

SINKING OF SHIPS IS AID FOR FUTURE

Scrapped Ships of Great Use in Preparing Data on Vulnerable Points

WASHINGTON, Dec. 20.—(AP)—With a six or seven year period ahead before the United States may lay down its first replacement battleship under the Washington naval treaty, navy experts will have ample time to make the most use of data obtained from experiments on the hull of what was to have been the imperious-sought Washington and other scrapped vessels in preparing designs for new ships.

The Washington experiments, details of which are regarded as among the most confidential matters in the custody of the navy department, afforded an opportunity to obtain information of an unusual character. The four ships of this class, three of which were completed and are now with the fleet, represent the most powerful defensive and offensive development in the battleship building this world will know until the two new British superdreadnaughts are launched and commissioned.

Designs for this class of ships were prepared in the navy department while the European war was in progress, but before the United States entered the conflict. The submarine menace had almost threatened its climax in threatening attack before the plans were completed, and there are many things in the hull construction of the ships which grew out of the war experience of the allies as observed by American experts.

The designs of the ships were based in part upon extensive experiments on a smaller scale with Calson's hull for the purpose and subject to attack. As best, however, this furnished only partial data as to the stresses which must be provided against in actual warfare. It is now worthy that the only announcement as to the Washington experiments made by the navy department declared the

expectations of the naval constructors who designed the ships were realized, implying that the hull resisted underwater attack to a degree that no battleship previously built could have been expected to do.

The Washington design also included additional protective deck construction made necessary when the war proved that sea battles could be fought at such extreme range that projectiles would fall from high angles, making the decks of combat ships the greatest danger point. Bombs dropped from aircraft also would be directed at the decks, and despite the added weight and changes in stability that would result, it was obvious that protective decks must be adopted without sacrificing heavy armor necessary for protective shorter ranges with shells coming at flatter angles against the ships' side. The protective decks of the Washington were submitted to attacks also, both by bomb and shell fire which finally sent the uncompleted ship to the bottom off the Virginia capes.

Extensive data as to the results of every method of attack employed was compiled by the special board which conducted the tests. With this the experts have also data on shell fire against the turrets of the scrapped older battleship North Dakota, and reports from war days of the effect of heavy gun fire, torpedoes and mines on British and German battleships as the basis on which their studies will be conducted to lead up to the first replacement battleship design. Under the treaty the first replacement ships may be laid down in 1931 to be completed in 1934.

TYPHOID HELD DEATH CAUSE

(Continued from page 1)

chemists and physicians and said that "there was nothing abnormal found." He did not discuss the secondary hemorrhage or conditions which might have caused it. Mr. Shepherd's statement said that the findings were no surprise to him but that he was gratified that the report had been made public. He expressed his thanks to the authorities who have been making the investigation stating that they had only done their duty, but expressing the opinion that they had been imposed on.

Discussing the part in the investigation of Judge Harry Olson, chief justice of the Municipal court, friend of the McClatchey family and the man who alleged that the investigation be launched, Mr. Shepherd's statement said: "I know that in the minds of all thinking people, I have been vindicated, yet in my own mind there still is one big question. Why was it done? No one but Judge Olson can explain this.

The Fun Shop

MAXSON FOXHALL JUDELL

A READY LETTER WRITER: I haven't worn 'em. Heed, both genders. Don't ever send a man suspenders!

THE MOUNTAIN PEN: The Card He Sent Acknowledging your fountain pen. Let me say "Thanks" and "Thanks again!"

Christmas comes but once a year; Duns and debts are always here. The Christmas Solution: Little Buddha was very bad, and was told that Santa Claus would not come to bad boys with nice presents.

THE ONLY CALM ONE: Kyle: "Is your wife afraid when she drives the car?" Young: "No, but everybody else is."

ACKNOWLEDGING CHRISTMAS: That Pair of Suspenders: The Card He Sent "It's the useful gifts that charm."

THE CARD HE SENT: "It's the useful gifts that charm." But Heavens since I left the farm

THE CARD HE SENT: "It's the useful gifts that charm." But Heavens since I left the farm

Upon the things the Missus does for him: Who makes the dolly dresses neat and trim? Who cuts the weekly budget here and there may be a sheep with woolly hair?

THE BRIGHT SAYINGS OF A CHILD: Mrs. Brown: "Did you hear that the children's society is after Mrs. Black?" Mrs. White: "What's the trouble?"

REVISION IN POSTAL RATE BILL IS MADE: This is an increase over the present law of one cent on first, second and fourth zone matter, a reduction of one cent in sixth and seventh zones and two cents in eighth zone.

SNAPPY THINKING NO. 250: Cross Word Puzzle

ACROSS: 1 Cavalryman, 2 Sounding a signal, 3 Carbon, 4 Art of flying, 5 Tear, 6 A Biblical character, 7 Boy's nickname, 8 Foretell (Scott), 9 Insect, 10 A week day (ab), 11 Open fabric, 12 Streets (ab.), 13 Two hundred, 14 Devour, 15 Full of life, 16 Observe, 17 High tide (ab.), 18 Cloth, 19 A Hindoo gentleman, 20 Girl's name, 21 Lestrange (Obs.), 22 Musical instrument, 23 Heart, 24 Before, 25 From (Scott), 26 Child's apron, 27 Doctor of Dental Surgery (ab.), 28 Feminine termination of nouns, 29 Notable act, 30 Single spot, 31 To be (Ger.), 32 Take the part of, 33 Stanklike fish, 34 Animated exclamation, 35 Delusive reasoning, 36 Dark skinned forefinger, 37 One who plays a part, 38 Lightning, 39 Baseball player's name, 40 Exist, 41 Send of type, 42 Numeral (Swedish), 43 Fragment, 44 Peck (ab), 45 Skill, 46 Bestow gifts, 47 Frolle, 48 High priest, 49 Territory east of Dead Sea, 50 Serpent, 51 Male offspring, 52 Ardent, 53 Grook poet, 54 Beating in a card game, 55 Daughter of Agamemnon, 56 Express disagreement

DOWN: 1 One who carves, 2 Bolsterous speech, 3 Optical (ab), 4 Ejaculation, 5 Pilot, 6 An English school, 7 To steep, 8 Domesticated carnivorous mammal, 9 A river in central England, 10 Trees of orange family, 11 Tone of diatonic scale, 12 It is (ab), 13 Bites, 14 One who tends goats, 15 American blackbird, 17 Cuddles, 18 May (Fr.), 19 Golf term, 20 Pines out, 21 Top of head, 22 Writer, 23 Etcetera, 24 Exiat, 25 Two eyes, 26 Aperture, 27 Coal scuttle, 28 Regret, 29 Want, 30 Fellow of Royal Society (ab), 31 Roe (Scott), 32 Name of a southern state, 33 Local guide (Ital.), 34 Small lizard, 35 North latitude (ab.), 37 Overfill, 38 Being forth young, 39 Hero of nightshade family, 40 Watchdog, 41 Eternity, 42 Stringed instrument, 43 Said (Fr.), 44 Boatman track, 45 Victorious, 46 Southwestern dependency of China, 47 Dutch as spoken by the whites of South Africa, 48 Unfortunate, 49 A number, 50 Students of Yale College, 51 Bachelor of Civil Engineers, 52 Pertaining to, suffix, 53 Name of month (ab), 54 Before, 55 Roman Catholic (ab), 56 Knight (ab)

Statesman

The Oregon Statesman

CLASSIFIED SECTION

CLASSIFIED ADVERTISEMENTS: One week (six insertions) \$5.00, One month \$15.00, Six months contract per month \$2.50, 12 months contract per month \$4.00, Minimum for any advertisement \$2.00

MONEY TO LOAN: On Real Estate, On Cash, (Over Cash & Cash Bank)

BEFORE YOU LEAVE YOUR HOME OR CAR HAVE IT INSURED PROPERLY: Phone 151, Backs & Hendricks, U. S. Bank Bldg.

AUTO TOPS: STATIONARY TOPS: The very latest in auto tops—Reasonable Price

FOR RENT: HOUSES AND APARTMENTS: 215 State St.

FOR RENT: ROOMS AND APARTMENTS: 215 State St.

FOR RENT: APARTMENTS: 215 State St.

FOR RENT: APARTMENTS: 215 State St.

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FOR RENT: HOUSES: 215 State St.

FOR RENT: BUNGALOW: 215 State St.

WANTED: To Rent: 215 State St.

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Arrested Development advertisement featuring a portrait of a man and text describing the benefits of advertising in Salem.

Various classified advertisements including real estate listings, business notices, and local news snippets.