#### DEEP SEA DIVERS.

Death Always Hovers Round Them While They Toil.

PERILS THEY HAVE TO FACE.

The Awful Pressure of Water and Air That May Bury or Burst Them-The Helmet Telephone a Wonderful Aid In Work and In Times of Danger.

It is surprising to learn how many uses there are for divers. The mayy of course, employs many to set submarine mines and torpedoes and to attend to investigations of the condition of ships' bottoms. Bridge construction companies use them, as do those who build dams, waterworks and reservoirs. Waterworks in large cities keep a diver on their staff constantly. Wrecking companies need their services, and the profession of underriver tunneling makes many demands on the time and skill of the man in armor.

Since Smeaton in 1779 designed a pump to supply air to the diving bell little real improvement in the art has been made, save in detail of beliet and clothes, until the invention of the telephone. The greatest advance ever made in the art, divers will tell you, is the combination of the telephone with the diving suit. Before its advent divers had to depend entirely upon pulls on the life line for communication with the surface and upon signs to each other when under water if two wished to communicate. Today the modern diving helmet is equipped with a telephone, and the diver can not only hear what is said to him from the surface, advise those in charge of his pump as to whether the air is "coming right" or not, but he can communicate to a brother diver and hear the instructions sent to him from the surface, all of which facilities are of great assistance in the work.

At first thought it may not seem so difficult a thing, this going down under water and breathing air sent in from a pump by a tube. But the physical drawbacks to the work are enormous. For every ten feet a diver descends he sustains an additional pressure of four and a half pounds over every square inch of his body. What this means may be better understood when considering the greatest depth ever made by a diver-204 feet. His body at that depth sustained a pressure of eightyeight and a half pounds to the square inch over and above the fifteen pounds always sustained when in the air.

Divers must descend very slowly, swallowing as they go; otherwise they may bleed at the nose and ears and even lose consciousness. And they must ascend even more slowly than they descend, particularly when coming from great depths; otherwise they may literally burst from internal air pressure. At the least, too sudden a rise may cause an attack of that terrible disease known to tunnel workers called caisson disease, or the bends, in which air gets into the tissues under pressure and causes the most extreme

The diver, getting ready to descend, clothes himself in very heavy underwear of guernsey or flannel, the drawers well secured to prevent slipping, and adds a pair of heavy woolen socks.

If the water be cold two such suits may be worn. If the depth to be negotiated is great cotton soaked with oll is put in the ears or a heavy woolen cap pulled down over them. Shoulder pads, if worn to take the weight off the beimet, are next tied on, after which the diver wriggles into his heavy suit of rubber and canvas. Next

come the inner collar and the breastplate, which are secured with clamps to the rubber dress, the utmost care being taken in this operation not to tear or pinch the rubber. Finally the shoes are fitted on and the rubber

gloves clamped to rings in the sleeves. The helmet is the last to go on, and never before the valves and telephone have been tested. The attendants start to pump as the helmet is clamped home. The helmet is attached to the pump with a rubber tube, which is canvas and wire protected. No diver descends, after the helmet is put on, until he has tested the outfit and found that his air supply is sufficient and the pump working properly.

He is supplied with a life line, with which he can signal should his telephone get out of order and by which he may be drawn to the surface should he become helpless for any reason. He must take great care when walking about on the bottom not to foul his life line or his air tube and for this reason must always retrace his steps exactly to his starting point if he has gone into a wreck or about any obstructions. For the same reason two divers working together must be careful not to cross each other's path.

Sometimes the life line may become so entangled in wreckage that it must be cut, and then there is danger of the diver not finding his way back to his boat or float, especially if the bottom is muddy and fouls the "seeing." But the greatest danger of all, of course, is that the tube be cut or the diver faint. In either case he is in desperate straits. If the man handling the life line "feels" anything wrong be will haul the diver up willy nilly and regardless of the severe bleeding at nose and ears which will result from too rapid a rise to the surface. But if the diver be inside a wreck or if his life line gets tangled in wreckage such hauling would do no good. It is in situntions like these that the slender connecting tink of telephone wire means so much to the men who risk their lives far beneath the surface of the water -Scientific American.

Weatherwise Birds and Fish.

The seagull makes a splendid living barometer. If a covey of seagulls fly seaward early in the morning sailors and fishermen know that the day will be fine and the wind fair, but if the birds keep inland, though there be no haze hanging out toward the sea to denote unpleasant weather, interested folk know that the elements will be unfavorable. Of all weatherwise fish the dolphin is the most remarkable. During a fierce gale or a storm at sea the mariner knows that the end of it is near if he can see a dolphin or a number of that fish sporting on the high sea waves.

Faith Destroyed.

"I'll never believe in phrenology again.'

"We had a phrenologist in our house the other night and got him to feel the cook's head. He said her bump of destruction was small."-Chicago Record-

Easy. "Women," remarked the grocer, "are not hard to please."

"So?" interrogated the bachelor. "Yes," continued the grocer. "All you have to do is to let them have their own way."-Chicago News.

That which comes after ever conforms to that which has gone before .-Marcus Aurelius.

A Fine Voice. Smith-Your wife has a fine voice. Jones-Yes, one of the best in the

world; otherwise it would have been

worn out several years ago.

CLOTH FOR UNCLE SAM.

t Must Be Pretty Good Stuff to Pass the Government Tests.

The men of the United Sames army come nearer knowing to a certainty what they are buying in the way of cloth than do any other consumers in the country, says Mary Heaton Vorse in Success Magazine. When the government gives out a million dollar cloth contract it seems to it that it gets material according to specification. The specific contracts for variout sorts of cloth are elaborate and go into the technical side of the matterthe number of threads to be used to the yard, the kind of wool to be used in the manufacture-for the United States soldier has to be well dressed in clothes that will stand the strain of weather and of work. On Governors Island, New York city, there is a testing laboratory for cloth. A specification of the weight per linear yard of each kind of cloth is mentioned. Each bolt of goods is weighed, and if it falls short of the proper weight it is thrown out. Next the question of wear and tear is considered, and again the specification is stated that each special kind of cloth will stand a strain of so many pounds to the inch work way and so many pounds to the inch filling way. So, after weighing, the next text is to cut a sample and try in a machine the strength of the cloth. If it won't

stand this test the cloth is thrown out. After the cloth has been pronounced perfect for weight and strength the dve tests are made. It must stand two acid tests for perspiration, and the material must stand boiling for ten minutes in a certain soap solution, showing that it will stand washing with strong alkalis, and finally comes the weather test, the material being exposed thirty days on the roof without changing color appreciably. If the cloth has passed its examinations successfully each yard of each piece of cloth is inspected, being run over machines for the purpose, while inspectors watch for any imperfections in the weave. An eighth of a yard for each imperfection is charged to the manufacturer.

So when the cloth is finally sent to the contractor to be made into uniforms it is known to be of really good material. Each spool of thread, each button, each lining, each filling used in the clothes of soldiers has its own

Figs For Melancholia.

Dr. William Bulleyn, of the same family as the unfortunate Anne Boleyn, was a contemporary of Sydney, Raleigh, Drake, Hawkins, Grenville, Spenser and the rest of that famous galaxy that illuminated the Elizabethan era. The leading physician of his day, he took great interest in vegetable remedies, and his "Book of Simples" was an honored authority for generations. He recommends the free use of sage tea and of figs, saying: "Figges be good against melancholy eaten. Figges, nuts and herbe grasse do make a sufficient medicine against poison or the pestilence. Figges make a good gargarism to cleanse the throat."-Charles Winslow Hall in National Magazine.

What is more tragle than to forget on "the morning after" that convincing excuse you gave the night before?

Administratrix Notice.

In the County Court of the State of Oregon, in and for the County of Umatilla.

In the matter of the Estate of Charles Wilson, Deceased:

Notice is herety given that Maggie Wilson of Athena, Oregon, was on the 1st day of June, 1911, appointed administratrix of the estate of Charles Wilson, deceased, by the above entitled court, and that all persons baying claims against said estate are hereby notified to present said claims with proper vouchers thereto, to said administratrix or to ber attorney, Homer I. Watts, at his office in Ath

Maggie Wilson, Administratrix of the Estate of Charles Wilson, deceased.

NOTICE OF FINAL ACCOUNT. in the County Court of the State of Oregon, County of Umatilla. n the matter of the Estate of L. A.

Githens, deceased. Notice is hereby given that J. Dillon Plamondon, administrator of the estate of L. A. Githeus, deceased has filed his final account and report in said estate in the above entitled Court, and the said Court has appointed Saturday, July 1st, at the County Court

house at 2 p. m., as the time and place when any and all objections may be heard upon said final account and report, and that at said time the administrator will apply to said Court for a discharge of himself and bondsmen from any further obligation in said J. Dillon Plamondon, Administrator.

Summons.

the Circuit Court of the State of Oregon for Umatilla County. Ida Wittman, Plaintiff,

John E. Wittman, Defendant. To John E. Wittman, the above

named Defendant: In the name of the State of Oregon, on are hereby summoned and required to appear in the above entitled court and cause within six weeks from the date of the first publication of this summons, to-wit: on or before Friday, the 30th day of June, 1911, and answer the complaint of the plaintiff filed herein against you; and you will take notice that unless you appear within said time and answer

the sald complaint, or otherwise plead thereto, the plaintiff, for want thereof will apply to the court for the relief prayed for and demanded therein, -for a decree forever dissolving the bonds of matrimony now and heretofore existing between plaintiff and defendant and for a change of plaintiff's n me restoring to her the name of Ita Haworth; and for such equitable relief as may appear to the court prop-

This summons is published pursuant to the order of Hon. G. W. Phelps, judge of the above entitled court, duly made and entered on the 18th day of May, 1911, and the first publication hereof will be made in the Athena Press newspaper on Friday, the 19th day of May, 1911.

Peterson & Wilson, Attorneys for Plaintiff.

REPORT OF THE CONDITION -OF THE-

FIRST NATIONAL BANK OF ATHENA

No. 4516. -AT-

Athena, in the State of Oregon,

MAT THE-

Close of Business June 7th, '11 RESOURCES.

\$311 992 05 1 779 37 12 500 00 Loans and discounts Overdrafts secured and unsecured U S bonds to secure circulation Bonds, securities, etc. Banking-house furniture fixtures 10 000 00 Due from Nat, Banks, not reserve agents
Due from apr'v'd reserve agents,
Checks and other Cash Items
Notes of other National Banks 3 672 10 48 362 05 101 35 1 020 00

12 612 83 Red'm'n fund with U S Treasurer 625 00 (5 per cent of circulation)

Fractional paper currency, nickels

\$ 403 728 20 Total LIABILITIES.

Capital stock paid in \$50,000,00 Surplus fund Undivided profits, less expenses and taxes paid National bank notes outstanding Due to State and Private Banks and Bankers 1 819 85

Dividends unpaid 300 00 Individual deposits subject to check 182 982 60 Demand certificates of deposit 110 787 39 Certified checks 'ashler's checks outstanding

State of Oregon,
County of Umatilla;
I, F.S. Le Grow, cashier of the above-named bank, do solemnly swear that the above statement is true to the best of my knowledge and belief.
Subscribed and sworn to before me this 12th day of June, 1911,

CORRECT—Attest:
S. F. Wilson,
M. L. Watts,
H. Koepke,
Directors

Professional

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Athena, Oregon. Calls answered promptly night or day.

PETERSON & WILSON

Attorneys-at-Law

Athena, Oregon. - Pendleton, Oregon

Homer I. Watts

Attorney-at-Law

Athena, Oregon.

JOS. C. BADDELEY, D. V. S Proprietor of

City Veterinary Hospital 703 Chase Ave. :: Phone, Main 34 Walla Walla, Wash. Will make calls to Athena and Vicinity

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COR. MAIN AND THIRD, ATHENA, Or. \*\*\*\*\*\*\*\*\*\*

## LAUNDRY

For GOOD WORK HENRY KEENE, Agent,

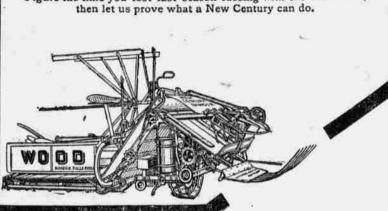
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A Peep at the inside of THE IMPROVED VIKING SUIT Besides double seat and knees it has a patent lining reenforcement throughout Riveted buttons -Extension waist-bands Double seat from seam to sear Double knee from seam to seam All Seams taped, stitched and stayed three times This ticket on a suit is a

ayer & Company Chicago hildrens Clothing

Parents, Note the extra lining attachment covering parts which are not made double, thus relieving a great deal of the strain attendant upon the seams and other parts.

Seats, knees and arm-pits are points necessitating particular attention. They are made of only reliable materials, perfectly put together and in style, right up to the minute. The label tells-sewed in every coat. It is plainly the duty of every mother before buying to carefully analyze the above. Come in and convince yourselves of its

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