two wall facings to encourage quick cooling after the heat of the summer day.

SHULMAN



WING WALL projects beyond living area to divide barbecue and pool terraces. Gay cushions cover the pool-side seats of poured concrete.

THE POOL, product of a pool-digging party, cools the heat-charged air; is frequently re-filled with irrigation water from the surrounding San Jacinto Mountains.



A COOLER with humidifier and fan, attached to exterior kitchen wall, keeps house comfortable during mid-day heat. A wing wall screens kitchen from terrace. Strawberry patches alternate with squares of paving.



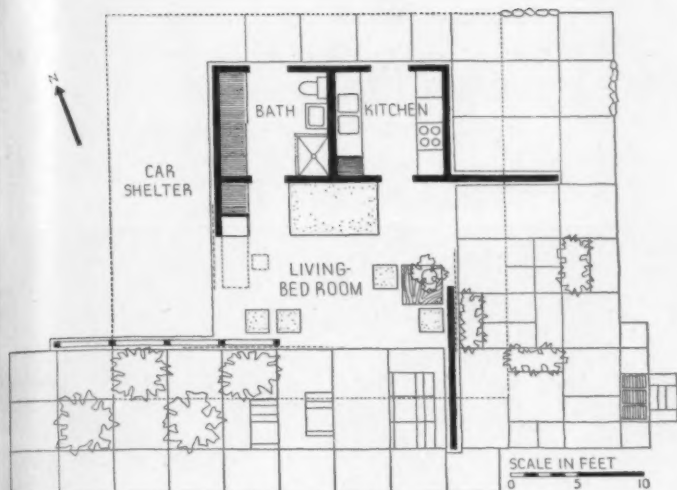
SHULMAN



STUDY TABLE is hinged on storage wall. A panel which closes to conceal bookshelves can be swung down on opened door of shelves below to form a desk (see right). Clear lacquer was applied to protect maps, poster and photographs. The table-case moves on casters.



THE GARDEN SIDE of the house has no solid walls. A glass door slides open along the outside of the framework at right. This open frame, wind-braced with cross-cabbling, supports the deep roof overhang of the car shelter and is the only structural element at the southwest corner of the house. Interior colors echo the rich contrast of the desert: ceiling is ultramarine blue, rug and curtains textured sand color, chairs are watermelon pink and tables bone white.



The plan Three walls of the living area are free-standing planes which project beyond the edge of the roof to form windbreaks or screens. Three sliding glass doors fill in the voids, or can be moved aside, clock-wise, along the exterior surface of the connecting wall. Looking toward the pool, there is a feeling of airiness, a virtual absence of wall. Living area has four groupings: dining area (near kitchen), a couch-bed near the bath-dressing room, a sitting area, and a corner study.



KITCHEN walls and cabinets are faced with green asbestos cement board, a hardy surface which requires little maintenance. The sliding doors of the cabinets are of same material.



BATH-DRESSING room floor is sand-colored, waxed concrete. Depression in the floor for the shower was inexpensively waterproofed with swimming pool paint.



THE LIVING AREA is a combined living-dining-study-sleeping room. The door leads to the kitchen. Buffet suppers are served on the table, at right, or on the barbecue terrace beyond. The walls are integrally colored asbestos cement board; the ceiling is painted corrugated metal.



THE LIGHTING is afforded by 1½" fluorescent tubes set into the wall behind ordinary heater grills with movable louvers which can be opened or closed to control light intensity. Amber color of outside lighting, in panels, discourages insects.

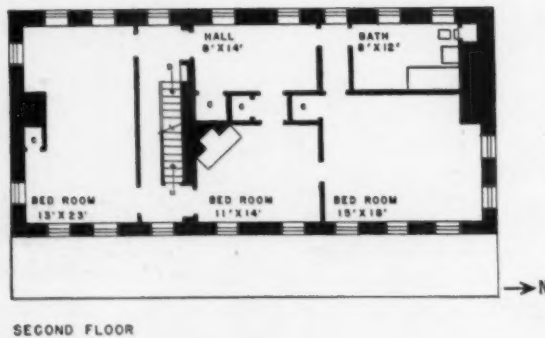
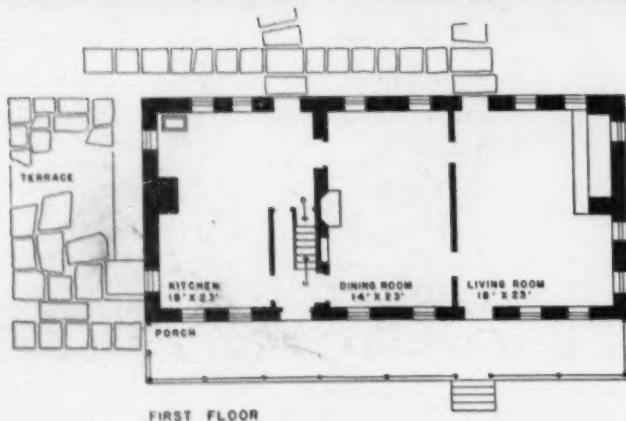
For list of materials and equipment see page 102

Carding Mill Farm

An old Pennsylvania house gets a new lease on life



GOTTSCHO-SCHLEIBNER



THE ORIGINAL HOUSE was only five windows wide, see far left, *above*. This portion is dated 1745, on an inscribed stone set in the gable end. The remaining portion is later, 1840. The stone work is beautiful; soft browns and grays mingle with the mauve at the corners. Plans, at *left*, show the three big rooms devised of six small ones on each floor, by removing a center rib partition that ran the length of the house. Bath, closets, dining and bedroom fireplaces are additions.

When the Eldredge Snyders acquired their Carding Mill Farm in Bucks County, Pennsylvania in 1944 they became the fifth set of owners in 202 years. In the days just preceding Mr. Snyder's joining the Navy, the Snyders found this farm and promptly bought it. This fertile region has long attracted people, but Mr. Snyder had an additional incentive; his forebears came from this territory. During the war Mrs. Snyder commuted to the farm each week end from Washington to confer with her Mennonite contractor. Letters literally flew back and forth between her and her architect-husband, as the work progressed. Fortunately the windows, doors and roof were all in good shape and the stout stonework had no leaks. The major alteration consisted of removing a partition that ran the entire length of the house, on both floors. Instead of twelve small rooms, six large ones were created. Electric wiring, a new heating system, a bath and painting completed the house. Future plans of the Snyders include turning the old summer kitchen into a guest cottage; the mill into a studio-drafting room for Mr. Snyder.



THE DINING ROOM has salmon pink walls with white dado and trim. The simple, new, wood mantel blends so perfectly with the old trim that it looks as if it had always been there. The doorway at right, showing kitchen beyond, led outdoors before 1840 portion was added.



THE GREAT LIVING ROOM fireplace has its own window which, in former days, shed light on food cooked over the fire at the right. Mrs. Snyder uses the caldron for apple butter making. Shutters close off fireplace in summer.



THE SUMMER KITCHEN, in the past, was the hub of preparing the meals for the extra hands who came to help with the harvest. The second floor housed them. It will be converted into a guest cottage.

THE MAIN BEDROOM owes its airy quality to its five windows, painted raftered ceiling and sunshine-yellow walls. The old Pennsylvania Dutch bed, found nearby, is covered with a quilt made by Mrs. Snyder's great aunt.



"Bottled" Gas

All the conveniences
of city living
in a country house



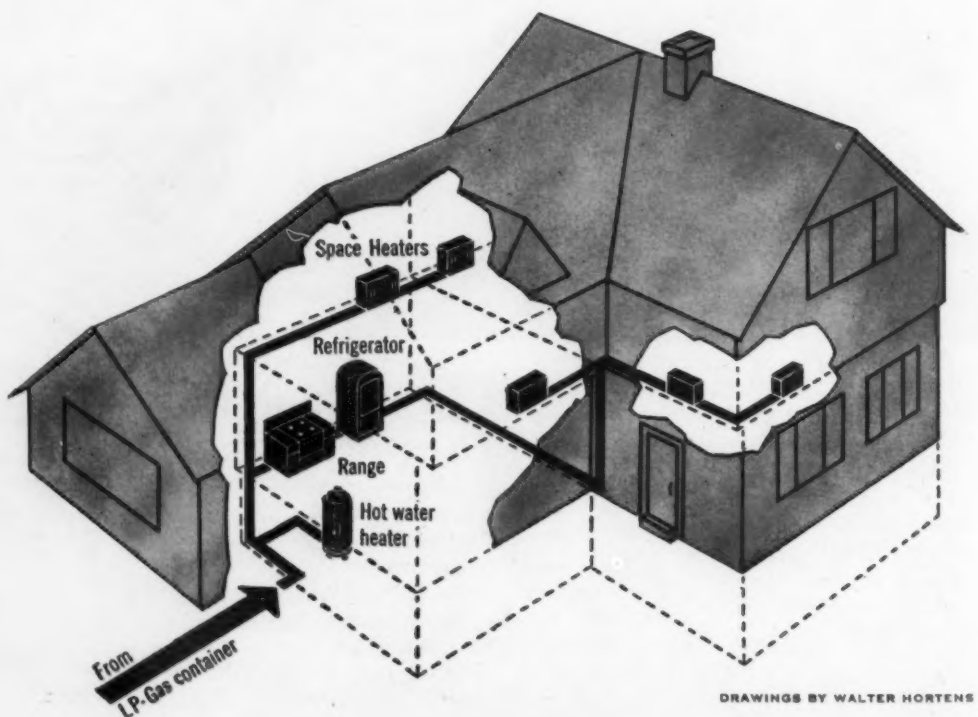
An LP-Gas-equipped home is shown on the right in broken section. Domestic hot water heaters, cooking ranges, refrigerators and heating units look and operate the same as the modern appliances used for "city" gas. In the line drawings above, the tank containers are shown in their relation to windows. LP-Gas is odorless, so a scent is added that is detectable in the case of a leak or gas jet that is inadvertently left open.

If you are one of the 70% of city families who are purchasing new home-sites in the suburbs or country, don't be upset if a desirable piece of land does not have city gas mains within practicable reach. Approximately three million homes now use liquefied petroleum gas for heating, cooking, hot water, refrigeration and other purposes.

Liquefied petroleum gas (called LP-Gas) is just what the name implies. A petroleum well produces a mixture of oil and several gases. Among these gases are two which are isolated from the other products of the well. One is propane, the other is butane. These are then refined, and liquefied by compressing for easy transportation. Both gases burn with a clean flame and have similar heat value. The propane gas, which the chemists label C_3H_8 , and is known as "bottled" gas, is used in the north because it flows freely at sub-zero temperature. Butane, which is chemically C_4H_{10} , is called "tank" gas, freezes at a higher temperature. Its use, therefore, is most common in warm climates because it requires lighter equipment.

The "bottled" type of gas gets its name from the steel cylinders in which propane is delivered. Usually two are used and an automatic valve switches the connection to a full tank when one is emptied and shows a red signal on a dial to indicate that a replacement tank should be ordered. There is also a cash-and-carry system in which small 20-pound cylinders of propane are purchased from a local dealer and attached to the house system by the user. The cylinders weigh only 40 pounds when full, which is not more than the weight of an average-size outboard motor.

The butane or "tank" gas is often metered from a truck to the tank, much in the way that city gas is. Distributors are found in virtually every locality in the nation



DRAWINGS BY WALTER HORTENS

to supply and service the individual user. There are few places anywhere in the United States that are more than a mile from a route scheduled for the delivery of LP-Gas. No matter how long a storm lasts or how severe it may be, LP-Gas delivery is dependable.

General costs averaged throughout the United States indicate that LP-Gas ranks as one of the most economical fuels. This is because of its high heat content due to the refining process in its manufacture. However, in any specific case, the availability of natural gas, electricity or other fuels will influence the relative price and your choice of what to use. The installation of the tanks and piping that are required is extremely simple in either new houses or existing houses that are being modernized.

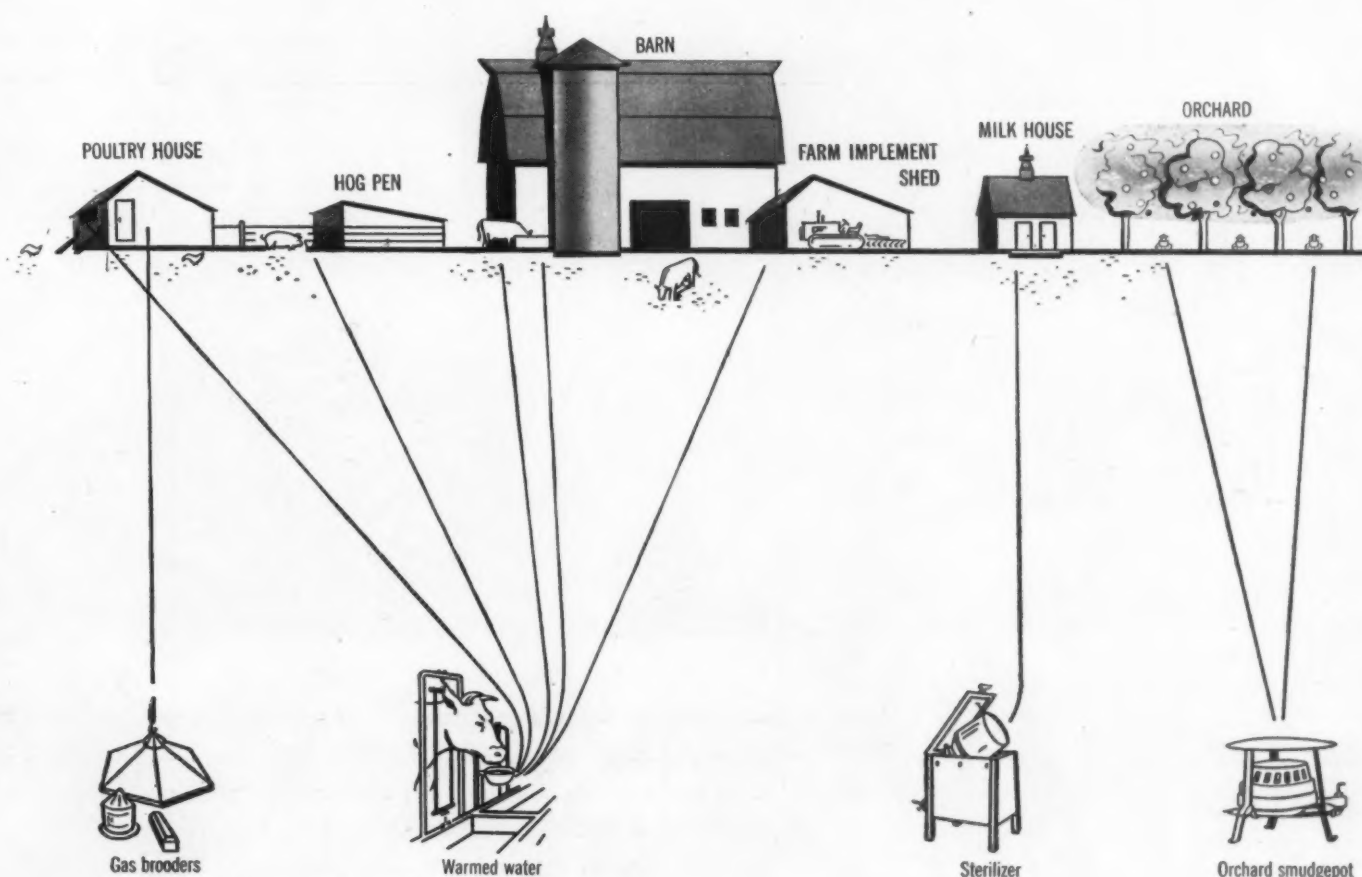
The current list of LP-Gas producers who report to the Bureau of Mines consists of 127 companies. If you want to find out facts about LP-Gas, its local availability and its cost, look in the classified telephone directory for the name of a near-by distributor. He will also be able to tell you about the appliances that can be installed to utilize this fuel.

The stove or range differs from an appliance which employs city gas only in the burners. The LP-Gas is higher in heat value than other types of gas used for cooking. The heating ability of gas is measured by physicists in British

Thermal Units (Btu) which is the amount of heat it takes to raise one pound of water one degree Fahrenheit. City gas is usually rated at about 550-1000 Btu per cubic foot, while LP-Gas ranges from 2520-3270 Btu per cubic foot of vaporized gas. This is why the uninitiated will probably burn the first meal, but will quickly become enthusiasts.

Water heaters in homes that use LP-Gas function very efficiently. Portable auxiliary heaters to be used on chilly days are obtainable. The small "floor" furnace which is permanently built-in is ideal for summer cottages and winter lodges that are used intermittently. In some localities the main central heating plant may be fueled with LP-Gas.

Both lockers for freezing and ordinary refrigerators can be used with LP-Gas. Gas can be used for drying fruits and vegetables; smudge pots to prevent killing frosts; for rice drying; as well as for many other food-processing tasks. For the raising of poultry, gas brooders are used in the hover stage to produce healthy and more vigorous chicks that are less susceptible to sickness and disease and better able to survive their growing days on the range. Gas torches and forges in the implement shed or workshop make repairing jobs possible. Meat-curing for smoke houses and the scalding and waxing of poultry for plucking are farm chores which can be done efficiently with LP-Gas.



Farm outbuildings can be supplied with water and food mash warmed by LP-Gas to increase the health, vigor and rate of growth of chickens, hogs and cattle during cold weather. Warmed water for tractor and car can be piped to the implement shed.



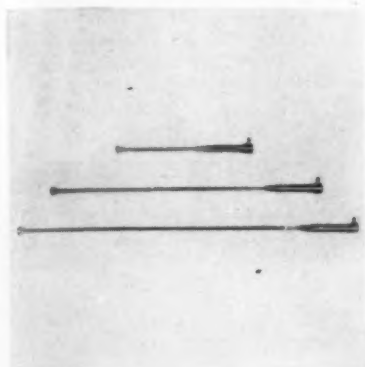
BAKER

Sculptor Noguchi
designs
free-form tables

From abstract art to modern furniture is not such a steep step. *Above*, you see both, side by side, designed by the same man. Isamu Noguchi's sculpture (similar to the pieces shown here) is in leading U.S. museums. His glass-topped table has just been put on the market by the Herman Miller Company, sells for \$189.50 at Bloomingdale's. Its base is two pieces of walnut which revolve to vary the design. The top of the plywood table on which the artist leans is reversible and swivels. Both illustrate Noguchi's new interest in abstract form related to motion and to people—a theory which in the past produced his evocative ballet sets and his designs for playgrounds.

MECHANICS OF LIVING

New equipment for your house
which is bound to make it far easier
to care for and far pleasanter to live in



Fire starter for lighting fires in all types of in- and outdoor fireplaces is automatic. Works like a cigarette lighter on a big scale, using any type of lighter fluid. Comes in 3 sizes and 5 anodized aluminum colors that are not affected by heat—maroon, black, gold, blue, bronze, as well as polished aluminum, and solid brass. Priced from \$3.75 to \$8.75. Crescent Industries, 10300 Van Dyke Ave., Detroit 5, Mich.



Bedside lamp in an interesting and useful design. Two 7-watt bulbs are used and you can turn either or both on or off by tilting the translucent plastic shade which returns itself to the original level position. This lamp would be ideal for a child's room, bathroom, hall, stairway, and convenient for the sickroom. The retail price is around \$3. Hungerford Plastics Corporation, Murray Hill, New Jersey.



Exit dampness causing mold, mildew, and rust. A neat package has a chemical that absorbs moisture from the air in closets, lockers, basements, tool chests, bookcases, kitchen cabinets, or anywhere that dampness is undesirable. Remove the cover, expose the chemical to the damp air, and moisture collects in the container. Sizes at 89 cents, \$2.49, and \$3.98 at department, hardware and drugstores.



Humidifier unit is complete in itself, draws air through grillwork, washes, filters, blows it gently and quietly out the top. The correct amount of moisture is added in the process to stop the dry condition that aggravates colds, chapped skin, and furniture deterioration. Proper humidity makes lower room temperatures comfortable, cuts fuel bills. Price \$59.50. Fresh 'nd-Aire Co., 221 N. LaSalle, Chicago 1, Ill.
(Continued on page 86)

Others may boast
larger cars,
costlier homes... but
nobody can smoke a
better cigarette!



Plain Ends
Ivory Tips
Beauty Tips (red)

MARLBORO

Merely a Penny or Two More

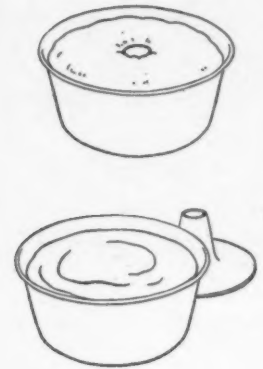


No other electric range offers so much practical flexibility! For small-family cooking, the built-in surface oven is perfect for everyday use — complete meals, vegetable dinners, biscuits, etc. Saves stooping, saves electricity. When additional oven space is needed — or when two different baking temperatures are required at the same time — or when you have a broiling operation — your regular, large oven is always ready for instant use. Both ovens are timer-clock controlled. See the Monarch Roaster Range at your Monarch dealer — or write the factory for literature.

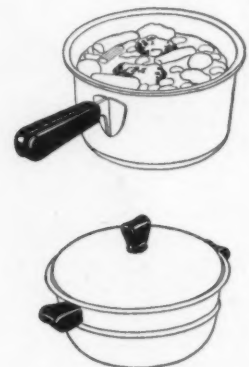
MALLEABLE IRON RANGE CO., 6618 Lake St., Beaver Dam, Wisconsin



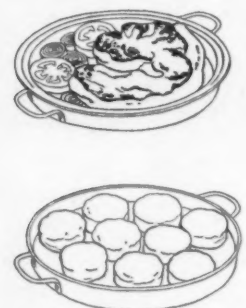
DUAL PURPOSE continued



Cake pan with removable insert double-duties as pudding dish. This newest innovation bakes an angel cake, a form torte, a sponge cake, a meringue ring to perfection but need not be relegated to the top shelf between bakings. Inset lifts out and the pan itself serves daily baking and casserole cooking needs. Of 18-gauge aluminum finished to a gleaming polish inside and out. In four sizes: 2, 3, 4, 5 qt. \$1.20, \$1.35, \$1.50, \$1.75. Hammacher Schlemmer, N. Y. 22.



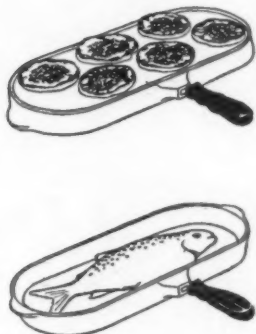
Double boiler with casserole inset: the two-quart section of Thermic Ray's combination cooker, in stainless steel and copper with smart plastic handles, is handsome enough to play stellar roles: as casserole or bun warmer, with cover; as ice bowl or baking dish, without the cover. Three-quart lower section makes a covered cooker; an open saucepan. Vapor seal cover, copper bottom for even heat, stainless steel for easy cleaning. \$7.75. Stump & Walter, New York 8.



A two-part broiler can lead a two-fold life: both sections used as one combine to make a smokeless broiler, convenient for chops, steaks and fish; easier to clean than a large oven broiling pan and rack. Singly, the top, perforated to let juices drip into the bottom pan, doubles as strainer, steamer or cake cooler. The bottom section alone makes an ample sized biscuit pan, an uncovered roaster. The Buckeye Broilerette in aluminum, \$1.50 from Jordan Marsh, Boston 7, Mass.



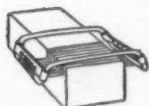
Egg poacher triples as frying pan, baby food warmer. This Buckeye heavy-gauge aluminum poacher with removable inset and cups that have tiny grips for easy handling turns out three uniformly shaped eggs. Sleight-of-hand changes: minus cups, it's a food warmer to heat baby bottles, canned baby meals; minus inset: it's a covered, waterless cooker; minus cover, a frying pan. Vented seal covers, detachable handle, \$3.00. LaSalle & Koch, Toledo 3, Ohio.



Twin skillet on one side; griddle on the other. The Polly Grill spans two gas or electric burners, takes the place of two skillets, two griddles on the stove, in the pantry. Fries bacon and eggs at one and the same time, harbors a whole fish (fishermen, please note). Flipped over, it griddles a double-order of hot-cakes. Handle detached, it's a sizzling platter; plus trivet stand, it's a roaster or steamer. The Polly Grill is \$5.95 with trivet at Lewis & Conger, New York 19.



BAKER



Slicer Frenches string beans one end, pares vegetables paper-thin at other end. Tip gouges potato eyes. Knee-action Parer-Slicer, 25c at your 5-and-dime store.

Can opener; jar opener, all-in-one twins. Each folds up or out; flat against wall when not in use. The Zim Twins take on any type, any size jar or any shaped can. All chrome, priced \$5.95. At Hammacher Schlemmer, New York 22.

Egg-cheese slicer divides in two: base an egg slicer, cross-wise or lengthwise. Frame slices butter, cheese, cooked fruits. Slice King is \$1 at G. Fox, Hartford, Conn.

Only
Kimsul insulation
gives you all
these advantages



A warmer home that costs less to heat

Let frost bite and winds bluster. Just wrap your home in a blanket of KIMSUL* and you'll be snug and warm! You'll burn far less fuel, too. For *many-layer* KIMSUL, with its millions of tiny trapped-air cells, blocks the wasteful escape of heat.



Extra protection with the PYROGARD† fire-resistant cover

Only many-layer KIMSUL has the PYROGARD cover, making both insulation *and* its cover permanently treated to resist fire and flame. Here is another exclusive feature that makes KIMSUL unique among all blanket and batt type insulations.



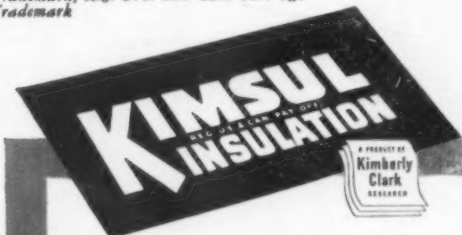
Insulation that won't sag or pack down

KIMSUL means lasting comfort. Won't sag, sift, or settle. Resists fire, moisture, vermin. Is termite-proof. Order light, clean KIMSUL from your lumber or building supply dealer. Specify it in your new home plans.

CHECK THESE 12 ADVANTAGES

1. High insulating efficiency.
2. Many-layer construction.
3. Packaged in easily-handled, small size rolls; compressed to 1/5th installed length. Anyone can apply it.
4. Prefabricated to fit standard stud and rafter widths—extra wide to provide fully insulated fastening edges.
5. Clean, non-irritating—no dust or sharp particles.
6. Lasting protection. Won't sag, sift, or settle.
7. Resists fire, moisture, fungi and vermin—is termite-proof.
8. Flexible—fits odd-shaped recesses and tucks around obstructions.
9. Trimmed pieces caulk easily for wide joints.
10. Light in weight.
11. Low in cost.
12. Only KIMSUL has the PYROGARD fire-resistant cover.

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MECHANICS

continued



Duran
all-plastic upholstery

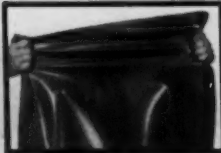
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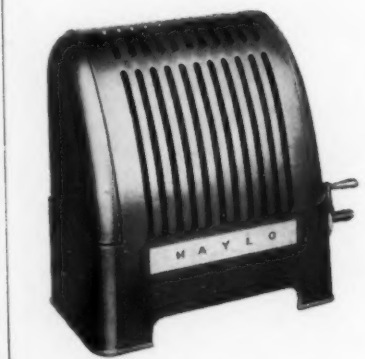
Rooms photographed at Gimbel Bros., New York



Keyless lock ends the need for flashlights and key rings. There are many thousands of possible combinations of the sequence in which the buttons are pressed to open the door after it has been locked by flicking the lever. Combinations may be changed easily and quickly. Available in various finishes, it fits doors that are 1 3/4" thick. Installation of lock is simple. \$27.50. Prestok Lock Corporation, Walden, N. Y.



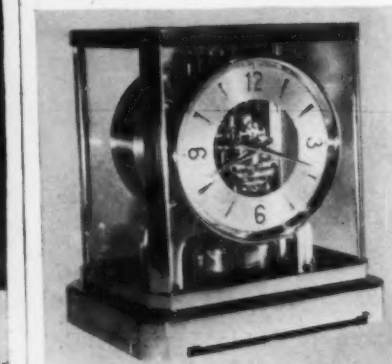
Electric time switch is an amazing device for turning anything electrical on and off. It will defrost the refrigerator every night, will wake you up to the radio, turn on the bathroom heater, operate lights when you are away from home so that it will look as though you weren't. It's a mechanical miracle for absentminded or busy people. \$14.95. Miller-Harris Instrument Co., 1434 W. Atkinson Ave., Milwaukee 6.



Portable heater will chase chills. A new type of burner designed for maximum safety and efficiency has been approved by American Gas Assn. for use with natural, manufactured, bottled or tank gases. Built of die-cast aluminum alloys, the heating unit has fins similar to those in an air-cooled gasoline engine. Heats an average-size room on damp and cool days. \$9.95 from McCulloch Motors Corporation, Los Angeles, California.



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3 New Sensational Roses from California!

"THE MISSION TRIO" AS FEATURED IN GERMAIN'S FREE 1948 ROSE BOOK & GARDEN CATALOG



NO. 3
SAN LUIS REY

From California, home of world renowned roses, come 3 new sensational varieties to make your garden the envy of the neighborhood. Their beauty, vitality and abundant bloom stem naturally from California's rich soil, longer growing season. Germain's roses propagated in California are guaranteed to grow anywhere in the U. S. Here's what Mr. Harry W. Meyle of Gwynedd Valley, Pennsylvania says: "The rose bushes came through the winter in excellent condition, in fact, they seemed to stand it much better than roses which I purchased within the radius of fifty miles of my residence."

Mrs. Joe Vicsik of South Bend, Ind. says: "The rose bushes I purchased from you last spring were really beautiful and bloomed all summer long. Their colors were really radiant and they stand this climate well."

Germain's, California's leading growers since 1871, have acres of roses in sunny San Fernando, California's Valley of Roses. Germain's large, 1st grade, 2 year old, hardy, field grown plants assure you of surer, earlier blooming. Scores of America's finest roses are featured in all their colorful splendor in our unrivaled Rose Book & Garden Catalog, plus other gorgeous plants, exciting novelties, etc. Send for your FREE copy today!

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A magnificent thirty-petaled rose of glowing currant red, with blooms of unusually heavy texture, the San Fernando Rose is truly deserving of its All America Award for 1948. So heavy is its pleasing perfume that just one San Fernando Rose bush will fill your whole garden with lovely fragrance. Pointed, well formed buds are proudly borne on tall, erect stems. As the buds begin to open their color becomes a brilliant, beautiful scarlet, complemented by the heavy, dark green of its leathery foliage.

No. 2 San Gabriel (PATENT APPLIED FOR)

Long pointed buds of glowing salmon with a heavy overlay of tangerine orange and fire red. Distinct saffron yellow at the base of each petal. As the flower opens the petals reflex, showing all the beautiful coloring. Exceptionally free flowering and long lasting. Pleasing tea fragrance.

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NO. 1
SAN FERNANDO

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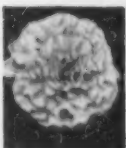
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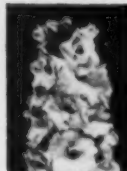
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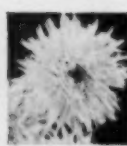
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BURPEE SEEDS GROW

LAND

continued from page 39

crown rot of iris, bud blast of peonies, hollyhock rust, and phlox mildew.

Nor should garden sanitation be restricted to the fall cleanup. It should be an all-season affair. In the spring, for example, we can do much to keep down the botrytis disease of tulips by picking off and burning the first leaves that show blight infections. The same holds true for early infections of rust on hollyhock, nematode leaf blight of chrysanthemums and other diseases.

Rotation of plants advised for annuals. Certain diseases tend to increase if the same kinds of plants are grown in the same spots year in and year out. Wilt of China asters, corn diseases of gladioli, and root and leaf diseases of several plants caused by nematodes are good examples. Such diseases can become so prevalent as to cause complete failures.

Here we might take note of the practice of crop rotation followed by successful farmers. One of the objects of rotating food crops is to reduce the chances of an outbreak of a serious disease. We all realize, of course, that rotation in perennial borders is impossible because of the established boundaries of such plantings, but the practice can be followed in gardens of annuals. For perennial plantings, strict sanitation combined with soil sterilization, periodic replacement of top-soil and the use of fungicides will, of necessity, replace any scheme of rotation.

Disease barriers—a new device. A rather recent method of preventing infections by certain disease-producing organisms in the garden is establishment of barriers. Strictly speaking, of course, application of a fungicide to the foliage falls within this category. Such a subject, however, would require special treatment in another article.

In the present concept, we include placement of a barrier, such as a mulch of peat moss, salt hay, or grass clippings, over the soil. This blanket of organic matter will keep soil-borne organisms, hibernating in the soil, from splashing up to the lower leaves of susceptible plants. Such a mulch placed around young chrysanthemum plants has been shown, both experimentally and in the garden, greatly to reduce attacks by leaf-infecting nematodes and leaf-spotting fungi.

Besides providing a barrier against parasitic organisms, a mulch of this sort makes for more vigorous plants. With it, the soil is cooler during midsummer, there is less need for watering in dry spells, and the weed population is reduced.

Still another kind of barrier can be used, even though this is more nearly in the nature of a quarantine—perhaps we might best liken it to the accepted medical practice of quarantining immigrants at ports of entry. In setting out new plants in the garden, each entry, like the human immigrant, is examined. Diseased plants are discarded and suspicious ones isolated in some far corner of the garden until they prove to be healthy. Of course, much of the work of inspection will already have been done for the gardener at the

(Continued on page 90)



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BETTER SWEET PEAS

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Through sheer excellence, the Cuthbertson Sweet Pea has already won high honors, including a Gold Medal and six other awards from the Scottish Sweet Pea Society.

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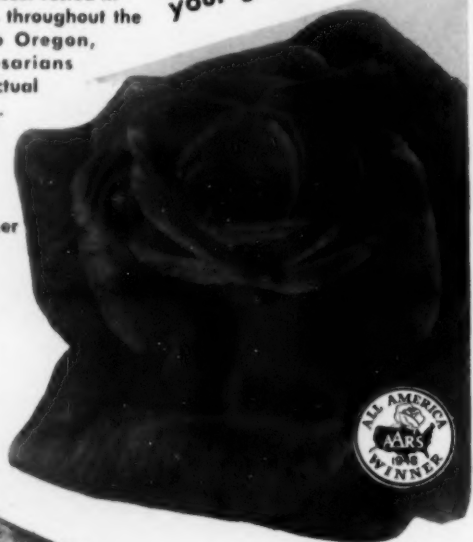
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Glowing petals of Cardinal Red with intriguing pools of velvety black-red at their base... long, shapely buds and glorious fragrant open blooms atop long strong stems... Nocturne is a red rose of rare beauty. \$2.00 each, 10 for \$17.50.



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"The finest rose in America today." "Queen of them all." So say rose experts the country over. Winner of every national award for a new rose, Charlotte Armstrong is cerise-pink, famous for its long slender buds. Don't delay your order, for it has been a sell-out every year. \$1.50 each, 10 for \$13.50.



FREE color catalog showing and describing the many famous roses grown and guaranteed by Armstrong Nurseries.

TESTED for 2 years by expert rose judges, these All-America Award winners have been planted and critically judged in every climatic condition found in this country. The bushes you receive from Armstrong Nurseries are identical in quality to the plants tested.

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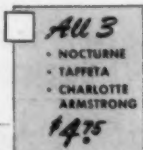
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FREEDOM continued

And yet, even before President Truman explained the necessity clearly to the American people, a survey made by Ferry-Morse Seed Co. showed that the habit of raising vegetables for home consumption was well on the increase. Of those who grew vegetables in 1947, over 48% planned to devote the same space to them; 38% expected to make larger vegetable gardens. It also disclosed that people who grew Victory Gardens were large purchasers of vegetables in seasons when their own gardens were not productive. Clearly vegetables gained a high place in the diet of those who worked the 20,000,000 Victory Gardens, and will continue to hold it. They enjoyed the particular advantage of having their vegetables fresh from the garden, enjoyed their flavors and health-giving properties.

It is also notable that since the end of the war the sale of small fruit plants—strawberries, raspberries and such—has increased 7%. So fruit, home-grown, also has been added to the nation's diet.

While this increase in vegetables and fruit has been going on, it is paralleled by an increased interest in growing flowers. The survey referred to

above shows that this year 58% of gardeners will devote as much land as they did last year, and 43% a still larger area.

Those who want to grow the latest novelties in vegetables will try the prize winners for 1948 picked by experts of the All-America Selection Committee. Ranger snapbeans won a bronze medal. These are half-runner vines with silvery green pods. In the same class came Victory Freezer and Freezonian peas, both adapted to home freezing. The former has great hardiness to heat and cold, which recommends it for wide garden use, as many a pea crop lags with the first hot days. The Freezonian pea is wilt-resistant and heavily productive. Peas grow 30" tall and bear pods 3½" long 60 days after planting.

The Peerless bush lima has larger, broader and thicker pods than previous varieties. It is ready to pick in 72 to 80 days. Also those who grow Bermuda onions will be interested in the new Excelsa. It matures a week or ten days earlier than other Bermudians. A wax-podded snapbean commanding attention is Cherokee, with a hardiness and yield appreciated by gardeners.

LAND continued

shipping point, but sometimes small or new infections are overlooked there.

Gardeners will find that most of the suggestions in this article are, like the precepts of the sponsors of preven-

tive medicine, rather easily carried out with very little added expense or time. And gardens, like people, will respond to modern treatment by displaying increased health and vigor.



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Prices Slightly Higher In Canada

Carefree Automatic Ventilation and Electric Heat Now Available

Manufacturers of Greenhouses For Every Purpose Since 1856. Also See Page 93.

For Four Generations Builders of Greenhouses

ROSES continued

Close proximity to the roots of trees and their overhanging branches is detrimental, although much depends upon the climate. Often it is necessary to plant trees around a garden, if none exist, both as a windbreak and to afford some shelter from the sun, for usually partial shade during a part of the day is valuable.

Gardens should not be crowded into a limited area, for free circulation of air aids in preventing mildew.

Preparing rose beds

The first step in making rose beds is to mark out the beds carefully according to determined position and dimensions. If the beds are to be workable, 5 feet 6 inches is the limit of width. A narrower bed of 4 feet 6 inches, or 4 feet 9 inches, is preferable. The wider bed will accommodate 4 rows; the narrower, 3. For example, the wider bed, in the case of Teas or Hybrid Teas, will take the 4 rows set 16 inches apart each way, with an allowance of 9 inches from the sod on the outside edge.

Drainage must be considered carefully in making new beds. If the soil is light, sandy or gravelly, artificial drainage may not be necessary. But in most gardens, it is important to dig down 3 feet, removing all the soil. The top soil should be retained, but all or most of the subsoil should be discarded. Then the bottom of the pit thus prepared should be broken up with a pickaxe. Be careful that the bottom is level.

On the bottom, place a layer of good 3- or 4-inch thick sod, grass side down. It must be laid evenly. Upon this place a layer of about 4 inches of the top soil which was saved. Then add 4 inches of cow manure free from straw, shavings and sawdust—especially the last two. Place another 4 inches of good loam upon the manure and with a fork mix manure and loam thoroughly. Work backwards so as not to step upon the forked-over material and thus alter the level of the bed. From first to last, each layer added must be kept even. If one portion is compacted by being trodden upon, or if the layers are made uneven, then the bud of the bushes may sink unevenly.

Alternate layers of 6 inches of loam and 6 inches of manure are next added and forked together as before. In place of loam in this layer, finely chopped sod can be used.

This should bring the level of the bed to within a few inches of grade. It is desirable to do all this preliminary work in the fall before planting the next spring. Spring-made beds may need to be trodden lightly but fall-made beds settle naturally in winter.

In the spring, the final layer of top soil is to be added, care being taken during the winter to keep it dry under cover and thus facilitate spring planting. The top layer of soil must be fresh virgin loam, friable, and if possible taken from a meadow or pasture. The first 4 or 5 inches under sod are best.

The amount of this loam to be

(Continued on page 92)



To accent your rose beds, walks and driveway. Monthly-blooming Hybrid Tea varieties on 3½ ft. standards. Budded on four sides for large heads with abundant bloom.

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Your color choice selected from finest modern varieties: Red, Pink, Yellow, Multi-color, White. Shipped express collect at proper planting time for your locality.

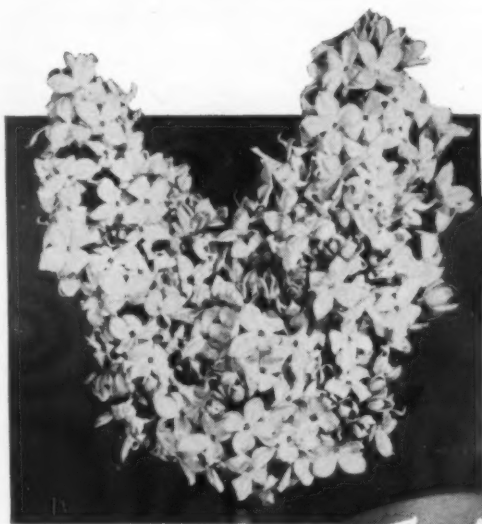


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Tritoma Coral Sea—graceful 30-inch spikes of soft coral red.

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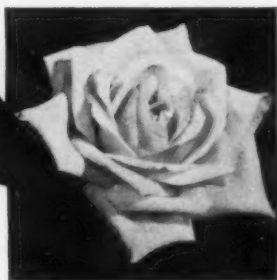
Send For World's Finest Horticultural Book-Catalog—Almost 200 pages, with hundreds of flowers illustrated in their natural colors. Thousands of gardeners rely on this book year after year as their source book of ideas and the finest worthwhile new plants. Complete cultural instructions for each item. Customers who purchased from Wayside Gardens in 1947 will receive their catalogs in due time. We request that those who did not purchase from us in 1947 enclose with their request 50c, coin or stamps, to cover postage and handling costs.

The New
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ROSES continued

added in the spring just before planting will vary according to the number of inches the bed has settled during the winter. It may be necessary, if the bed has settled much below grade, to add another half layer of manure and soil well mixed so that the manure-containing layer will not be more than 12 inches below the grade of the bed. About 15 inches of loam as top layer is required for planting bushes.

If it is necessary to add manure in the spring, it should be at least a year old. Manure for the bottom of the bed and that used in the fall should be about 8 months old. Avoid fresh manure.

While adding the final layer of loam to the bed, after about half the soil is in place, add a thin layer of bone meal. Use the best grade. Lime may be added to the various layers if an analysis of the soil shows the need.

After the bed is planted, usually not before, sods, 4 inches thick, are placed around the beds as a border, keeping the inner edges 9 inches from the bushes. The sods aid in conserving moisture.

Before beginning to plant, however, check the level of the beds to be sure they are 3 to 4 inches above grade. This is desirable because the beds will settle, due to the disintegration of the manure and of the sods. The plans for the garden should also be checked before planting begins to make certain that no errors have been committed. In the preferable 4-foot 9-inch bed, for example, there is space for 1 middle and 2 outside rows of Teas or of Hybrid

Teas. Hybrid Perpetuals should never be planted in the same bed with the previously-mentioned two types. Polyanthas should be set on the outside row, the bushes being spaced 9 to 12 inches apart. Climbing varieties of Teas or Hybrid Teas should be given more room, planted in separate beds.

Planting methods

The roses arrive. You may not be ready to plant them, or the weather may not be favorable. They should be heeled in.

The best method is to dig trenches about 15 inches wide and 2 feet deep. Bundles of roses, containing 6 to 10 each, according to size, are placed in these trenches on a slant and are covered with loam an inch or two above the bud. The loam should be friable, not wet or heavy. Between the rows 8 inches should be left, and the plants should be kept within 6 to 10 inches of grade—or the top of the trench. After the bushes are in place, they should be given a good watering, being well soaked. If the soil is washed away, an inch or so of loam is added.

Finally, the trench should be roofed with boards in tent fashion, so that an abundance of air may circulate through the rows, but both ends of each trench should be closed in to keep out both sunshine and drying winds.

Roses may be planted at almost any time of the year, depending upon climatic conditions. If fall planting is adopted, the "heeling-in" process is not (Continued on page 93)

Flowerfield's **TUBEROUS-ROOTED Begonias**

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Special Mixture

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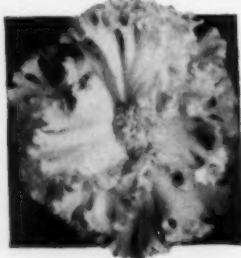


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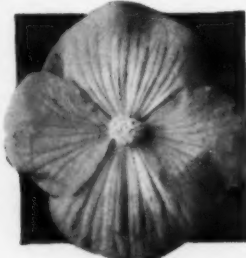


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This single Begonia has edges so deeply cut and frilled it looks double. The flowers of exquisite grace and beauty are more unusual than the other types and particularly desirable for decorative arrangements.

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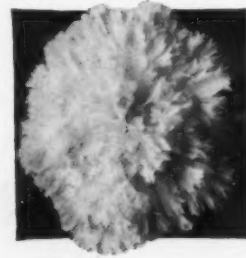


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necessary. In the New England states, fall planting is not as satisfactory as spring planting, and fall planting wherever there is alternate thawing and freezing during the winter is undesirable. Where winter temperatures are above freezing, or slightly below, fall planting is usually satisfactory.

Planting on a wet or cloudy day is advisable, as high humidity prevents the roots of the bushes from drying out.

When the hole for a bush is dug, the soil should be thrown out of the bed, so the level of the bed will not be disturbed or the grade altered.

The plants awaiting setting should be kept in a pail of water, with the bud and the roots covered. If the weather is sunny or windy, an old carpet or sack should be thrown over the bushes and the pail.

It is best not to dig too large a hole at the surface of the bed. Examine the bush and measure the length of its leg (that is the distance from the bud to the top of the roots). Then note the size and the number of the roots. Finally, dig the hole accordingly, tunneling sideways beneath the relatively small opening at the surface of the bed so that the roots may be spread out properly with plenty of room.

In the actual planting there are several important points to watch. The roots should be spread out horizontally, or nearly so, in layers. Never allow one root to touch another, but place soil between them. No pains must be spared in this detail.

The bud or graft is the focal point of determining the depth at which the plant is set. It should be set just an inch, no more, under the grade, or the

level of the bed, after the bed has settled. This is of great importance.

The roots should not be shortened as they store food for the plant, and, if pruned, will not send out new roots as quickly as will improved roots. Broken or dead roots must, of course, be cut away to prevent disease.

The branches or shoots of newly planted bushes should be pruned to within 2 or 3 inches of the ground, according to the variety. Climbing Hybrid Teas should be pruned only slightly, as severe cutting may cause them to revert to the dwarf form.

Firm planting is most essential. Not only the hands, but the heel and toe should be pressed into service in firming the soil about the roots. Every inch of the surface of the bed immediately about each bush should be carefully and thoroughly trampled. The test is this: the bush when properly set may not be easily pulled up by hand.

Finally the bed must be thoroughly watered and the water allowed to soak well into the soil. A light but even raking is then given to the bed.

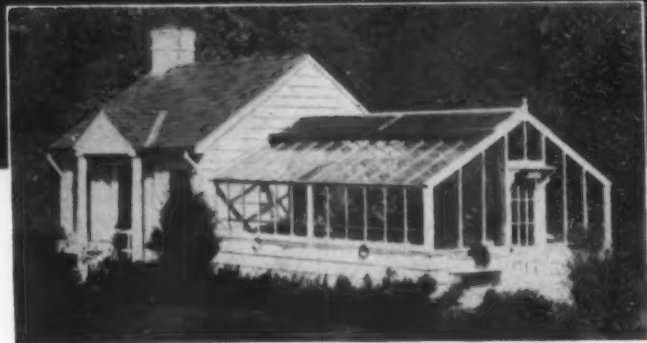
Newly planted beds

The top soil should be kept loose and open, but the plants themselves must be firmly set—so that they cannot be pulled up by hand. Many failures result from loose planting. Again, as before, it is vital to emphasize that firm planting is essential to success.

During the first summer, give plenty of water during dry periods, but feed nothing beyond a light dose of bone flour and wood ashes.

(Continued on page 94)

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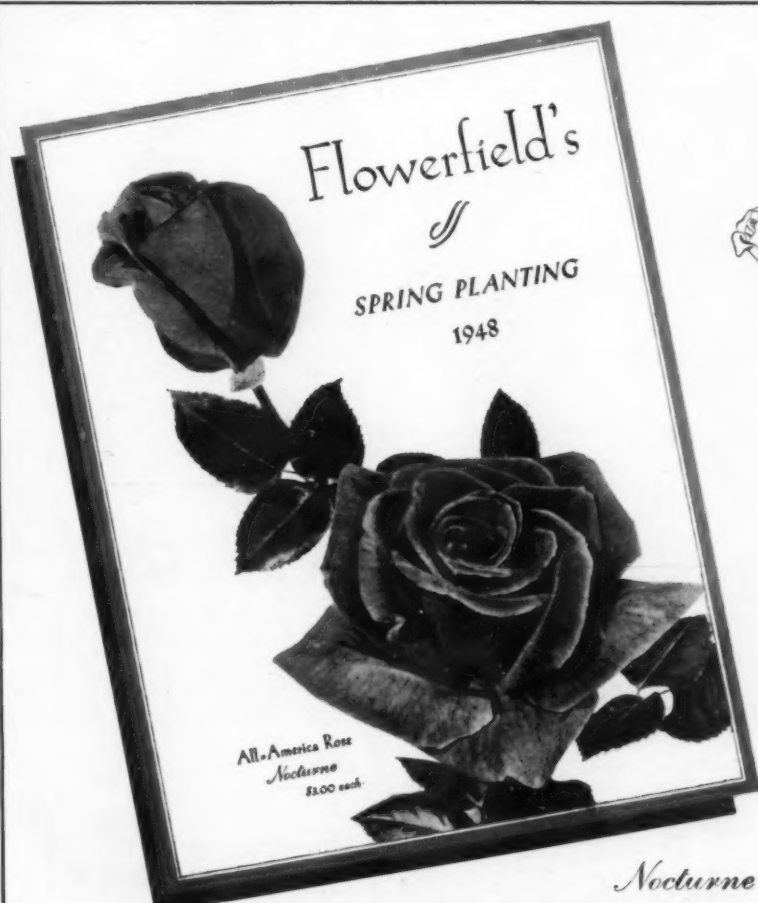
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ROSES continued

When the new bushes begin to bloom, be careful not to cut away any foliage from the plants. Allow the bushes to develop naturally, limiting cutting to the removal of any dead or diseased wood that may appear. Diseased foliage must be instantly removed and burned. Remove foliage only to keep the bushes healthy and to restrain them within bounds. Remember always, leaves are the lungs of a plant! Roses seem to grow and bloom better when the shoot is at a slight angle from the perpendicular. At least, this method of opening a bush away from its center provides space for a better circulation of air.

It is always best, also, in the matter of climbing roses, to tie the branches as nearly horizontal as is practicable and in such a manner that plenty of space is left between the branches. This is sometimes difficult to do because of the proximity of other roses and other plant material.

Food and water

The ideal food for roses is liquid manure. Where this cannot be used, a good dressing of cow manure, dug in soon after pruning time in the spring, is advised. Great care must be taken to cover the manure with soil but not to disturb the roots. This manure should be about 8 months old and free from sawdust, shavings and chips. Hay or straw must be removed. This type of dressing may be used two or three times during the summer

months; once or twice after the initial spring application. Keep in mind that liquid manure is far better.

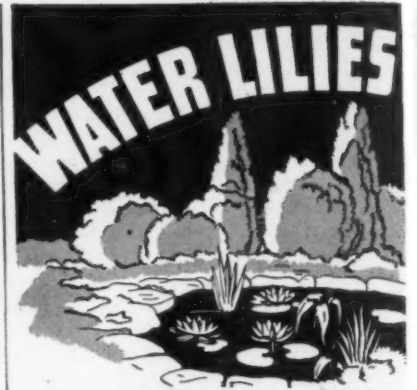
The only dressings used besides the cow manure are bone flour and wood ashes. A trowelful, about half and half of each, is given to each plant soon after growth starts in the spring. This feeding is repeated in about 6 weeks and given again in August. If black spot appears, use a good dose of wood ashes mixed with some soil. Take care not to allow the wood ashes to touch the foliage.

If wood ashes are applied without soil or bone meal, remove some three inches of old soil from about the plant, taking care not to disturb the roots. Apply the wood ashes and then replace the discarded soil with an equal quantity of fibrous or virgin loam, and rake the ashes in carefully. A bed may be revived this way, and black spot eliminated, unless nearby bushes continue the infection. A rose bush may not suffer in particular itself from black spot and yet be a "carrier" of the disease.

Close planting of bushes, varieties being spaced according to their growth, is a method I have used for many years to conserve moisture in the soil as well as to improve both the plants and the appearance of the beds. After the first year, the plan is to have the bushes near enough together so that the foliage covers the ground.

However, roses can be planted too closely together and their adequate development prevented. As stated pre-

(Continued on page 95)



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viously, 15 to 16 inches is about the proper spacing for Teas and Hybrid Teas, while 9 to 12 inches each way is correct for Polyanthas.

In most gardens it is best to water early in the afternoon, especially where there are trees near enough to cast late afternoon shadows, so that the foliage will be well dried before sunset. If the foliage is not dried and goes into the night damp, likelihood of mildew is increased.

Twice during the summer, use a small fork to break up the soil to a greater depth than is commonly done with the hoe, being sure, as before, to avoid root damage by staying away from the roots of the bushes. With the soil opened, water enters more easily.

I find that wood ashes give the best results if applied when the buds begin to show color. This is so because of the supply of potash thus afforded. In general it may be said that potash aids in root development, nitrogen supports leaf growth, phosphorus is important to blooms—although it is apparent that all three processes inter-act, for the three parts of a plant are inter-related.

Gardens along the coast, such as mine at Marblehead, are often drenched with heavy fogs. The bushes fare better if in the early morning after such a fog, the hose is used to wash the film deposited by the fog from the leaves. This aids in preventing mildew.

Pruning in spring and summer

The pruning of roses is not a simple matter. Roses are so individual in their growth habits that the successful gardener must have "rose sense" to

serve as a guide in pruning rose bushes.

A knowledge of the classification of roses and a clear understanding of how roses may best be grown to serve the particular purposes desired, are basic to intelligent pruning. But over and above that knowledge, even beyond the teaching of years of experience, the best guide is love of the roses.

Treat each rose bush in the garden as an individual. Examine its growth and its condition before touching it in any way. Cut out all dead, diseased and weak wood; cut to the ground. Then the art of pruning roses begins.

While the production of mammoth blooms may require sacrificial pruning, blooms may be grown up to 6 inches in diameter, according to variety, without severe cutting. Instead, provide the bushes with plenty to eat and drink. Grow them in a bed properly constructed to give sufficient nourishment, and perfect blooms will result.

As to summer pruning, experience demonstrates that it is unwise to deprive a bush of its foliage in warm weather. Maintaining as many leaves as possible will make for better summer growth and build up reserves against the coming winter.

Winter protection

First, when winter protection is practised, the canes of the bushes are bent slowly and carefully to one side. Being very careful not to loosen the root, bend the bush over in an arch form and hold it down with cross stakes. Great care is often necessary

(Continued on page 96)

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Dwarf Fruits—All varieties, from \$2.66 up. They can be pruned, sprayed or picked without ladders. Groups should be selected for proper pollenization, and we offer a suggested minimum selection of six: 2 Apples (Wealthy and McIntosh), 2 Pears (Clapp Favorite and Bartlett), 1 Plum (German prune), 1 Peach (Elberta). All 6 are 2-year size, fruit possible next fall, for \$23.00.

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Protect your banks from erosion with Vinca minor (heavy clumps \$12.00 per 100). Pachysandra under trees where grass will not grow—\$9.00 per 100. Many others to choose from.

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The best New kinds (as well as the old). Arranged so you can quickly select and know what you are doing. Priced lower than most for top-quality plants. Aster Feikarti, Berbasum Pink Domino, Astilbe Fanal, Penstemon Fire Bird, Dianthus Old Spice, Christmas Rose, etc.

RHODODENDRONS

Rhododendrons for 35 cents!—Native species in the smallest grade (12-15 inches) that can be safely handled with the smallest earth-ball, from 25¢ to 75¢ each, depending on quantity ordered. Heavier grade too: 5 assorted 18 to 24 in. B. & B. \$15.75.

YOUNG TREES & PLANTS

More than 900 different evergreen and deciduous trees and shrubs, plants, etc. in small seedling and transplant sizes by the hundred and thousand. As few as ten of a kind can be bought in many kinds. In a few years they are worth many times the few cents they cost now. Why not start your own nursery for future plantings?

ROSES

continued

to avoid breaking off the canes at the roots. It is best not to attempt to turn down very short or stubby bushes.

Where it is impossible to obtain loam for covering, use dry leaves. Leaves of hardwood trees are the best substitute. Straw or litter should not be used as it attracts mice. Even if loam is used, a top covering of leaves is advisable, for a thick covering of them keeps the loam from thawing out in the early spring days when the sun is often warm. The leaves may be kept in place with short lengths of branches.

For the sake of emphasis, since it is important that the roots be not disturbed, it must be repeated that the soil around a bush is *not* loosened before a bush is bent over for covering. The object of this covering is not to keep the bushes warm. Obviously it would be impossible to do that. Instead, roses are covered to keep them cold. Covering puts them in cold storage.

PARTIES

continued

approach to sauced dishes, the procedure of using the meat or fish as a background for the sauce.

Let's consider what to serve with your main dish, a *cassoulet*. Start with something decided, concentrated, definite. For 10, you might try:

Consommé Bellevue

Combine and heat two #2 cans of clear chicken broth with two #2 cans of clam broth. Check the seasoning. Whip a cup of cream, stir into it 2 teaspoons of prepared horseradish and put a blob on each cup. Soup is pretty difficult to handle for more than 10. If your party is going to be nearer 20, you might substitute

Anchovy appetizers

Allow a slice of bread per person, trim the crust, cut it into 3 fingers and toast lightly. For 20, you will need about 3 pounds of tomatoes and 1 pound of onions to make the spread. Peel, seed and drain the tomatoes, skin the onions and put them through the food chopper together. Then add just enough olive oil to make a spreadable paste. You won't need much seasoning because of the anchovies. Spread your toast fingers neatly with the paste, lay an anchovy fillet down the middle of each and sprinkle the edges with chopped green pepper or chopped parsley.

All the rest of the components of a complete meal are in the *cassoulet* so simply make a big salad to go with it.

Salad

For 20, get 2 big bunches of every kind of green you can find—romaine, chicory, escarole, spring onions, parsley, mint and if possible Boston lettuce, 3 or 4 heads depending on size. You might add a couple of bunches of celery, 3 or 4 green peppers, a cucumber or two, a bunch of radishes. Wash, trim, peel, seed and slice whatever seems to need it, but break up the leaf greens with your fingers. You'll need 2

(Continued on page 103)

Totty's TWO OUTSTANDING 1948 ROSE INTRODUCTIONS

Destined for distinction and unusual popularity are these new beauties introduced by Totty's this year.

DEBONAIR (Pat. 677)—Gay as a dancing doll, yet proud as an elegant lady is Debonair. Lovely, perfect yellow buds of delightful primrose shades open into highly centered flowers on long, stiff stems. A provocative, old-fashioned fragrance adds to its special charm.



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3 Packets (40¢ value) **25¢**

GIANT DAHLIA-FLOWERED ZINNIAs a mixture from all named varieties—**DWARF BEDDING PETUNIAS**, a mixture of colors from white to dark flaming velvet—**CHRYSANTHEMUM-FLOWERED HYBRID MARIGOLDS**, giant blooms, all colors.

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Write for this 70 page book, full of garden hints, ideas, descriptions, seed offerings, prices.

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FROM YOUR GARDEN TO YOU

CASSEROLE PAYSANNE

- 1 Large eggplant
- 4 Cups peeled tomatoes
- 2 Large onions
- 1 Cup peas
- 1/2 Cup olive oil
- 2 Cups grated cheese
- Salt
- Pepper
- Thyme
- Garnish with parsley

Peel tomatoes, dice eggplant, peel if desired though it is not necessary, slice onions. In round casserole or baking dish, place alternate layers of eggplant, peas, onions and tomatoes. Season with salt, pepper, thyme and grated cheese. Repeat until casserole is filled. Top with seasonings, cheese, bread crumbs and olive oil. Bake in 425° oven for two hours, stirring occasionally. Just before serving put a top layer of grated cheese. When cheese is golden brown . . . Serve immediately

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HARDY for your garden

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KELLOGG'S "MAIDEN BLUSH" (Plant Patent Applied for)



**20 to 40 blooms at one time... 15" to 18" tall...
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Opalescent, snow-white petals with just a hint of fairy gold in the center. "Frosty" is a carnation you must see before you can fully appreciate its splendor and beauty! Blooms from 2" to 2½" across! Packed with 20 to 40 blooms at one time, from June to first frost. Asks little care, gives sparkling arrays of flowers with delicate, appealing fragrance throughout the season.

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Suffused pinks blending and shading from light to dark are the beauty marks of the new Maiden Blush Carnation. Adds new glamour to your garden, with its delicate hues, its warm fragrance, mild and sweet. Healthy, vigorous, upright. It, too, grows 20 to 40 blooms at once, each from 2" to 2½" across, from June till first frost.

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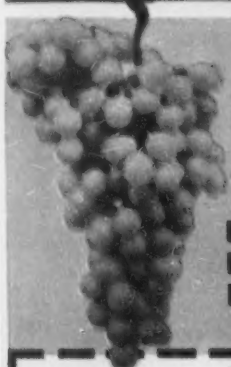
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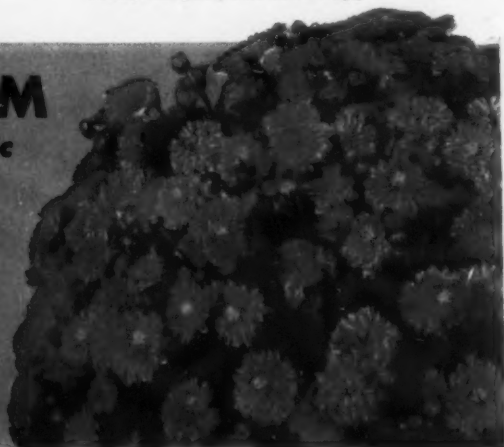
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Cultivate your garden . . . cut tallest weeds . . . mow your lawn
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FRUIT TREES

continued from page 33

selected. In pears, there are Duchess, Anjou, Lincoln, Bartlett, Gorham, Seckel, Comice and Conference. Any or all of these give an outstanding performance as ornamental and fruit producing trees. Peaches and apricots, even when grown on standard-size stocks, are readily trained into ornamental forms. Such varieties as J. H. Hale, Hal-Berta Giant, Red Haven, Golden Jubilee, and Early Elberta develop a tree-type that makes them "naturals" for home training.

Some of Luther Burbank's double-flowering peaches bear edible fruits which, while small, have a unique, honey-like flavor which has surprised many who expected flowers only.

The average back yard or garden can accommodate quite a selection of these small trees, which could readily be worked into your ornamental plans. As many as 25 dwarf trees can be grown in the same space required for four mature standard-size trees. Fruit trees can be grown against walls, as espaliers, on trellises like grapevines, or as cordons. Individual specimen plants can be developed into pyramids, vase shapes and other bush forms that require no more room than a lilac. I prefer to let the trees assume their natural form and beauty, only suppressing those portions that tend to over-grow or throw the trees out of balance.

These miniature or dwarf-size trees are easy to grow, spray and cultivate, requiring only about the same amount of attention you give your rose bushes. You can have a wide selection of several varieties in a relatively small area. They will provide a beautiful and fruitful screen for unsightly spots and are equally effective as arbors and for softening and enlivening the surface of a bare wall. Their limb spread is so limited that flowers, vegetables, berries can be grown right up to the trunk of the tree.

MAGNOLIAS

continued from page 61

not nearly as desirable as *M. acuminata cordata*, the yellow cucumber tree, mentioned above.

M. macrophylla probably has the largest flowers of any magnolia, often in excess of a foot across, and blooms 10 to 12 inches across are quite normal. They are very fragrant, white in color and cup-shaped. Though native to our southern states, it is perfectly hardy in and around New York City, blooming the first and second weeks in June.

M. tripetala, umbrella magnolia, is native from Philadelphia south to Alabama and west to Arkansas and Missouri. This reaches an ultimate height of approximately 40 feet. Flowers are creamy-white, 8 to 10 inches across; however, they have a somewhat disagreeable odor. The fruit or seed-case is rose-colored and, to many gardeners, more attractive than the flower.

The soulangeana varieties

One of the most popular groups of magnolias is the *soulangeana* type, generally referred to as saucer mag-
(Continued on page 100)



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PLANT PAT. No. 393
THE STAR OF STARS

"PEACE"—AMERICA'S FOREMOST ROSE

is the supreme achievement of our 50 years' specializing in the production of well-rooted, GUARANTEED TO BLOOM rose plants of the finest varieties from the world's greatest rosarians.

"PEACE" received the HIGHEST ALL-TIME SCORE in All-America Rose Selections. "Best rose of show" at leading rose shows the country over.

"PEACE" in your own garden will astound you by the sturdy vigor of its plant—by its large cerise-edged, golden-yellow buds, opening to immense, firm-petaled blooms of indescribable beauty.

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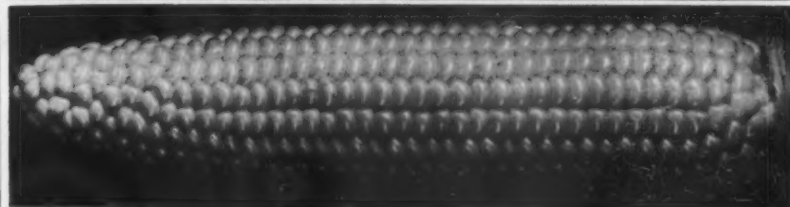
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MAGNOLIAS continued

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nolias. The original hybrid was raised in the garden of Chevalier Soulange Bodin, an officer of the French army, at Fromont near Paris. A hybrid of two Chinese species, it first flowered in 1826. Since its introduction to the United States, many hybrids have been raised and there are now varieties which bloom at different dates and vary in color. The flowers, noticeably fragrant, are produced from April 15 to April 25 in the vicinity of New York.

M. soulangeana alba superba, a desirable variety where late frost may occur, is of much the same habit as *soulangeana*, but the flowers are white and bloom a week to 10 days later than the latter.

M. s. alexandrina blooms at approximately the same time as *M. s. alba superba*, but the outside of the flower is a deep purple with some undertone of crimson.

M. s. lennei blooms even later than the foregoing, approximately May 8 to May 12, and is of more shrubby growth. The flowers are white inside, the outside being deep crimson.

M. s. nigra, blooming at approximately the same time, has flowers soft pink inside and dark purple outside. This variety is of rather more slender growth than any other of the *soulangeana* group.

M. s. speciosa, blooming in the vicinity of New York about May 1, produces white flowers with purple tinge outside, and is in many ways a most desirable variety.

Japanese varieties

In almost any garden in the United States plants will be found which had their origin in Japan, many of them rare and beautiful. One of the most outstanding of these is *Magnolia parviflora*, which may be called a large shrub, as it grows to about 12 feet. The flowers are creamy-white and cup-shaped with a mass of crimson stamens in the center. The blossoms are quite fragrant and the bright fruits very attractive. In this vicinity the variety blooms about May 25.

M. hypoleuca is of exceptionally vigorous growth, making a broad pyramidal tree and in its native habitat reaching a height of almost 100 feet. The flowers are creamy-white, 6 to 7 inches across, the stamens having purple filaments. The blooms are fragrant and attractive, late in flowering, usually at the end of May or early June.

M. kobus, a variety of narrow pyramidal growth reaching a height of approximately 80 feet, has white flowers 4 to 5 inches across and slightly fragrant. The plant is very hardy, and is often used by nurserymen as an understock for grafting of Chinese varieties. Blossoming dates are approximately April 22 to April 25.

Star magnolias

The star magnolias are of rather shrubby growth and may be called tall
(Continued on page 101)

"The most exciting Azalea we have ever seen"

463 Blooms the third year!

Like its parent, the famous Azalea Hindigiri, bright red, evergreen, dwarf. But Hino-crimson is ALSO (1) Fragrant, (2) non-fading, (3) more vigorous with shinier, larger leaves and (4) hardier, through southern New England and Pennsylvania. Need we say more? Facts can speak louder than adjectives!

The 12-inch specimen photographed (counted 463 blooms) grew from a 3-in. pot in only three years. Order direct, NOW. We can ship up to late May—safe even if in full bloom. Send only prices below—pay express on arrival.

PRICES:
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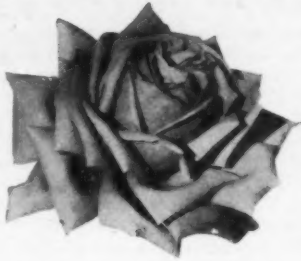
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MAGNOLIAS continued

shrubs or small trees. The one most generally seen is the white form, *M. stellata*. The flowers, produced quite early, usually April 10 to April 12, are 3 inches across and sweet-scented.

M. stellata rosea, rather more rare, being the pink form of *M. stellata* and growing more slowly, blooms at approximately the same date.

M. watsoni is one of the outstanding magnolias, and may be classed as a small tree or large shrub, reaching a height of about 15 feet. The flowers are approximately 5 to 6 inches across, white in color, with bright crimson stamens. It is fragrant, blossoms approximately June 1 and is a desirable variety in every way.

Space does not permit more than mere mention of other available varieties—*M. salicifolia* from Japan; *M. rustica*, a *soulangeana* with flowers of deep purple outside; *M. liliflora*, from China, a shrub with flowers white inside and purple without; *M. campbelli*, with pink, white and crimson blossoms; the Yulan magnolia and Wilson's variety from Western China.

Planting and care

Magnolias thrive best in a somewhat rich, moderately moist and porous soil into which a fairly substantial quantity of sand has been mixed. They like good drainage. However, there is one exception to this rule—our own *M. glauca* thrives best in very moist and swampy situations. As a group, magnolias are heavy feeders and they

should be at all times abundantly fertilized. They can be grown in partial shade.

They should not be planted too close to other trees and shrubs, as their full beauty can only be appreciated when they stand alone and have ample room in which to develop. It is quite possible, by judicious selection of varieties, to have a continuity of bloom from early April through to early June. Sometimes a late frost will somewhat mar the beauty of the early types, therefore it is always wise, when planting magnolias, to select varieties, some of which are early, some mid-season and others late flowering. A small plant costs around \$3.

Generally speaking, the transplanting of magnolias is difficult, owing to their very fleshy root system. In most cases a liberal amount of sand should be used when transplanting, so that the roots have ample drainage while they are becoming established. Transplanting is most successfully performed in the spring just when the new growth is starting. At least one or two nurserymen are now growing magnolias in pots, greatly reducing the possibility of loss in transplanting.

The propagation of the various types of magnolias is accomplished by producing seedlings, layering, making cuttings or grafting either on *acuminata* or *kobus*. Even though magnolias at first are of rather slow growth, once they become established they will amply repay the time it has taken to bring them into their full beauty.

SNYDER HOUSE continued

Following is a list of the building materials and equipment. Manufacturers' names are given wherever possible.

- FOUNDATION:** Stone
- EXTERIOR WALLS:** Stone
- ROOF:** Slate
- DOORS:** Original wood doors
- WINDOWS:** Double-hung wood sash
- GLASS:** Early 18th and 19th Century
- FIREPLACES:** Stone
- INTERIOR WALLS:** Plaster on studs
- CEILINGS:** Plaster and wood
- FLOORS:** Pine
- HARDWARE:** Original wrought iron; brass knobs
- PAINT:** Lead and oil—Monroe, Lederer and Taussig, Inc., Philadelphia
- Wood Finishes—Minwax Company, Inc.
- HEATING:** Oil-fired forced-air furnace
Coleman Lamp and Stove Company
- CONTROLS:** Thermostat—Minneapolis-Honeywell Regulator Company
- PLUMBING FIXTURES:** American Radiator and Standard Sanitary Corp.
Shower—Fiat Metal Manufacturing Company
- KITCHEN EQUIPMENT:** Sink and laundry tub—American Radiator and Standard Sanitary Corp.
- RANGE:** Old coal range
Electric range—General Electric Company
Refrigerator—Westinghouse Electric Corporation
- FENCE:** Post and rail—New Jersey Fence Company, Burlington, New Jersey

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Free east of the Mississippi; *25 cents elsewhere.

First copies will be mailed as soon as received from the printer in January. Customers of record will receive their copy automatically.



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FREE CATALOG

Big 1948 Spring Catalog just out shows many new roses and perennials. Also gives many valuable garden hints. It's FREE. Check box in coupon. Jackson & Perkins Co., 32 Rose Lane, Newark, New York.



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I enclose \$..... At proper Spring planting time for my locality, send me, postpaid, Pink Sensation Delphinium plants. Also send FREE Garden Guide with my order.

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ONE-ROOM HOUSE continued

or corrugated metal. Mr. Frey found the facings could be screwed in place quickly and with little effort; he applied all the panels himself with a drill and screwdriver. The system also allows for easy expansion, a virtue now being proved; he is adding a larger living room. The construction is particularly good in Palm Springs because it doesn't hold the summer heat and radiate after sunset; in winter the thin walls and large glass areas permit solar heating. However, it is also suited to the average American climate if the joints are filled with mastic, and the air spaces between the facings with insulation. These materials—metal, asbestos cement board, glass and concrete—are all the result of modern technology and by their very precise fabricated nature look well together. Unlike New England clapboard, or Southwestern adobe, they are appropriate to any region.

In the hot, mid-day hours of summer, when the house is closed tight, a small cooler, which is also a humidifier and fan, washes the air of dust and heat but admits the pungent scent of citrus trees. Electric space heaters built into the walls remove the early morning chill.

The sharp silhouette of the house is contrasted with the irregular outlines of fig and pepper trees, pink bursts of hibiscus and the ubiquitous palms. Mr. Frey believes that a house is more than its walls; walls should be extended to the outdoors to form wind-breaks, screens for privacy, and to create the illusion of greater interior

space. When necessary, sliding glass forms a barrier to weather.

The swimming pool is an important part of his expansionist house plan. It forms a dramatic emphasis to the barren desert landscape and underlines a view of the distant San Jacinto Mountains. This unexpected note of luxury was the product of a pool-digging party to which Mr. Frey contributed materials, supervision and refreshments. Because outdoor furniture in Palm Springs is short lived, the pool-side seats are also of poured concrete covered with bright cushions.

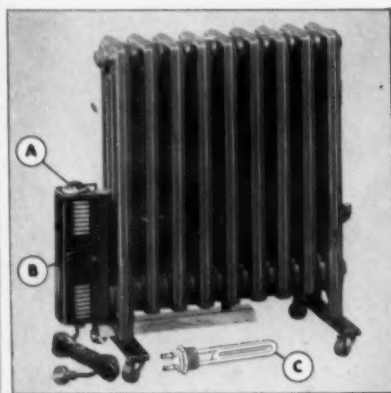
Following is a list of the building materials and equipment used in Albert Frey's house. Manufacturers' names have been supplied wherever possible.

- FOUNDATION:** Concrete
- EXTERIOR WALLS:** Asbestos cement board—Johns Manville Corp.
- Corrugated metal, painted—Republic Steel Corp.
- Wood frame.
- ROOF:** Composition (3-ply) with aluminum cap sheet—Paraffine Companies, Inc.
- SLIDING DOORS:** Glass and screen
- GLASS:** ¾" crystal plate—Pittsburgh Plate Glass Corp.
- FLOORS:** Concrete, waxed
- HARDWARE:** Schlage Lock Co.
- HEATING:** Electric—Thermador Electrical Mfg. Co.
- INTERIOR WALLS:** Asbestos cement board—Johns Manville Corp.
- CEILING:** Corrugated metal, painted—Republic Steel Corp.
- PAINT:** W. P. Fuller and Co.
- LIGHTING:** Potliff Co. and Westinghouse Electric Corp.
- PLUMBING FIXTURES:** Crane Co.
- EVAPORATIVE COOLER:** Utility Fan Corp.
- KITCHEN EQUIPMENT:** Linoleum counters—Armstrong Cork Co.
- Range—Thermador Electrical Mfg. Co.
- Refrigerator—Westinghouse Electric Corp.

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C. Calrod Heating Element—Famous immersion-type coil—built to deliver 15-20 years of service under ordinary use.

High Efficiency—This modern "slenderized" radiator heats as efficiently as the old-time type

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* F. O. B. Zanesville, Ohio

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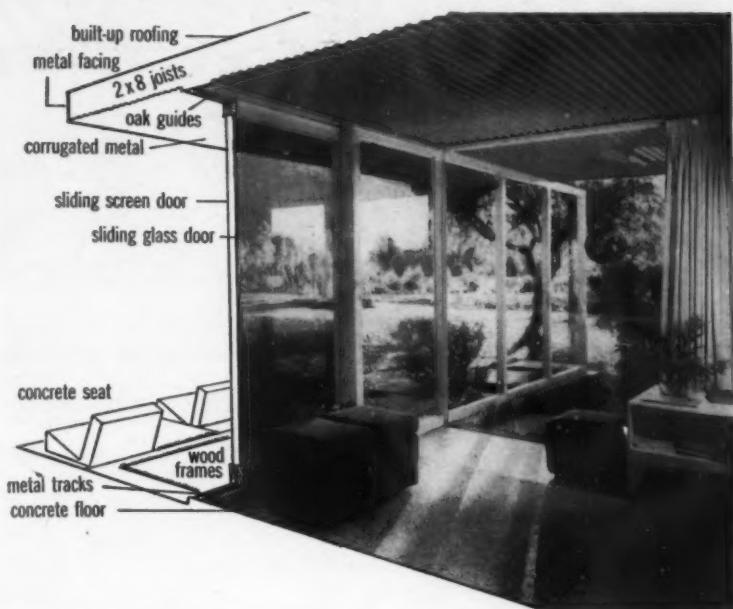
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city..... zone #.....

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I enclose check money order for \$7.50

ONE-ROOM HOUSE continued



Utter simplicity has been carried through to the last detail. Glass doors and screens, which form the major portion of three walls, slide on aluminum tracks screwed to concrete floor; are guided by 1/2" oak rails attached to roof joists. Curtains move on ceiling tracks. Roof extension keeps out high summer sun.

PARTIES continued

big bowls. Rub their sides with a cut clove of garlic, lay in your greens and chill, covered, till the last minute. Into each bowl, mix 15 tablepoons of French dressing. Then toss.

Make the dessert either small and quite sweet, or big and hearty, profiterolles for 10 or apple pan dowdy for 20.

Profiterolles

Shells:

- 1 cup water
- 1/2 cup butter
- 1/2 tsp. salt
- 1 tsp. sugar
- 1 cup flour
- 4 eggs

Filling:

1 1/2 qts. vanilla ice cream

Sauce:

- 1 1/2 cups sugar
- 1 1/2 cups water
- 6 squares choc.
- olate
- 2 tsps. vanilla
- 1/4 cup sherry

This deceptively expensive looking dessert is surprisingly easy to accomplish. Good for parties, too, because everything can be done in advance and assembled at the last moment. What you're up to is tiny cream puffs to be filled with ice cream and topped with chocolate sauce. What you do is put a cup of water, 1/2 cup of butter, 1/2 teaspoon of salt and 1 teaspoon of sugar into a saucepan and bring them to a boil. Take them off the stove and stir in 1 cup of flour. Put them back and cook, stirring hard, till the mixture "cleans the pan." You'll know the minute it happens. The mixture starts stiffening, gathering on the spoon and finally pulls every bit off the sides of the pan. Lift it out, put it in a mixing bowl, scrape the spoon free and in the hole it left, break an egg. Beat this in. Repeat till you have put in 4 eggs. Keep on beating till the mixture is smooth, short, shiny. Then shape in little walnuts on a series of ungreased baking sheets a couple of inches apart, (Continued on page 106)

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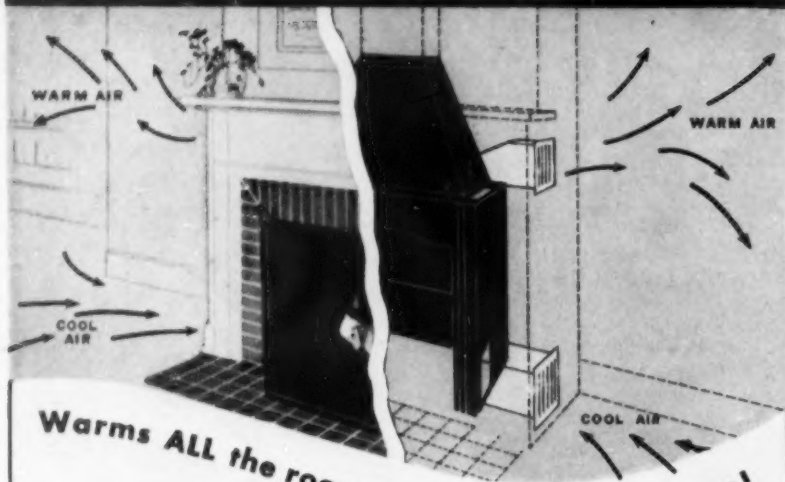
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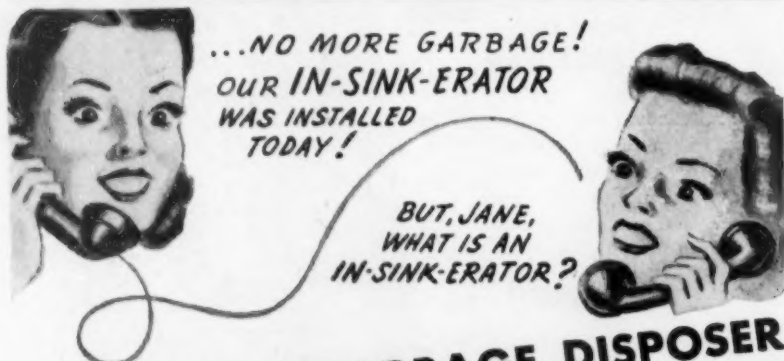
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A. Wonderful... it pulverizes all our food waste before it becomes garbage... and flushes it down the drain into the sewer.
- Q. Bones too?
A. Oh, sure. Bones, pits, rinds, peelings, parings, trimmings and ash tray contents.
- Q. Do you have to clean it?
A. Never... IN-SINK-ERATOR's reversing action makes it completely self cleansing.
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A. From our plumber... and he installed it, too.
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PRICE \$119.50 (Plus Installation)

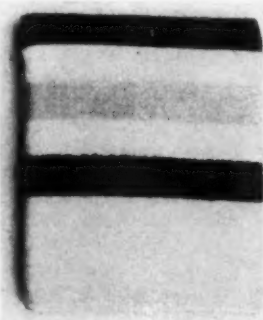
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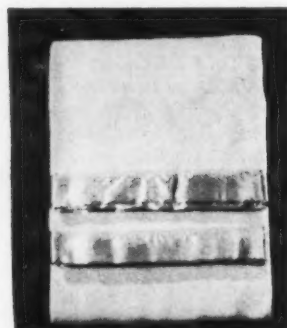
BED AND BATH



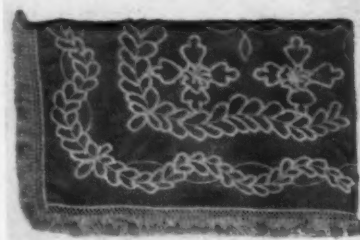
Adjunts to a peaceful night's sleep and a cheerful getting-up the next morning appear on this page. Above, a Regency pole screen has a mirror mounted on it which swings around to reflect every angle of its owner's face. It comes from Past & Present in New York, costs \$65. The collection below will further add to the comfort and the prettiness of your bedroom, from the gracefully-patterned spread to the warning sign which, hung on a door knob, will help to keep the early-rising younger generation in your family at bay till you feel like facing it.



All-wool blanket, Glacier Park, of virgin fleece, 72" x 90", by Pendleton Woolen Mills; \$21.50 from B. Altman.



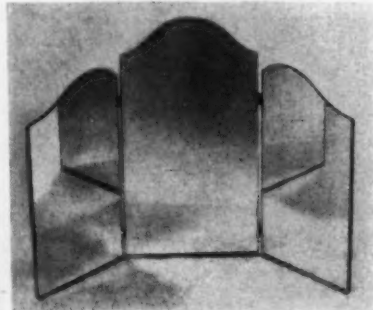
In five pastel colors and white, this Pearce Beauty blanket, 72" x 90", costs \$17 at Gimbel's, Pittsburgh, Penna.



Pancy quilt by Blue Ridge Bedspread Co. in white, blue, rose, gold or green is \$17.95 at Jordan Marsh, Boston.



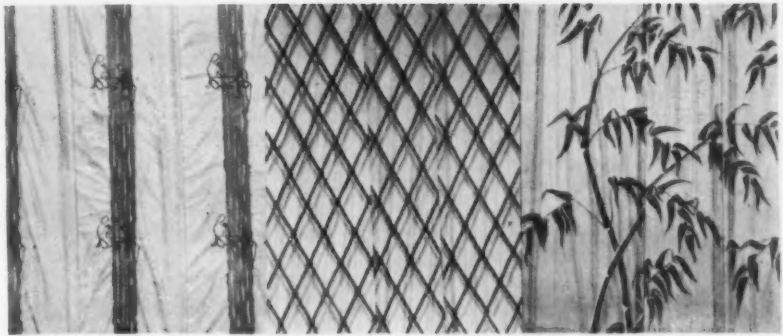
Calculated to frustrate early risers with gregarious natures, this sign for a doorknob is \$1.95 at Lewis & Conger.



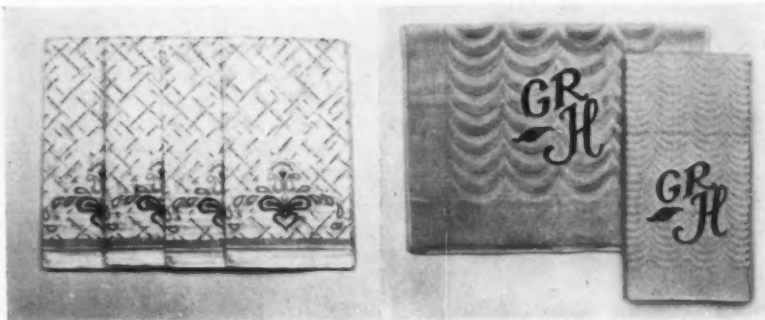
Three-way mirror for your dressing table costs \$35 as shown, \$55 with its own lights, at Hammacher Schlemmer.



Sleep inducer, a record in a DeLuxe Album. Ralph Slater talks soothingly, to music, \$5.25 at Lewis & Conger.



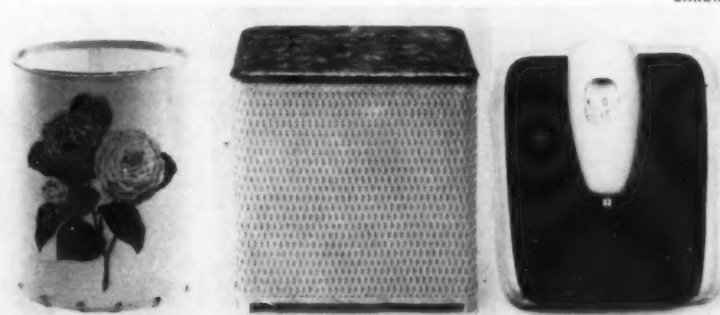
Three plastic shower curtains. The one at the left is "Figurette," made of plastic film by Plastron, Inc. and \$4.59, Macy's New York. In the center, Kleinert's "Double Net" made of Alluron, \$6 at the Boston Store, Milwaukee, Wisconsin. "Bamboo," right, has maple and white trees on a yellow ground, is by Krene, \$5.95 at Davison Paxon, Atlanta, Georgia. They are all light in weight, dry quickly, stand hard wear and resist mildew, cracking and other old-time damagers.



Towels. A new non-woven fabric is used to make guest towels which can be thrown away after using—a great saving of laundry. They are soft and absorb moisture beautifully. These, on the left, "Masslinn" measure 13" x 17", 12 in a package, 3 dz. \$1.30 ppd., Dempsey & Carroll, New York. The bath mat and towel set, on the right, are in Fieldcrest Mills' graceful "Swag" pattern. The mat, \$2.88, the towel, \$2.18, monograms extra, at Bloomingdale's, New York.



Necessary and luxurious. Many men, and some women prefer small bath towels to hand towels. For them Callaway Mills makes a hand-sized bath towel to match its "Corsage" pattern. Shown on the left is a set of three: the small towel, \$1.10, the standard-sized towel, \$2.30 and the face cloth, 40 cents at Strawbridge & Clothier, Philadelphia, Penna. Right, vials to perfume baths and soaps in Mary Chess "Strategy" scent, \$8.50 at B. Altman, New York, N. Y.



Bath furnishings. At the left, a white plastic wastepaper basket decorated with a giant camellia by Kleinert Rubber Co., \$6 at Rich's, Atlanta, Georgia. Center, a Pearlwick hamper with a woven base, a marbled top, is so well constructed that you can sit on it. It is \$5.98 at James McCreery, New York. The Counselor scale, right, has an adjustment to correct readings, magnifying glass over the dial, is enamel with a ribbed rubber platform, \$6.95, Macy's.



How BASE-RAY Radiant Heating improves appearance and makes rooms more comfortable

Women everywhere are hailing BASE-RAY* Radiant Baseboards as the modern heating miracle. They keep rooms as warm as toast, yet are so completely unobtrusive your guests will wonder *what* and *where* your heat source is.

Install BASE-RAY and you can completely ignore the handicap formerly presented by conventional heating "units" and arrange furniture and drapes precisely as desired. Thus any room becomes larger—more decoratively interesting . . . more livable.

BASE-RAY Radiant Baseboards are hollow cast-iron units only 7" high and 1 3/4" thick—supplied with either hot water or steam from your regular heating boiler. They are installed in running lengths along the outside walls in place of the usual wooden baseboard and when painted to match the walls or trim, are so inconspicuous as to be practically invisible.

Wonderfully efficient—they flood walls and floor with draft-free radiant heat. And even in zero weather the floor-to-ceiling heat differential is less than 3°.

Get further facts on this new and improved method of Radiant Heating—mail coupon below.


All valves and fittings are concealed.

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CABINET MAKERS

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PARTIES continued

and bake at 400° till golden brown and nicely puffed—about 15 minutes. This makes about 4 dozen.

Next order your ice cream. Then, for the sauce, bring to boil 1½ cups sugar with 1½ cups water. (Put the water in first, or the sugar may stick.) Boil 5 minutes. Let it cool while you melt 6 squares of bitter chocolate in a double boiler. Stir it into the syrup. Add 2 teaspoons of vanilla, ¼ cup sherry and set to chill.

To assemble: slit the little cream puffs along one side so you can partly open them. Stuff into each as much ice cream as it will hold. Arrange 4 on each dessert dish, pour over them 3 or 4 tablespoons of sauce.

Apple pan dowdy

Crust:

- 2 cups cake flour
- 4 tsp. baking powder
- 1¼ tsp. salt
- 1 tbsp. sugar
- 4 tbsps. butter
- ¾ cup cream

Filling:

- 6 cups sliced apples
- 1 cup sugar
- 2 tbsps. flour
- Butter
- 1 tsp. cinnamon

Sauce:

- 1½ pints chilled cream

You'll need 2 of these for 20, so double your quantities on items you have to buy with the exception of the cream. And you'll also need 2 of those shallow oblong oven-proof dishes to

bake them in, about 18" x 10". When it comes to making it, do it twice. Don't try to double the crust recipe: you just can't mix that much dough properly.

Sift and then measure 2 cups of cake flour. Sift into it 4 teaspoons of baking powder, 1¼ teaspoons of salt and a tablespoon of sugar. Then cut into it 4 tablespoons of butter. Blend the butter into the dry ingredients till you have a fine-grained mixture that looks very much like cornmeal. Then stir in ¾ cup of cream. Butter your dish and arrange the apple slices in the bottom. Sift a cup of sugar, 1 teaspoon of cinnamon, and 2 tablespoons of flour over them. Dot them liberally with butter—you can use up to ½ cup. Then spoon the crust over them evenly. Bake in a 425° oven for ½ hour. Then open the oven door for a few minutes, turn off the heat, cover the tops with pieces of paper and let the dishes sit in the cooling oven with the door closed for 15 minutes more to be sure your apples are cooked. The absolutely perfect sauce is plenty of cold thick cream.

The cassoulet

From the butcher:

- 4 lbs. lamb shoulder, cubed
- 1 lb. pork sausage with garlic
- 6 oz. salt pork, diced
- Lard

From the grocer:

- #2 can of tomatoes
- 3 lbs dried marrowfats or navies
- Parsley

(Continued on page 108)

*there's a NEW LOOK
in China too!*



The new look you've been waiting for to grace the smart, modern dinner table. You'll find this exciting California styled hand-decorated china in open stock in fine stores everywhere.

Winfield
HANDCRAFT CHINA

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City.....State.....



WASTE continued

is just a boy, on the plump side, who stuffs and is proud of it. You will find him in every street and community. Not one of these three realizes that in a world where the majority of the human race is undernourished to the point of exhaustion, their appearance is—quite literally—obscene. It is obscene not only in its distortion of the human body but as a direct reflection of waste and thoughtlessness.

This waste and consequent indulgence, unconscious as they may be, are not confined to the home scene. Go to any restaurant and see half-eaten steaks carried out to the kitchen and thrown away, every day, along with pounds of rolls, vegetables and desserts left on their plates by citizens too preoccupied to finish eating or too sated to want to. Look along any soda-fountain counter and watch half-eaten sandwiches scraped into the bins. It is not a pretty sight. It is a criminal sight: one hundred and twenty-five million pounds of food wasted per day in a world near chaos for want of it.

Mr. Jones, of course, suppresses any momentary twinges of conscience he may feel by comforting himself with the happy myopia of some of our foreign observers. It is nice to know that Mr. X. went to Europe and saw no one starving. It is nice to know that the fashionable restaurants in Europe have such wonderful food and that some peasants live handsomely. It is nice to know that Mr. X. ate so well everywhere.

But it is not quite so nice to know the truth. The truth is that these so-

called observers cannot tell the difference between starch-bloating (one sign of undernourishment) and healthy fat; that the human body can look fit and yet have no resistance to disease; that restaurants in European cities may be full of good food while two blocks away whole families subsist on 1500 or less calories a day for each member (our own average is 3392). The truth is that, notwithstanding an outrageously selfish and privileged minority in every country except England (where all share austerity) and notwithstanding the happy comments of a few irresponsible American travelers, the people of Western Europe are so undernourished and so weakened that they are prey not only to diseases of the body but diseases of the mind and spirit. They are perfect fodder for totalitarianism, the refuge of the desperate. People with enough work and enough food do not sign away their souls. People without either have nothing else to lose.

And what concern is this of Mr. and Mrs. Jones and Mr. and Mrs. Stuyvesant and their growing families? Merely this: that every piece of edible food thrown in the garbage pail and therefore withheld from those who need it, is food for war. That every pound of unnecessary fat which we put on ourselves is a sign of our own decay, physical and mental. That every indulgence which we permit ourselves in the way of waste is a death-warrant—ultimately our own. For by all these

(Continued on page 108)

Perfection in Champagne
Since 1785

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COLONY COURT Furniture

by **GLOBE** HIGH POINT NORTH CAROLINA

Colony Court has adapted the popular two-cushion full length sofa to 18th Century styling in the Hepplewhite manner with all solid mahogany exposed wood frame and down cushions.



PHOTO COURTESY HUNTERHARD-ROSS, MILWAUKEE

KNOTTY PINE FURNITURE BY *Habitant*

A stunning breakfast room dominates this smart yet casual Habitant group that will bring true distinction to your living room. Superbly fashioned and produced from Michigan Knotty White Pine by the craftsmen of Habitant. See these and other Habitant groups and individual pieces for the informal living room, recreation room, dining room, and bedroom at better stores everywhere. Write for the name of the dealer nearest you.

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Zephyr ventilated awnings will outlast most homes on which they are installed. They give year-round protection at a nominal price, and an occasional coat of paint renews their beauty... enhances the charm of your home.

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But Zephyr awnings can do nothing for your home until they are installed—so we suggest you write us today for free estimate and consultation by your nearest Zephyr distributor, with absolutely no obligation to buy. Illustrated literature is also available by simply mailing the coupon below.

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Gentlemen:

Please send me the name of my nearest Zephyr Distributor who will furnish free estimate and consultation without obligation on my part.

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Address _____

City _____

From the larder:

- 4 onions
- 4 cloves garlic
- 1/4 cup of bread crumbs
- Dried celery
- Bay leaf

This is planned for 10, and you simply make 2 for 20. Put your beans to soak for a couple of hours in water to cover. Then drain and put in a big pot with cold water to cover. Add a tablespoon of salt, and the sausage. Bring to a boil and cook slowly for 35 minutes, then take out the sausage and continue cooking till beans have gone a full hour. Meantime set the salt pork in water to cover and cook 5 minutes. Melt a tablespoon of lard in a saucepan, and in it sauté the drained salt pork till nicely brown. Take out, add more lard if needed and sauté the lamb cubes, sprinkling them with salt and pepper as you turn them. When they are brown, tip the saucepan and drain off the excess fat, then add 4 onions, chopped fine, and cook till they are golden. Pour enough water

over the contents of the pan to cover and bring to a boil. Then add 1/2 can of tomatoes (about 1 cup), the pork, 4 cloves of garlic peeled and cut in half, a big bay leaf, 3 or 4 top stalks of celery with the leaves on, and 3 or 4 branches of parsley. This, plus a good pinch of dried thyme, is tied in cheese cloth. All this cooks in the big saucepan for 1/2 hour. Then drain the beans. Cover the whole tightly and set over a low flame for two peaceful hours. You can do all this the day before. The finish is simple. Rub the sides of your big casserole with a cut clove of garlic. Slice the sausage. Arrange a layer of sausage on the bottom of the casserole, then a layer of beans. Sprinkle the top of this with salt pork dice, put in some more beans and then a layer of sausage. Go on like this till you have everything in. Then pour in all the sauce from the pan, sprinkle the top with bread crumbs, dot with butter and put in a 400° oven for 20 minutes to warm through. If the top doesn't brown, run it under the broiler for a minute. Sprinkle with chopped parsley—and there you are.

WASTE continued

things we are splitting the world so sharply into those who have too much and those who have too little that we are inviting our own destruction. That kind of division is fission. And that kind of fission is deadly.

What can the Jones and the Stuyvesants do about all this? They can clean their plates and, in consequence, buy less; thus making their neighborhood grocer and butcher and

baker stock less, and leaving more for the stock-piles of food to be sent abroad. That is all that is asked of them. What they buy, they can eat, and eat it all. If not, they will have only themselves to thank for a world ranged against them, in hopelessness and hate.

Their sacrifice is the emptied plate and fewer of them. It is a small sacrifice for self-preservation. It is no sacrifice; it is an overwhelming obligation.

"Glacial" BEAUTY

7-piece Refreshment Set. Colored "Glacial" decoration on hand-blown, brilliant crystal, with bright gold or platinum trim.

Designed for Refreshment. Cool and mouth-watering just to look at. Colored ground glass cunningly fused onto the outer surface will not rub off, gives permanent frosting on 3-quart ice-lipped jug and 10-oz. tumblers. Jug is ice-white "Glacial" and crystal, with gold or platinum bands. Bright gold or platinum-banded crystal bases of tumblers puff out into gay, rounded bowls frosted in luscious shades of blue, lime and strawberry ice. "Glacial" design is also available in Juice and Cocktail sets.

When buying glassware, look for the blue and gold label of West Virginia Glass Co. It's your assurance of hand-blown, brilliant crystal glassware—smart, modern design—superlative quality—at conservative prices. At gift, jewelry and department stores. For name of your nearest dealer, write West Virginia Glass Specialty Co., Weston, W. Va.

WEST VIRGINIA GLASS
WESTON
W. VA.

BED AND BATH continued

Here is information on the accessories shown on pages 67 and 68.

All prices are approximate retail.

Page 67

Upper photograph: 15. Blue eyeshade, \$3.25, Eleanor Beard; white nightgown, \$75, Leron; white pillowcase, pink eyelet edge, monogram, three-piece set, \$36.85, Mosse; 1. Telex radio attachment, \$12, Lewis & Conger; 2. antique crystal bottle, \$45, Mary Chess; 6. round dish with gold design, one-of-a-kind, Attman-Weiss; 7. Golden Arrow perfume, \$35, John Frederics; 9. blue lingerie cases, \$35 the set; 4. sachet set, \$8.25, Mary Chess; 10. blue overlay bottles, \$120 pair, Attman-Weiss; 12. white bristol urn, \$40, Gourielli, Inc.; 13. blue glass bottles, \$17.50 pair, Designed For Living; 11. gray quilt, 82" x 90", \$72, Mosse; pink dotted wallpaper, \$1.50 a roll, Richard E. Thibaut, Inc.

Lower photograph: 1. General Electric beam alarm clock, \$8.95 plus tax, Lewis & Conger; 3. Mackie-Lovejoy "Setwell" hanger, \$2.50, Hammacher Schlemmer; 17. Bendix radio, \$27.95, Lewis & Conger; 2. red corduroy pillow, \$15.95, B. Altman; 4. Golden Arrow bath oil, \$5-\$10, John Frederics; 5. combs, \$1-\$2, Caswell-Massey Co., Ltd.; lucite brush, \$9, Fraser's; 10. Sperti sun lamp and goggles, \$37.50 complete; 9. smoker robot, \$3, Lewis & Conger; 6. cologne bottles with gold tops, large, \$15, small, \$8.50, John Frederics; 15. black ash tray, about

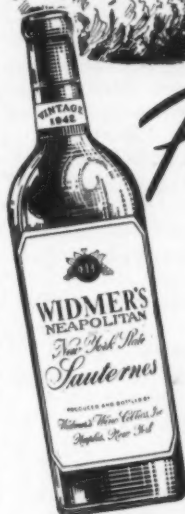
\$1.50, Viking Glass Co.; 14. shaving mug, \$17.50, Gourielli, Inc.; gray "Primavera" Di-Lon wallpaper, \$3.35 a roll, F. Schumacher & Co.

Page 68

Upper photograph: 2. Overlay bottles, green and gold stoppers, \$80 pair, Olivieri; 1. yellow puffs in glass apple, \$2.70, Hammacher Schlemmer; 4. French porcelain bottles, \$120 pair, Attman-Weiss; 14. sponge, \$6, Caswell-Massey Co., Ltd.; 12. vanity case, \$19.95, Hammacher Schlemmer. (In case: lucite brush, \$8.75, Caswell-Massey; cosmetics, John Frederics.) 6. white milk glass jar, \$25, Gourielli, Inc.; black ash trays; 8. \$5, 9, \$12.50, 10, \$5, 11, \$15, Gourielli, Inc. (soaps from Fraser's, Gourielli, Hammacher Schlemmer, John Frederics).

Lower photograph: 2. English friction towels, \$5.25 each, Mosse; 3. Pine and Sage Brush sachets, \$8.25, Mary Chess; 17. Essway brown glazed leather wastebasket, brass nailheads, \$25, Saks Fifth Avenue; 18. Golden Arrow soap, \$3.75, John Frederics; Chessman toilet water, \$3.50, Mary Chess; 4. magnifying mirror, \$3.95, Hammacher Schlemmer; 5. plastic shoe-horn, 95c, Lewis & Conger; shaving brush, \$25, Caswell-Massey; 15. shaving mug, \$17.50, Gourielli, Inc.; 16. "Mediterranean" sponge, \$3.50; 14. Loofah, \$1, Caswell-Massey; 13. lucite brushes, \$2.75 to \$27.50 pair, Fraser's; 7. green bottles, \$17.50 pair, Designed For Living; 8. crystal dish (holding soaps

(Continued on page 111)



Picturesque Panoramas-

A NECESSITY FOR QUALITY WINES

The beautiful scenery surrounding Naples Valley is an important ingredient in Widmer's Wines. For many grape varieties reach their prime only on sunny hillsides. Add the district's especially favorable soil and Widmer's exacting production standards and you have fine wines at their very best.



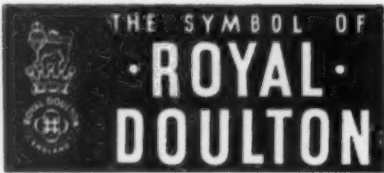
Provence, in southern France, is a land of legend, of quaint customs, of fetes, and of historical romance. For you, in Bodart Provincial, its beauty, gracious hospitality and charm are recaptured.



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Just as Bodart Provincial brings the charm of a distinctive tradition to your home of today—so will it retain its eminence in your home of tomorrow. Whether complemented by a traditional or contemporary background, each Bodart piece maintains a quality of special beauty. Superior craftsmanship is evidenced in every detail of design, cabinetmaking and finish. The name "Bodart" signifies a generation-old "habit of quality."





TEWKESBURY ABBEY

The name of "Tewkesbury" and the beginnings of Tewkesbury Abbey are credited to an 8th Century hermit by the name of Theoc. In the subsequent history of the town are written the names of both Danish and Norman invaders and of virtually every royal and noble family of England.

The tower of the Abbey—first to meet the visitor's eye—is considered one of the most perfect Norman towers still in existence. Within the Abbey are medieval monuments such as are possessed by no other English church except Westminster Abbey. Few changes have been made since the 15th Century.



THE TEWKESBURY PATTERN ROYAL DOULTON BONE CHINA

The Tewkesbury Pattern is based on the vigorous style of 12th Century Gothic ornament. The background of its classic blue border is in semi-relief—requiring a specially prepared relief enamel and great skill in application. A pure white center is surrounded by an inner ground of rich cream. The tone and quality of the colors are subdued and restful—as befits formal tableware.

The Symbol of Royal Doulton appears on a wide range of tableware, figurines and animal subjects—in English Bone China and in Fine Earthenware. Write for the name of your nearest dealer. Enclose 10c if you want fully illustrated Booklet No. 25, including correct table services.



THE ARMS OF TEWKESBURY ABBEY

DOULTON AND Co., INC.
SUCCESSOR TO
WM S. PITCAIRN CORP.
212 FIFTH AVE., NEW YORK 10

KITCHENS continued

Here is additional information on the kitchen equipment and household appliances on pages 42 through 45.

The Skinner Kitchen, pages 42 and 43.

Metal Cabinets and Sink, Coppes, Inc., Nappanee, Indiana.

Home Freezer and Range, Frigidaire Division of General Motors Corporation, Dayton, Ohio.

Disposal Unit, Hotpoint, Inc., Chicago, Illinois.

Washer and Dryer, Bendix Home Appliances, Inc., South Bend, Indiana.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

Coffemaker, Revere Copper and Brass Incorporated, Rome, New York.

China, Josiah Wedgwood & Sons, Inc., New York, New York. Plates (large color photograph), museum pieces; others, plain white, \$13.50, dozen.

Food through the courtesy of the Frigidaire Division of General Motors Corporation, Dayton, Ohio.

The McDonald Kitchen, page 44.

Metal Cabinets and Sink, Coppes, Inc., Nappanee, Indiana.

Dishwashing Machine and Disposal Unit, General Electric Company, Bridgeport, Connecticut.

Range, Frigidaire Division of General Motors Corporation, Dayton, Ohio.

Blower, Universal Insulating Co., Van Wert, Ohio.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

Cookie Sheet, Aluminum Goods Mfg. Co., Wanitowoc, Wisconsin, 85c.

Bread Tin, Aluminum Goods Mfg. Co., Wanitowoc, Wisconsin, 60c.

Pyrex Bake Dish, Corning Glass Works, Corning, New York, 50c.

The Muzzy Kitchen, pages 44 and 45.

Metal Cabinets, Art Metal Construction Co., Jamestown, New York.

Disposal Unit, General Electric Company, Bridgeport, Connecticut.

Pureaire Kitchen Unit, The Parsons Company, Detroit, Michigan.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

Pots and Pans, Revere Copper and Brass Incorporated, Rome, New York, from \$4.75 to \$9.25.

The Jeffery Kitchen, pages 44 and 45.

Metal Cabinets and Sink, Coppes, Inc., Nappanee, Indiana.

Range and Dishwashing Machine, General Electric Company, Bridgeport, Connecticut.

Ventilating System, Universal Insulating Co., Van Wert, Ohio.

Chairs, Howell Co., St. Charles, Illinois, \$9.50 each.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

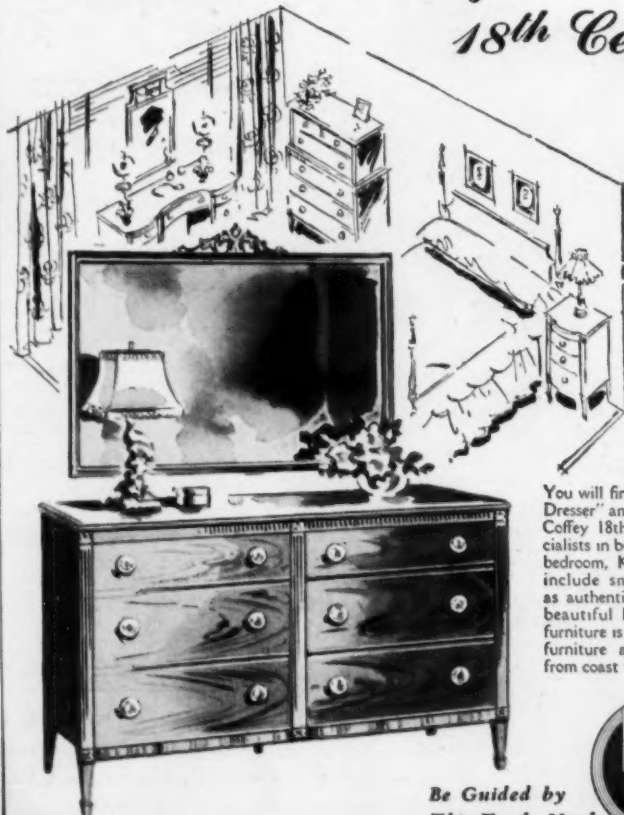
Pressure Cooker, National Pressure Cooker Co., Eau Claire, Wisconsin, \$12.95.

(Continued on page 111)

BEAUTY FOR YOUR BEDROOM

Kent-Coffey

18th Century



You will find the popular "Double Dresser" among the pieces of Kent-Coffey 18th Century design. Specialists in building furniture for the bedroom, Kent-Coffey's Selections include smart Modern as well as authentic 18th Century. This beautiful Kent-Coffey bedroom furniture is shown at many leading furniture and department stores from coast to coast.

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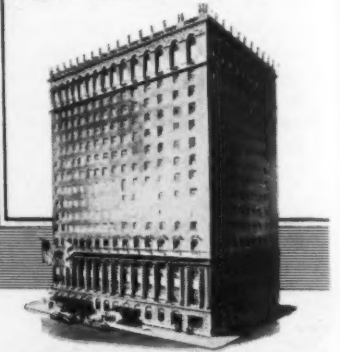
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KITCHENS continued



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Costs less to operate than a radio. Extensively used throughout the nation. Send for descriptive literature.

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Della Ware dishes, Spangl Co., Trenton, New Jersey, \$5.60 per place setting.

Toaster, McGraw Electric Co., Elgin, Illinois, \$20.

Sandwich Grill, General Electric Company, Bridgeport, Connecticut, \$15.

Waffle Baker, Manning Bowman Co., Meriden, Connecticut, \$16.95.

The Hogan Kitchen, page 44.

Metal Cabinets, St. Charles Mfg. Co., St. Charles, Illinois.

Range and Refrigerator, Frigidaire Division of General Motors Corporation, Dayton, Ohio.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

Blendor, Waring Products Corp., New York, New York, \$39.50.

Sandwich Toaster, General Electric Company, Bridgeport, Connecticut, \$15.

Pressure Saucepan, National Pressure Cooker Co., Eau Claire, Wisconsin, \$12.95.

Waffle Iron, Manning Bowman Co.,

Meriden, Connecticut, \$16.95.

Freezer Paper, Kalamazoo Vegetable Parchment Co., Kalamazoo, Michigan, 50c.

Toaster, General Electric Company, Bridgeport, Connecticut, \$20.

Cookie Sheet, Aluminum Mfg. Co., Wanitowoc, Wisconsin, 85c.

The Bedford Kitchen, page 45.

Wooden Cabinets and Sink, Coppes, Inc., Nappanee, Indiana.

Dishwashing Machine, Hotpoint, Inc., Chicago, Illinois.

Refrigerator, Frigidaire Division of General Motors Corporation, Dayton, Ohio.

Range, General Electric Company, Bridgeport, Connecticut.

Household Appliances from The J. L. Hudson Company, Detroit, Michigan.

All prices are approximate retail.

Saucepan and Skillet, Revere Copper and Brass Inc., Rome, New York, saucepan, \$5.25, skillet, \$5.75.

Tea Kettle, Stainless Ware of America, Walled Lake, Michigan, \$7.98.

"Juice-O-Mat," Rival Manufacturing Co., Kansas City, Missouri, \$5.98.

BED AND BATH

continued from page 109

from Hammacher Schlemmer, Mary Chess, Gourielli, John Frederics), about \$2, Viking Glass; 9. apothecary jar, \$40, Gourielli, Inc.; 11. cologne

bottles, crystal stoppers, \$4.50 each, Caswell-Massey Co., Ltd.; brown Tortoise wallpaper, \$2 a 20" x 40" sheet, Laverne Originals.

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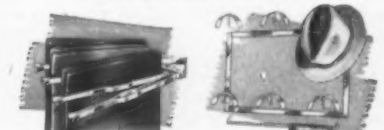


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SMALL GARDENS continued

What phase of gardening—flowers, or vegetables and fruit, or both?

The answers will determine the kind of garden you make.

The contour of the property—unless you go in for expensive grading—influences the type of garden you will make. The location of the house on its site determines how much planting will be in front and how much behind. Adjacent buildings, such as a separate garage, will also have to be considered. Trees and natural features supply focal points to terminate a vista or act as a center about which shrubbery may be grouped. An outcropping of rock suggests a rock garden and a brook a water garden.

As for the last question—our particular interests—we must remember that the whole family should find interest in it. A specialist's garden is limited in appeal. Better far is a balanced garden.

With these questions answered, you can begin a rough plan, or, better, have a landscape architect make one for you. In the end it will prove a very good investment. A small garden depends on proper proportions—and not all of us have a sense of scale—proportions both as to size in relation to the property as a whole and the plants used in it. Consider both your possibilities and your limitations. Often a landscape architect can see possibilities we might miss.

Yet even before bringing in a land-

scape architect, you should do your own planning. The garden then will be yours and not the professional's alone.

A good general principle is to plan the garden from the inside of the house out. Sit at some favorite window, stand before some much-used door, sit on the rear terrace, and imagine what you want the garden to look like. Remember, too, that gardens are made not merely to look at, but to live in. Your garden is an extension of the house.

Since most of our houses are arranged so that the greater part of living in and near them is away from the street, its traffic and noise, whatever planting you make in front will be little more than an extension of the front entry hall, and yet have some of its welcoming atmosphere. You may need to fence, hedge, or wall it in, for privacy's sake. Shrubby placed at the corners—a patch of lawn, a flower-bordered straight path to the front door or one that curves—these are elements in this front-of-the-house garden. Spring flowers here are an especial welcome gesture to passersby.

Next, consider the foundation planting immediately around the front and two sides of the house. This is where some of the most grievous mistakes are made. We plant quick-growing evergreens and shrubs. We crowd this area. Often the evergreens will shut out light and air within a few years. Keep the shrubbery low. There are plenty of low-growing shrubs and



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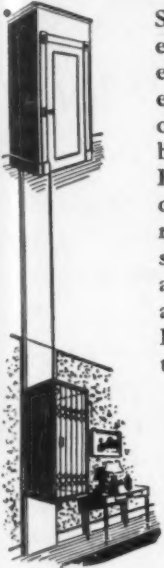
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evergreens suitable for this purpose.

Next, turn to the rear of the house. Here you will do most of your outdoor living and working. Off the kitchen logically comes a fenced-in drying yard. If there are children, locate their playground within easy sight and calling distance from any window or door.

Most houses have a rear terrace or veranda and on the axis of this is located whatever type of garden you choose to make and the property permits. A flat contour suggests dividing it into rooms—much like the rooms in the house, each with its individual character and purpose. The divisions are made by low walls or hedges or changes of grade. Thus—a panel of grass extends from the terrace to some focal tree or bench at the rear property line. This panel may be rimmed with flower beds and backed by flowering shrubs.

Often a centrally placed pool breaks the expanse of lawn; sometimes it is on one side, or at the farther end, before a paved sitting-out place. On one side of this central feature, and separated from it by low shrubbery, locate the vegetable garden, with a tool shed at the end, and its cold frames and compost pile. On the other side of the lawn, an equal space can be given over to small fruit—strawberries, raspberries and such. So in this very straight-line, flat garden we have a lawn for serenity, flower beds for color, and food gardens each side.

If the nature of the property is sloping or irregular, an informal design, less rigid in line, could be evolved to include drying yard, playground,

vegetable and fruit patches and lawn and flower beds. Here the paths would curve. The advantage of such a garden is that it reveals new glimpses of beauty, new vistas at each turn of the path.

An informal garden is capable of infinite variations, nevertheless there are certain principles that apply to them all. An informal garden doesn't mean a sloppy garden. Proportion and scale apply to it just as much as to formal layouts. It also offers just as many opportunities for a variety of horticultural interests.

That proportion concerns the plants we use. Ideally, a garden should afford color and interest at all seasons of the year. By not planting too much of any one thing, this proportion can be maintained even in the smallest garden. There will be spots for the earliest bulbs that greet the spring, for rich color in midsummer, for the tints of autumn and, here and there, a berried bush or an evergreen for winter.

By developing the various parts of a garden as we do the various rooms in a house, we can always find fresh interest as we pass from one part to the other. Increasing interest is a great incentive to work. We see jobs to be done, little things to be added here, others to be taken out or restrained.

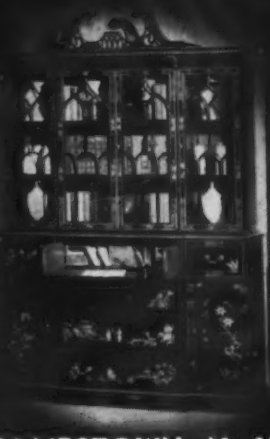
And that brings us back to the question of maintaining a small garden. As any housewife knows, it is possible to be slapdash in the corners of a large room, but a small room needs always to be kept spick and span. So in little gardens. It is far more satisfying to keep a small garden in perfection than acres in impoverished neglect.

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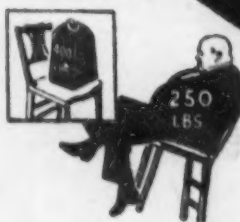
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The Razoumovsky triplets

RCA Victor has recorded Beethoven's three Razoumovsky quartets. Beautifully performed by the Paganini group, they should delight the initiate and possibly win a few converts. Quartets have never been as popular as symphonies in America—we like things big and showy—but today, our ears reverberating with the tumult of political bombast, we may, more and more of us, come to appreciate their quieter, purer virtues. The Razoumovskys are not the most astounding of Beethoven's chamber works, they are pretty tame stuff compared to the "Grand Fugue" with its audaciously open architecture; but they upset almost everybody when they were first presented, especially the players, who felt severely overtaxed. And you will find, if you really listen to them, that they keep you fully occupied. The first two will, at any rate. The third is slightly thin at the themes, but nevertheless diverting. The Paganini Quartet displays them in as nearly perfect condition as one could reasonably demand. With but one or two inaccuracies of pitch, with maximum richness of tone and minimum scraping, they manage to delineate the overall structure of each, while paying due attention to the abundant details within. What more could anyone ask? (RCA Victor Albums DM-1151-52-53; \$5.85, \$4.85, \$4.85.)

Thick and fast

Beethoven's prodigious creative energy not only kept him busy providing outlets for it in the form of musical literature, it has made it possible for successive galaxies of performing musicians to busy themselves interpreting this output. One of these, Rudolf Serkin, has, at the invitation of Columbia Records, performed the "Appassionata" Sonata. He has done it with rather more vigor than passion, stressing the formal pattern of the music, instead of its sentiment, as is more often the case. It is a convincing interpretation, unfortunately not matched by the recording in which the high notes are tinny and the loud passages fuzzy. (Columbia Album MM-711; \$4.60.) . . . Pianos seem to be having bad luck this month. Columbia had the happy idea of getting Oscar Levant to play an album of Debussy piano pieces, but they have had to package some surface noises along with a refreshing performance. It is good to hear Debussy played with guts. Rubinstein does it, too. But thanks to radio and Musak, a well-intentioned bevy of sensitive young women is establishing the tradition that he should be performed as though the keys were coated with glue. They tenderly mire the "Sunken Cathedral" in honey. Levant sets it firmly down in the clearest, shimmering water, and endows it with poetic mystery. (Columbia Album MM-710; \$5.85.) . . . Toscanini apparently likes to conduct Berlioz, and he has now put on records excerpts from that composer's Romeo and Juliet Dramatic Symphony. The result, like a period room at the Metropolitan Museum, is impressive and empty—the impressiveness due to the conductor and the emptiness due to the composer, who, as you know, specialized in vacant themes, brilliantly appointed. (RCA Victor Album DM-1160; \$3.85.) . . . Three faithful friends return: Tchaikovsky's Piano Concerto No. 1 in B Flat Minor, interpreted by Rubinstein, and the Minneapolis Symphony under Mitropoulos (RCA Victor Album DM-1159; \$4.85); Schubert's "Unfinished" Symphony, entrusted to Bruno Walter and the Philadelphia Orchestra (Columbia Album MM-699; \$4.60); Haydn's "Surprise" Symphony, presented by Koussevitsky and the Boston Symphony (RCA Victor Album DM-1155; \$3.85).

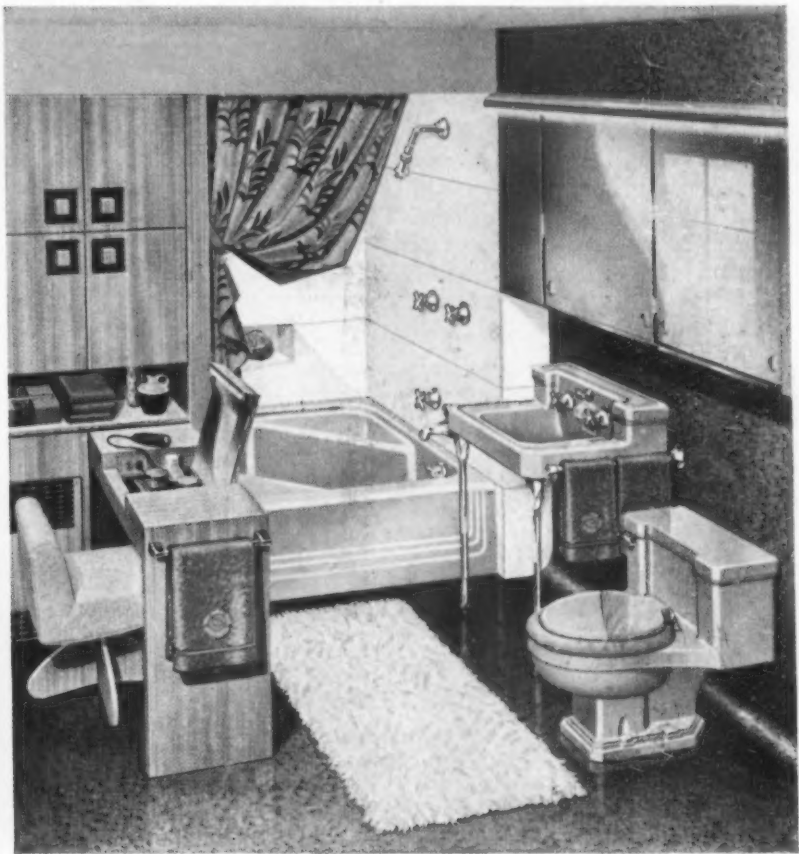
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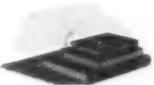

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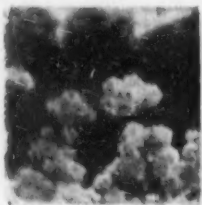
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