

Pilots Bailing Out At Supersonic Speeds Subject To 'Beating'

Wednesday, December 14, 1955 MEDFORD (OREGON) MAIL TRIBUNE—E1478

Edwards AFB, Calif. — (UPI)—Tests with "humanlike" dummies have shown that pilots bailing out of planes streaking at supersonic speeds are subjected to dangerously violent yawing motions. The test results were discovered yesterday by two aircraft companies which have completed experiments at this desert flight test center to determine a pilot's ability to withstand the sudden shock of bailing out at speeds up to 750 miles per hour.

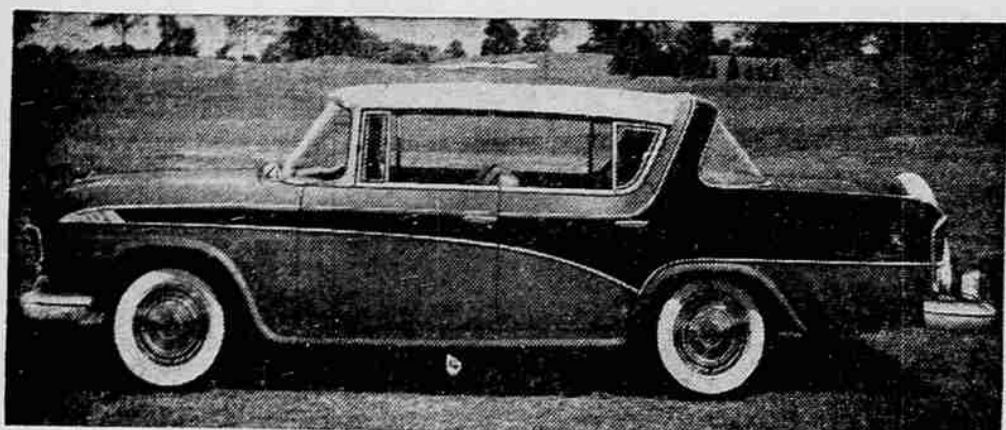
The tests showed a pilot performed a series of violent rocking motions rather than complete tumbling revolutions after hitting the airstream following ejection. These direction changes can cause "heavy blood" hemorrhages as well as bone-snap-

ping flailing of the pilot's arms and legs. Convair division of General Dynamics and North American aviation conducted the tests which were based on data ob-

tained from test pilot George F. Smith, the first man to live through an ejection escape from an airplane going faster than sound. Smith was hospitalized for more than six months from his accidental ejection from a Super Sabre jet fighter last February.

The dummies, fabricated to resemble a human being in appearance and size, are made of sponge rubber, a steel skeleton and a cast aluminum skull. The dummy is ejected from the cockpit of a modified nose section of a supersonic F102A all-weather interceptor which streaks along 10,000 feet of railroad track behind the powerful thrust of eight rocket motors.

High Speed Cameras
Convair used high speed cameras to record what happened when its dummy was subjected to the ordeal. North American reported that a supersonically ejected pilot is subjected to violent yawing motions which cause him to rotate a full 180 degrees and back within the first two seconds after his ejection.



ON DISPLAY—The new 1956 American Motors Rambler is on display at Surroz Nash, Fifth and Bartlett sts., and Stevens Auto Sales, Inc., 505 North Central ave. The new Rambler features a 120 horsepower overhead valve engine, suspension system

coil springs on all wheels, torque tube drive, power brakes and power steering. Lines include a sedan, the hardtop convertible shown above, station wagon, and a hardtop convertible station wagon without centerposts.

About Outer Mongolia

By UNITED PRESS
Background on Outer Mongolia—One of least known countries in the world... Suddenly emerged as center of a world controversy in United Nations... Official name is Mongolian Peoples Republic... Nearly three times size of Texas. Nomadic population estimated between 800,000 and 2,000,000... Most live in mountains north bordering Siberia... Tall, warlike people... Wrote their page in history eight centuries ago when Kenghis Khan conquered China, spread his empire into Europe. Claimed by China in 17th century... Russians began moving in in early 20th century... In 1907 Japan recognized Rus-

sia's "special position" there... Chinese also moved soldiers into area... Mongolia declared itself independent in 1911... But merely a paper declaration... Russian troops swarmed into Mongolia in 1921 seeking White Russian refugees and never left... 1924 Russian admitted Mongolia part of China... China recognized Mongolia as sovereign state in 1946 as result of Yalta agreements prepared to sponsor Mongolia's bid for UN membership... Nationalist China reversed stand after Mongols attacked West China province of Sinkiang... Russia controlled area 34 years but Chinese Communists now believed have "equal power" there.

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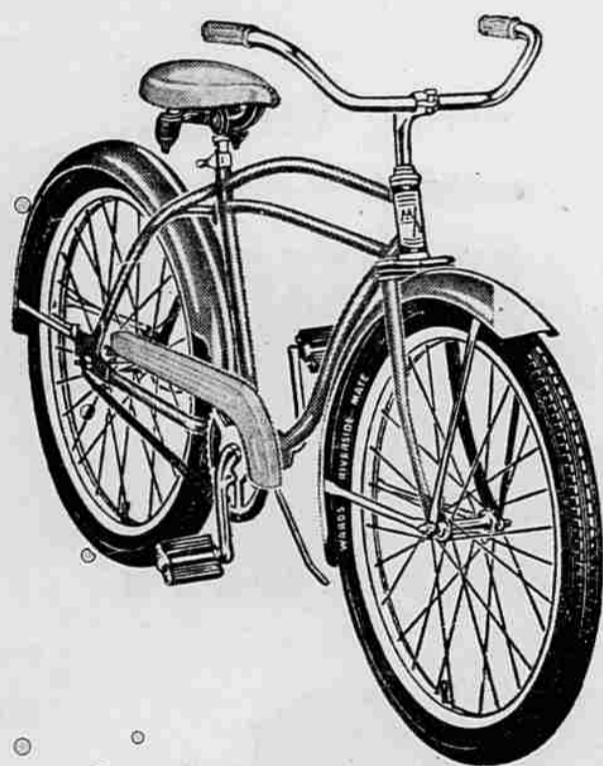
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Santa's at Wards Tonight - Free Photo Free Candy Canes

Hundreds of wonderful gifts to please everyone on your list



WARDS HAWTHORNE

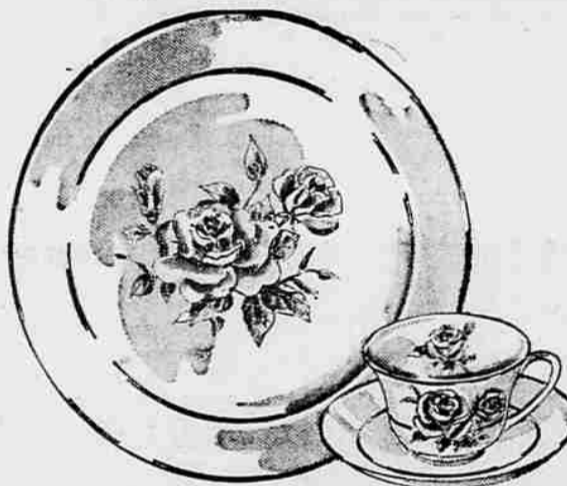
Boys' or Girls' **44.95** 10% Down, on Terms

Save on this handsome 24-inch American-made Bike. Banderized against rust. New Departure coaster brakes insure fast, safe stops. Sparkling metallic finish and gleaming chrome. Ivory saddle and grips.



REFLEX CAMERA OUTFIT
15.95 Complete

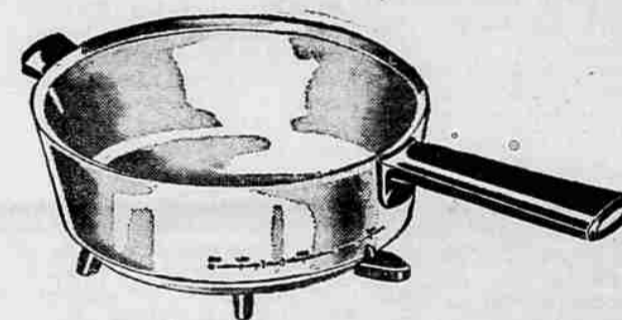
Ideal gift for the camera fan! Large reflex-type view-finder permits easy viewing. Outfit also includes flash unit, batteries, 4 flashbulbs, 1 roll 620 Anso film—plus, leatherette case with strap.



GENUINE IMPORTED CHINA

66-pc. Set **41.50** 100-pc. Set **62.50**

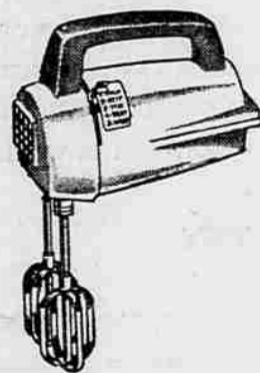
A gift she will cherish! Glowing, translucent china in Wards lovely "Sharon" pattern—with guaranteed open stock. 4 extra cups incl. with 66-pc. set; 6 extra cups with 100-pc. set. Come—see other patterns, too.



PRESTO AUTOMATIC SKILLET

Special **14.97** Originally 24.95

Special purchase—you save 9.98 at Wards low special price! Electric skillet lets you cook and serve right at your table. Automatic heat control. Recipes included. Don't delay—quantities limited, buy now!



HAND MIXER IN GIFT BOX

16.95

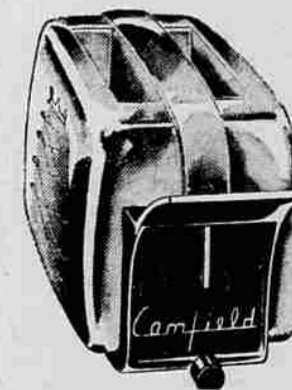
5 speeds, full size beaters—does all mixing. Just 3 lbs. for easy one-hand use. Fits in drawer for storing. Fine gift.



HANDPAINTED JUMBO CUP AND SAUCER

95¢

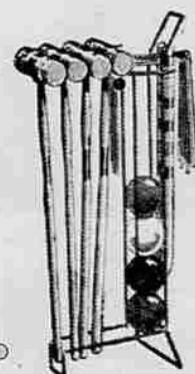
Give a "cup of cheer". Top-quality semi-porcelain with "Mother" or "Father" designs in gay colors. 12-oz. capacity.



CAMFIELD TOASTER
FORMERLY 21.50

15.97

Special purchase—you save 5.53 now at Wards! Browns toast to color you select. Chrome-plated. Cord included.



CROQUET SET WITH 4 BALLS

6.45

4 green and white striped 6-in. mallets with screw-in handles. Solid color enameled plastic balls. Enam. steel rack.



POINTMAKER BASKETBALL

3.79

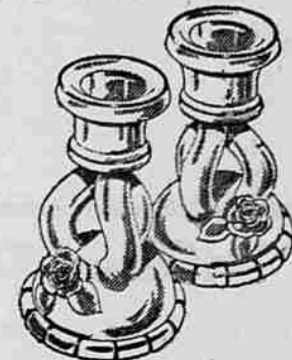
Ideal for youngsters to play on any surface. Durable all-rubber ball with pebble grain cover. Official size, weight.



3-IN-1 INDIVIDUAL COFFEE SERVER

\$1

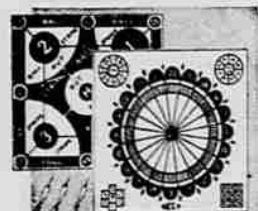
An unusual gift of imported pottery. Sugar bowl and creamer stack on 2-cup pot. Attractive handpainted design.



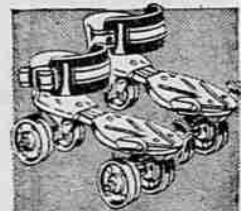
IMPORTED CHINA CANDLE HOLDERS

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Fine quality, smooth-glaze china in delicate pink, accented with platinum and white. 22K gold trim. 4" high.



DART BOARD—20 point game, baseball game. 3 darts. **2.19**



ROLLER SKATES—Rubber ankle pad. Ball bearing wheels. **3.39**



CHOCOLATE CHERRIES—With delicious syrup center. 13 oz. box. **69¢**



ASH TRAYS in stand—set of 4 in holder. Hand-painted pottery. **...\$1**



FIGURE PLANTER—Copy of famous German Hummel figure. **...1.95**



CHINA RELISH DISH—Thin, translucent quality 22K gold trim. Each. **\$1**



MINIATURE CLOCK—Like grandfather's. Compartment at bottom. **5.45**



CHINA ASH TRAYS—set of 4. Leaf shape—floral design. Set. **...\$1**

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