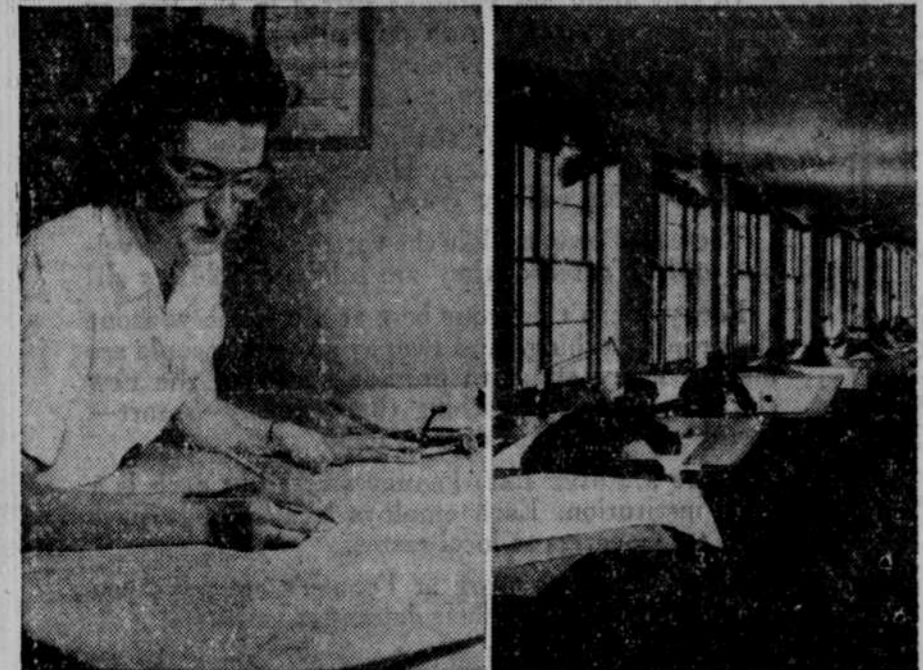


War Charts Define Seven Seas

Each month more than two million charts roll off the presses of the United States Hydrographic Office, giving detailed, vital data of the harbors and expanses of the seven seas. As these charts go out to the fleet and to friendly mariners of the United Nations, U. S. Navy ships are charting new segments of the oceans, new ports of call, new reefs and channels. Likewise, old and incomplete charts are constantly being brought up to date. The chart data obtained by hydrographic engineers aboard ship are sent to the navy's Hydrographic Office where, under the direction of Rear Admiral G. S. Bryan, USN, the Hydrographer of the Navy, they are plotted, processed, printed and distributed.

U. S. S. Bowdoin, one of the most famous exploration ships, which is still in service.



The rough sheets prepared by the men aboard survey ships are sent to Washington, where they are transformed into detailed, usable product.

Once the new chart is plotted, it is taken to the survey room where coastlines, reefs and similar details are plotted in accordance to scale.



Once the chart is on zinc, technical workmen see that the design is clear-cut and that the zinc plate receives proper chemical treatment. Before the zinc plate goes to press a proof copy is pulled.



Rear Admiral G. S. Bryan, Navy Hydrographer, in his office in Suitland, Md. The plant he directs makes a vital contribution to the war effort.

On a stack of finished charts, corrected and ready for folding, filing and mailing, sits Betty Peterson, a stenographer in the Hydrographic Office. Files in background fill two large rooms.



Here the completed chart is engraved on a permanent copper plate before being sent to the photographer and printer.

PATTERNS SEWING CIRCLE



Fun Ahead

GRAND wardrobe for youngsters who get into everything. The smock for looks... the overall and playsuit for fun.

Barbara Bell Pattern No. 1628-B designed for sizes 1, 2, 3, 4 and 5 years. Size 2 overall requires 1 1/2 yards 35-inch material, smock 1 1/2 yards, playsuit 3/4 yard.

HOUSEHOLD HINTS

To make sterilized bandages at home, tear a clean old sheet into strips, roll them and then place in an airtight jar. Suspend the jar in water and allow the water to become boiling hot for several minutes.

Use a potato ricer to squeeze out that hot compress. With it you can use water much hotter than your bare hands can stand.

To save time and hosiery, just rub paraffin on the inside of the toes of your stockings. You will have no darning to do for a long time and one application lasts through many launderings.

Here is a way to prevent loose casters from dropping from the furniture when it is moved about. Put melted paraffin in the hole and insert the caster before it is set.

In grafting fruit trees in the spring, keep the grafting wax from sticking to your hands by keeping a piece of pork rind handy and rubbing your hands on it occasionally.

An old orange wood stick from your manicure kit will be found helpful to get at the dirt in the corners when washing windows or floors.

Strong soap suds and hot water will remove stains from pewter which has become discolored and dark.

'Once Bitten, Twice Shy'—So Goes the Old Adage

Getting ready to perform his final and greatest feat, the local amateur magician stepped out to the edge of the platform and said:

"For the purpose of my next trick, which I assure you will be a good one, will some gentleman in the audience kindly lend me his hat? Will you, sir?" he added persuasively to a man in the front row.

But the man in question clutched his hat firmly with both hands and shook his head.

"I will not," he retorted indignantly, "not until you return the lawnmower you borrowed last summer."



Junior Two-Piece

A REALLY luscious little two-piece for the junior miss. Hug-me-tight jacket with nicely fulled skirt. Cute collar and cuffs.

Barbara Bell Pattern No. 1806-B designed for sizes 9, 10, 11, 12, 13, 14 and 15. Corresponding bust measurements 27, 28, 29, 30, 31, 32 and 33. Size 10 (28) requires, with short sleeves, 3 yards 33-inch material; 3/4 yard contrast.

Due to an unusually large demand and current war conditions, slightly more time is required in filling orders for a few of the most popular pattern numbers.

Send your order to:

SEWING CIRCLE PATTERN DEPT.
530 South Wells St. Chicago.
Enclose 20 cents in coins for each pattern desired.
Pattern No. Size.....
Name

Stages of Salmon

During the course of its life, the Atlantic salmon passes through eight stages, each of which has its own name: Sac fry, advanced fry, fingerling, parr, smolt, grilse, adult salmon and kelt, the last during the time after spawning.

That Old Settee of the Gay Nineties Can Be Brought Right Up-to-Date



MANY a bride today is doing her furniture shopping in second hand stores where she finds a choice selection of the over-elaborate discards. These are not antiques and it takes a discerning eye to see any possibilities of beauty in them.

Chintz covers will hide padding over woodwork and carving. Legs may be cut off to give a low seat and if the back legs are cut a little shorter than the front, the backs of chairs and settees are given a comfortable tilt. Here, a loosely stuffed seat cushion fills in the

ASK ME ANOTHER? A General Quiz

The Questions

1. The right of the state to take property for public use is called what?
2. What is another name for the gladiolus?
3. Whose motto was: "Better to live a day as a lion than 100 years as a sheep?"
4. What was the first of President Wilson's 14 points?
5. For what country did John Paul Jones serve as a rear admiral after the Revolutionary war?
6. Where is bilge water found?
7. What name is given to a company whose main business is the owning of stocks or securities of other companies?
8. Does England receive any taxes or other kind of tribute from her dominions?

The Answers

1. Eminent domain.
2. Sword lily.
3. Mussolini.
4. Open covenants openly arrived at.
5. Russia.
6. At the bottom of boats.
7. Holding company.
8. England does not receive any taxes or any kind of tribute from the 150-odd dominions, colonies, protectorates, dependencies and mandated territories that constitute the British Commonwealth of Nations.

Smile Awhile

No Relief There
Mandy—Don't you all know it's wrong ter believe in ghosts?
Marcellus—Ah don't believe in 'em. Ah wouldn't trust a ghost as fer as Ah could see him.

New Steno (following rapid dictation): "Now, Mr. Jones, what did you say between 'Dear Sir' and 'Sincerely yours'?"

Unselfish
Mrs. Tiltsnoot—Why are you leaving us like this, Nora?
Nora—Indade, an' me reasons are philanthropic, mum. Oi want to give some wane else a chance at th' joys o' livin' wid yez!

These days you've got to dig your garden. You can't just turn it over in your mind.

Little Left
An English lawyer was entertaining a member of the New York bar, now in the United States army. The Englishman showed his guest a picture of Gandhi in an illustrated paper and said: "You'd hardly believe it, but Gandhi used to be a lawyer."
"Is that so?" said the American.
"He looks to me more as if he had been a lawyer's client."

THINGS for YOU TO MAKE



NOW, aren't you glad you saved those tiny scraps of muslin, prints and plain colors? Just see what an exciting array of gay panholders can be fashioned from these bits of material. Whether you prefer the vegetables, fruit motifs, flower faces, sunbonnet ba-

bies or pieced designs, your scrap bag can surely supply the "makings"—and those odds and ends of floss will do the rest.

You may indulge your preference in stitch, too, for embroidery, applique and piecing are all employed here. Hot from transfer 29542, 15 cents, brings motifs for this entire group of panholders. Send your order to:

AUNT MARTHA Kansas City, Mo.
Box 166-W
Enclose 15 cents for each pattern desired. Pattern No.....
Name

Nicknames of Jeeps

Jeeps have been given characteristic nicknames by several of our allies. The Russians call them "kozils" or goats, the Mexicans "cucarachas" or cockroaches, and the Chinese symbol means "little tough guys."

YOU CAN'T BUY ASPIRIN

that can do more for you than St. Joseph Aspirin. Why pay more? World's largest seller at 10c. Demand St. Joseph Aspirin.

SNAPPY FACTS ABOUT RUBBER

Improper brake adjustment is a rubber-waster. Have your brakes checked regularly. If one wheel "takes hold" before the others, its rubber carries the full brunt of stopping the car, with resultant excessive rubber wear.

In their search for rubber substitutes, scientists are now probing myrcene, a turpentine derivative discovered about fifty years ago. The list of rubber "sources" is growing almost daily.

It is expected that the 1943 harvest of crude rubber in the United States will total 600 tons, all guayule. Normally this country consumed about 600,000 tons of rubber a year.



MEAT SAVER

TRY A DELICIOUS KELLOGG'S "CORN FLAKES-BURGER!"

In addition to serving Kellogg's Corn Flakes as "meatless meals," use them to extend your meat. In meat loaves, hamburgers, croquettes, stuffings, casserole dishes, patties, cereals blend well with meat flavors.

SAVE TIME—WORK—FUEL—OTHER FOODS, TOO!

The "SELF-STARTER" Breakfast

Kellogg's CORN FLAKES

Kellogg's Corn Flakes are restored to WHOLE GRAIN NUTRITIVE VALUES of Thiamin (Vitamin B1), Nicotin and Iron.

THESE HOME-MADE ROLLS ARE A TREAT. JEAN, MARY HAS ALWAYS SAID THEY'RE HARD TO MAKE

I HAVE A MARVELOUS NEW QUICK RECIPE THAT MAKES THESE ROLLS SIMPLE. BESIDES, THEY HAVE EXTRA VITAMINS

WHAT'S THE SECRET, JEAN? I'VE NEVER HEARD OF EXTRA VITAMINS IN ROLLS

JUST BAKE WITH FLEISCHMANN'S YELLOW LABEL YEAST! IT'S THE ONLY YEAST THAT HAS BOTH VITAMINS A AND D AS WELL AS THE VITAMIN B COMPLEX

AND REMEMBER, MARY... ALL THESE VITAMINS IN FLEISCHMANN'S YEAST GO RIGHT INTO WHAT-EVER YOU BAKE WITH NO GREAT LOSS IN THE OVEN!

YOU'LL WANT THE NEW, REVISED FLEISCHMANN'S RECIPE BOOK, MARY. IT'S CHOCK-FULL OF RECIPES, INCLUDING SOME NEW WARTIME SPECIALS. LET'S SEND FOR YOUR FREE COPY RIGHT AFTER SUPPER!

FREE! "The Bread Basket"—40-page, full-color book with over 60 recipes. Write Standard Brands, Inc., Grand Central Annex, Box 477, New York, N. Y.