

Synthetic Rubber Superior To Natural in Many Ways

By Marian Glick

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Portland, Ore.—(U.P.)—Synthetic rubber, that intangible substance which the public generally believes is still in the experimental stage, actually every day is saving the lives of thousands of their sons, and adding to the comfort of thousands more.

There is, for instance, synthetic rubber footwear used by the armed forces. There's an antiseptic boot, made of a special compound which resists poison gas; there are rubbers with non-skid, sque-gee soles, which not only enable sailors to walk a deck sloped at a 45-degree angle, but help dry the deck, reducing the hazard of slipping. Jungle boots, with specially treated canvas tops which do not mildew, have synthetic rubber soles; they're comfortable, lighter weight, equally serviceable. There are great fleece-lined flying boots, synthetically treated, with zipper fasteners which release instantly if the flyer is downed in water. And all kinds of synthetic rubber-soled work shoes for the home-front fighters.

Fabrics treated with vinylite (synthetic resin) are invaluable in keeping rain and sand out of airplane motors and other mechanical equipment. Vinylite-treated army raincoats are 100 per cent water proof. The substance goes into the making of asbestos fire-fighting suits. These suits are more than 90 per cent asbestos, insuring the wearer greater safety, for instance, in entering blazing planes, and consequently affecting a greater number of rescues. The suits may be worn numerous times with complete safety.

Synthetically treated wading suits with flotation chambers add to the safety of men unloading supplies from ships. Other specially constructed suits with flotation chambers are provided for men in Arctic waters; they have saved from death many men who probably would have died after an hours' exposure in freezing waters.

And few persons realize the life preservers responsible for saving so many hundreds of lives are made of synthetic rubber.

One of the most miraculous innovations is the bullet-sealing rubber gasoline tank. There is a flame resistant nose used in airplanes, made of synthetic substance which prevents vibration, increasing safety even more. There is a packing agent called cellular rubber, made of millions of nitrogen-filled cells, which is a deterrent to fire. (It figures as highly important in post-war refrigerator developments, and will be used extensively in air conditioning old houses. Because of its flexibility, it can be installed where metal pipe cannot without great expense.)

The barrage balloons which guard our war plants are made of the wondrous synthetic substance. Waterproof first-aid kits with amazingly simple catches which need only to be ripped open and pinched shut have given aid to countless soldiers or sailors or marines.

Made of synthetic rubber are tanks, great and small, for storing precious water and gasoline and oil; monstrous, sturdy tires for mechanized equipment, reconnaissance boats for army engineers; pontoons to move tanks and infantry across rivers. And those wonderful, almost story-book-like rafts you've heard so much about, which have saved countless lives. Seventeen-foot rafts built to hold, feed, doctor and ultimately save, at least seven men apiece; rafts complete with sails and oars and separate synthetic rubber bulkheads. And rubber plugs to fill in bullet holes; permanent repairing materials for when there is more time. Single-man rafts, too, for the fliers.

On the home front, synthetic rubber is largely responsible for the decreased number of explosions in our munitions factories. The human body, a natural and unconscious conductor of static electricity, was the cause of many explosions. Science and conductive synthetic rubber have eliminated this danger by the simple process of grounding the electricity in the footwear with a circle of rubber going through the heel and touching the foot. This safety-insuring, Axis-smashing rubber also is used exclusively for containers and caps of munitions.

The synthetic rubber used as gear housing saves immense amounts of essential metals.

One coat of specially compounded cement applied to rubber hatch gaskets on liberty ships holds the gasket firmly to the hatch, saves much time and

steel, and has three to four times the service life of former methods. It's to be used in the future as a sealing compound in the building of highways.

There is a popular misconception that synthetic rubber is a substitute for natural rubber, but it is far more than that. With synthetics, chemists can push the components of rubber around to fit almost any given need. Natural rubber is generally superior to synthetic rubber in such physical properties as elasticity, bounce and resilience, scientists readily admit. But the synthetics, whose postwar future points to whole new industries, are generally superior to natural rubber in resistance to deterioration from exposure to heat and cold, to water, air, light, oil and friction.

HEREFORD SALE SLATED FOR K. F. FOR FIRST TIME

The annual Cal-Ore Hereford association sale and show will be held in Klamath Falls for the first time Oct. 31 and Nov. 1, with the sale slated for the final day.

Consignors will include many of the outstanding Hereford breeders of Oregon, Washington and California, and according to present plans there will be about 135 bulls and 30 heifers sold at the auction.

Fred Bayliss of the Mountcrest ranch, Hilt, Calif., is president of the association. Auctioneer will be Fred Chandler and judge, Raymond Husted, one of the best in the country. Cliff Jenkins of Klamath Falls will be sales manager. Robert Fowler, Jackson county agent, is secretary of the association.

Headquarters for the cattlemen and their families will be the Willard hotel, although reservations will probably be obtainable at other Klamath hotels, it was stated.

The sales committee includes Bill Bond of the Flounce Rock ranch, John Day of the Blue Moon ranch, Lawrence Horton of the Horton Hereford ranch and Bill Seruys of Klamath county. Further information may be obtained from any of the auction.

ENSIGN TUCKER IS ROTARY SPEAKER

Thrilling experiences in the Mediterranean war zone were related by Ensign George Tucker before the Medford Rotary club Tuesday noon at Hotel Medford. Tucker, formerly connected with the California Oregon Power company and now in the merchant marine service, visited the Pacific and Mediterranean battle areas while a member of the crew of a freighter. In the latter zone his ship was subjected to heavy enemy fire during the Sicilian campaign.

One of the highlights of Ensign Tucker's experiences, since joining the merchant marine in November, 1942, was participation in the African campaign of the famed British 8th army. His ship was attached to the British forces, carrying munitions, gasoline and supplies to the various African ports as soon as they were conquered by Montgomery's army.

While carrying supplies to the invading American army at Sicily, Tucker's ship was pierced by more than a hundred enemy missiles. It was credited as the first ship to fully discharge its cargo in this campaign.

Mark A. Goldy, program chairman, introduced the speaker.

BOUNTY ON MAGPIES

Boise, Ida., Oct. 13.—(U.P.)—A three-cent bounty on magpie heads was approved late yesterday by the Idaho Fish and Game commission. The program of eradication will begin shortly after first of the year.

Service Women's Christian Group Meeting Thursday

Service Women's Christian organization will meet for a

covered dish luncheon in the Presbyterian church social room Thursday at 1 p. m. This union is sponsored by the Presbyterian church under the auspices of the War Time Service Commission, the leader in this area being

Mrs. Edith E. Baker. Luncheon will be followed by social hour and Bible study.

The class is non-denominational, and led by Mrs. P. Johnson, wife of Chaplain Johnson of Camp White. The group meets

each Thursday at the church, and a cordial invitation is extended to all connected with the service to attend.

Last week the group enjoyed a barbecue picnic at the B. R. Elliott ranch. Members of the

organization from Ashland will be honor guests at the meeting this Thursday.

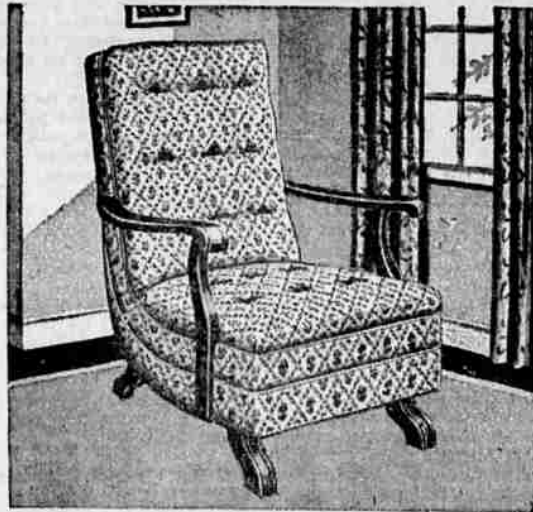
RELIEF COIN ASKED

Mexico City, Oct. 12.—(U.P.)—President Manuel Avila Camacho asked for an appropriation

of \$10,000 today for relief work in Mazatlan, where 48 persons were killed in a hurricane which the Mexican meteorological service said had disappeared into the Pacific.

October Values for thrifty home makers

COME TO WARDS FOR HOME FURNISHING VALUES... SAVE ON EVERY PURCHASE!



COMFORT...VALUE PRICED! PLATFORM ROCKER, ONLY 29.95

A quick look at this rocker will convince you it's a better-than-average "buy"! Built to Wards specifications for long life and extra comfort. A rest-inviting chair with moss and cotton filling... button-tufted seat and back. Attractively covered in better quality tapestry. See it at Wards... tomorrow!

Only 20% Down! Monthly Payment Plan



BEAUTIFULLY STYLED CHANNEL BACK CHAIR 14.45

Pay far less at Wards for this well-styled chair! Built of hardwood and solid mahogany for lasting beauty! It's available in cotton damask or tapestry... in the popular new "decorator" shades you like best. Quality construction throughout gives you extra long service. See this chair at Wards tomorrow!

Only 20% Down! Monthly Payment Plan



DECORATIVE STYLE OCCASIONAL CHAIR... 15.45

Pay less for this better quality chair at Wards! Covered in selected cotton tapestry, in popular new living room shades! Convenient pull-up type, good looking Chippendale style. Glowing mahogany finish! Sound hardwood construction throughout. Come to Wards tomorrow for this big chair value!

Only 20% Down! Monthly Payment Plan

USE YOUR CREDIT

Any purchase totaling \$10 or more will open a monthly payment account.

SEE OUR CATALOG

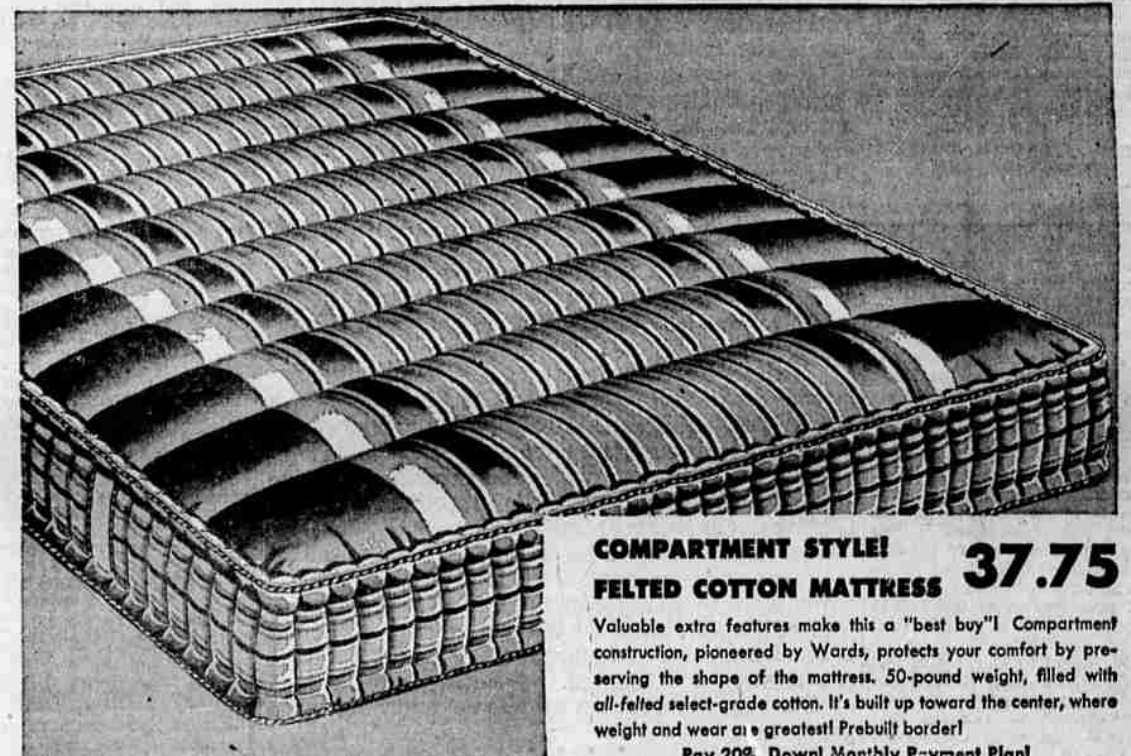
... for thousands of items we don't have room to carry in our store stocks.



A FAMOUS WARD VALUE! FELTED COTTON MATTRESS 24.68

- Filling is new, rest-inviting, oil-felted cotton! 55 lbs.!
- Pre-built border keeps sidewalls firm... assures long service!
- Ticking is firm-grade WOVEN-STRIPE or rayon-and-cotton DAMASK!
- Four cloth handles for easy turning... adds to mattress life!
- NOW is the time to get YOURS at Wards. Come in! Box Spring 24.68.

Pay 20% Down! Monthly Payment Plan



COMPARTMENT STYLE! FELTED COTTON MATTRESS 37.75

Valuable extra features make this a "best buy"! Compartment construction, pioneered by Wards, protects your comfort by preserving the shape of the mattress. 50-pound weight, filled with all-felted select-grade cotton. It's built up toward the center, where weight and wear are greatest! Prebuilt border!

Pay 20% Down! Monthly Payment Plan



FELTED COTTON MATTRESS OR BOX SPRING... EACH 18.48

Pay less than you'd planned! See this well-constructed mattress and matching box spring at Wards! Mattress is filled with fluffy all-felted cotton, 50-pound weight. Covered in a durable sateen woven-stripe ticking! Button tufting conserves the shape. 4 convenient handles for easy turning. Full or twin size. Box spring 23.48.

Pay 20% Down! Monthly Payment Plan

WANTED
EXPERIENCED SHOE
SALESWOMAN
Box 180 TRIBUNE

Montgomery Ward