## BEST DIVING DRESS SAVED BY AN INSPIRATION

American Invention Infinitely Superior to All.

New York Man Seems to Have Revolutionized Process of Investigation of Wrecks That Lie Many Fathoms Below Surface.

Several years ago, after a number of distressing accidents, the British admiralty determined to make some scientific tests in the hope of elimi-nating certain dangers to which the liegur suddenly discovered that he and naval divers were exposed in service. Without going into details, but by using double the number of air pumps and adopting several important precautionary measures, they did succeed in sending down two unusually fit men to a depth of 210 feet in the sheltered water of a landlocked bay, points out Robert G. Skerrett in the Scientific American.

Now keep the next fact in mind. In descending, bottom was reached in two minutes, and after a stay of 5% minutes the men were slowly brought back to the surface, the ascent taking 50 minutes! This was required to insure safe decompression and to guard them against any ill effects of their great submergence.

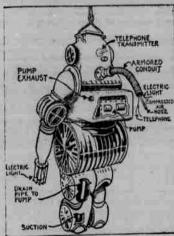
In the American idea, the all-metal armor, the men were lowered to the water bed in a trifle over three minutes, being held when about a hundred feet down to see that the telephone was working properly.

After being on the bottom for ten or more minutes the divers were hoisted Nikale!" up and out upon the deck of the par ent steamer in less than a minute and

Why was it possible to do this in rounded him, "Nikale!" the latter case and not with the British admiralty divers?

Simply because the American divers were not subjected to the hydrostatic pressure of the enveloping water, and by their chief. were able to breathe air at atmosment was necessary.

This innovation in the art of subaqueous enterprise is the result of supposed to be an enemy. some years of gradual evolution, and De Segur was kept a prisoner until is the invention of Chester E. Mac-Duffee of New York city. The suit is was arranged some months later. Eykeman in 1892 called at made of an aluminum alloy of great strength, and even so weighs a matter of quite 480 pounds.



Left Hand Carries the Electric Light, the Right Hand the Two-Fingered Claw

he dress. The discharge is immediitely outboard and, of course, against he water head.

The pump is driven by compressed tir, this exhaust is delivered into the mit, and thus meets the breathing needs of the diver. The air is led lown through a small tube, together with the electric light and telephone drcuits, which, in turn, are carried in 1 216-inch armored rubber hose. The ree space remaining in this big tube orms the channel back to the surace of the used air.

The diver has no life-line to bother vith his surface attendants.

There ought to be no difficulty in arrying on operations at depths of 00 and more feet. Of course, the oprator is entirely sheltered within his hankal hand is relied upon to grip ind to make the necessary connecions with suitable tackle or chain lings.

Feminine Finance.
"Now, wifey, for a little lesson in

inance. Do you know the value of "I do not, but I know it takes at

east \$40 to buy a presentable hat."

Neglected.
"This cotton advertisement is geting too absorbing. Why not encour-

the iron trade, too?" Yes, why not start a buy-a-ton

Presence of Mind of French Soldier Saved His Life When Situation Seemed Hopeless.

In Napoleon's campaign in Russia one of his generals, Philippe de Segur, had a peculiar adventure with a band of Kalmucks. The Kalmucks are wan-dering tribes of southeastern Russia. They are fierce warriors, and their light cavalry forms an important part of Russian armies. De Segur's presence of mind saved him from being killed by them when the most desper-ate fighting could not have done so.

The French had attacked a body of a few French dragoons had become separated from the French army and were being carried away with the retreating party.

He and his men were surrounded by a band of Kalmucks. The situation seemed so hopeless that the men gave themselves up and, disregarding his prders, passively allowed themse'res be struck down. De Segur deterfined to sell his life dearly and conued to fight. A Kalmuck lance struck im from his horse. He jumped to is feet and, getting behind his horse, continued the struggle. It was a hope ess contest, however, and in a few coments he would have been killed plants. All the carbohydrates, the ad not a happy thought occurred to starches and sugars, all the nitrogen

The Kalmuck leader, a fine-looking Cossack, remained calm while his men were carried away with the fury of battle. The expression on his haughty countenance indicated that he scorned out nature, from which we may-but to murder a vanquished foe, and from time to time he called, "Nikale!

De Segur guessed that this was an order to cease fighting. He shouted imperiously to the Kalmucks that sur-

Immediately the fury died out of their faces and they paused, motion-less with astonishment. Their fury once checked, Segur's life was saved have we generally begun to suspect

He learned afterward that the word pheric pressure. Their bodies were not subjected to abnormal stresses, the impetuous Kalmucks had not crime, is to be found in a comprehenand therefore no period of readjust beeded the command of their chief, they were puzzled and disturbed at bearing this word from one whom they is worth while and must begin at the

## Aerial Scouts.

The articulated sections are clever plane has proved very useful in scout-adaptations of the sleeve or rotating indeed, the heavier-than-air malight and, while suitably packed to reduce leakage to a reasonable minimum, still, thanks to roller bearings. The position of the enemy. The aerogive the diver ample freedom of acplane is less conspicuous; it is faster; and the polyneuritis that is produced ion when the weight of the dress is laken up by the surrounding water.

Indeed, a certain amount of leakage is desired, for it serves to lubricate the moving parts and, too, to keep the plane is less conspicuous; it is laster, and the polyheurits that is produced in birds by feeding them on polished is maken up by the surrounding water.

Indeed, a certain amount of leakage with a dirigible balloon, and it can lated from the material ground from the surface of rice in polishing it a definite crystalline body with which he prench pays a high tribute to the aero-interval and the polyheurits that is produced.

"Dat's a mighty short stub yer in birds by feeding them on polished in birds by feeding them on poli packing swelled, and therefore more plane scouts in one of his interesting cured polyneuritis induced in pigeons efficient. But how is the leakage dis-reports on the campaign in France. by feeding them on ordinary polished posed of? In a recess back of the "One of the features of the campaign rice. main body or trunk of the suit is in-stalled a powerful little pump with the Royal Flying corps. In regard to mine," because it constitutes a substance "vita-Antiquary—Yes, sir. the Royal Flying corps. In regard to mine," because it constitutes a substance in foods indispensable to life. S. Oftus—Well, there's a Chicago factory stamp on the bottom of it. suction intakes located in each foot of the collection of information, it is im- tance in foods indispensable to life. carried out their duties, or to overestimate the value of the intelligence
collected, more especially during the
recent advances." For the 20 days
that ended on September 10, the Engelish avisitors

The bard protective coat of the milling process, as re
light process, as re
Healing begins that very minute, and in almost every case your skin gets tigating the possibilities of developing power for the industrial needs of the money you threw away on tedious,
useless treatments.

Resinol Ointment and Resinol Soap
clear away nimples, blackheads

Styles in Grub. glish aviators averaged nine recon-noissances a day of over a hundred aleurone layer, together with the permiles each.-Youth's Companion.

> Covote Invades a Home. Coyotes have been committing many depredations in Crook county, according to a letter from Mrs. Fannie ies of highly complex structure and Morss, of Post. One night the family no diet is complete without them. of J. R. Knox was awakened by an unusual noise upstairs. Mrs. Knox went into the yard and could see a known at present, animals are incapcoyote tearing and biting at the win- able of making them and obtain them dow of the upstairs room in an effort only by feeding on plants. Vitamines tile vers to get out. Mr. Knox shot the animal.

An investigation showed that it had got into the house through a bedroom window downstairs, the tracks being and in other fresh fruit juices.
Vitamines are destroyed by over. The animal went through several rooms before going upstairs.

been many reports of rabid coyotes in that section, and that few go out after night without being well armed.-Cottage Grove (Oreg.) Dispatch to the Portland Oregonian.

The Gallant Gordons.

Rising, roaring, rushing like the tide, Gay goes the Gordon to a fight-sings the poet of the Gordon Highanders, who have suffered severely in the fighting in France. To the credit with, and his telephone permits him of the regiment stand the capture of o keep in constant communication the Dargal heights, in the Tirah campaign of 1897, and the rush through the sheet of lead which helped to sweep the Boers off the ridge of Elands laagte in 1899. In the desperate 26hour struggle on Waggon Hill the folrmored dress, and an ingenious me- lowing January when the fate of Ladysmith hung in the balance, the Gor-dons had their full share of the fight-lected for a long period to temperaing under the stalwart Miller-Walnutt, Another Waggon Hill on a small scale defic there was toward the end of the war, when at Reltz they put up a magni-

Modern Education.

"How is your little boy doing at school?

"He gets a good mark in the tooth able to learn arithmetic."

**Fundamental** Principles of Health &

By ALBERT S. GRAY, M. D.

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VITAMINE FOODS.

The fundamental difference between lants and animals is in their methods of feeding. Plants are essentially constructive and work up for themselves the simplest inorganic elements into stroying the combinations arranged by graph. the plants and recombining and excreting them in such forms as are absolutely useless for animal food until they are once more worked up by the compounds and the proteins, are ultimately provided for the whole animal world by the plant world. Obviously, we have here a cycle analogous to cycles to be found everywhere through seemingly will not-learn. In this cycle the animal is found to be parasitic, and man is about the most hopelessly parasitic of all, because his sublime egotism blinds him to the fact that he is but a single link in an incompre hensible chain of universal life.

In our ignorance we have presumed to interfere with nature's plans, with dire results, and only very recently that the key to the solution of our serious ills, both physical and social sion of the subject of nutrition. Very foundation, with the breathing and drinking of plants and their reactions

Eykeman in 1892 called attention to a peculiar relationship between beriberl and polished rice, and he followed During the present war, the aero- it up from time to time for some four-

carp, the testa and the germ; these are starchless but rich in fats and minerals, and besides they contain the newly discovered vitamines.

The vitamines are nitrogenous bod-Vitamines are found in plants, and especially in their seeds. So far as is yolks of eggs. They are found in peas, lentils and the like; also in lime

Vitamines are destroyed by exposare for from ten to twenty minutes to a temperature of 250 to 265 degrees Mrs. Morss says that there have Fahrenhelt and also by exposure to extreme dryness. Cattle may suffer from a vitamineless diet following a long drought.

Wherever any cereal robbed of its tentions." colored aleurone or vitamine layer colored aleurone or vitamine layer of the colored aleurone or vitamine layer o chief increase of beri-beri, caused by eating polished rice and resulting in nothing." thousands of deaths annually in Japan and other countries, coincides with the replacement of the primitive stone grinding by the modern steel roller process. The stone mills ground the entire grain; the modern rolls enable the miller to reject from the flour practically everything but the starch.

A diet largely composed of sterilized milk, condensed milk, corn flours, jected for a long period to tempera-tures above 250 degrees, may be con-'a man cast in the mold of a Ber- sidered vitamineless diet, and, as such, serk viking," says Sir. A. Conan Doyle. will predispose to tuberculosis and the

clency diseases. White flours, corn flours and polished rice are deficient foods, because ficent and successful defense under the vitamines have been removed in terrible punishment against 500 Boers. the milling process. But in the face of all the proof we still have amateur and political "experts," some of them in high places, who persist in stating that white flour and polished rice are rafe and healthful foods. White flours brush drill and stands first in the and polished rice are pure foods, but breathing class, but he doesn't seem they are not wholesome foods, because they are not complete.

HIS HAPPINESS IN DANCING

Footwork Did Not Bother Anxious Pupil, but Rather Wanted Professor to Teach Him Holds.

Daniel G. Reid, the New York capitalist, smiled when reference was made to the modern dances. He said he was reminded of the chief concern of a party named John Henry.

John Henry wished to wise himself on modern dancing, and went to a well-known professor for instruction. At the first lesson the pupil didn't show any great aptitude, and several times the instructor was compelled to call a halt.

"Just a moment, sir! Just a mo-ment!" he intervened, for the tenth "That will never do."

"What's the matter?" responded John Henry. "Am I getting things a bit twisted?"

"Yes," answered the professor, "you must watch your footwork if you wish to learn the dances.

"That's all right, professor," cheer food. Animals, on the other hand, are essentially destructive and can make bother about the footwork. Just teach use of these same elements only by de me the holds."—Philadelphia Tele-

A Problem in Etiquette.
A red-faced, awkward young man
approached an usher at a church wedding the other day and timorously slipped into his hand a package tied with a red ribbon.
"What's this?" asked the usher,

suspiciously. "Oh, that's the present for the

bride." friend!'

That's what this ticket in my invi tation says. See here!" The usher's eyes were moist

"Present at the door."-Judge.

NO WORK ABOUT IT.



Placing the Blame.

S. Oftus-I say, you remember that chair you sold me the other day-told

"Warfare nowadays is not what it 19 years and sold by all druggists, used to be."

"Perhaps not." "For instance, the monarch who shouted 'A horse! A horse! My kingdom for a horse!' caught in a similar predicament in a modern battle would probably shout, 'My kingdom for a motor car!'

Cause for Curiosity. "How did you like my latest poem?" inquired Tennyson J. Daft, the versatile versificationist, angling for a com-

"What was it about?" returned J. whole grains, potatoes, carrots, beans, Fuller Gloom, the deservedly unpopular misanthrope.

"Why, didn't you read it?"
"Oh yes. That is what aroused my curiosity."—Judge,

Militant Advice.

"What must I do, mother? Mr. Dumdy won't take 'No' for an answer and continues to annoy me with his at-

and \$270,075,000 Mail and Empire. a case of this kind I hope you are not a champion basketball player for

Social Welfare.

First Barroom Politician—Say, Bill, wot's this bloomin' mortuarium they they be tarkin' so much about? Second Politician-Well, ye see, it's

like this: You don't pay nothin' to nobody and the government pays it on a clear but moonless night. First Politician-Well, that sounds

a bit of all right, donn't it?-Punch.

Fashlonable Penmanship. "Looks like a futile transaction all ound."

What are you kicking about now? "This fad for large handwriting. My faughter got a box of expensive paper from a young man and used it all up writing him a note of thanks."-Judge

A Patriotic Frenchman. "Say, what's the matter with my reakfast?" asked the restaurant pa-

## The Secret of Health is Elimination of Waste

Every business man knows how difficult it is to keep the pigeon holes and drawers of his deak free from the accumulation of useless papers. Every housewife knows how difficult it is to keep her home free from the accumulation of all manner of useless things. So it is with the body. It is difficult to keep it free from the accumulation of waste matter. Unless the wasto is promptly climinated the machinery of the body soon becomes clogged. This is the beginning of most human illa.

DR. PIERCE'S **GOLDEN MEDICAL DISCOVERY** 

ists the stomach in the proper digestion of food, which is turned anning blood and all poisonous waste matter is speedily disposed ure's channels. It makes men & I women clear-headed and able-bodie hem the health and strength of youth. Now is the time for your red-50 cents for a trial box of this medicine.

Send 31 one-cent stamps for Dr. Pierce's Common Sense Medic Advisor-1008 pages-worth \$2. Always handy in case of family illne

Address for. V.H. Pierce, Buffillo, N.Y.

Decoy Periscopes Used.

Decoy Periscopes Used.

Such things exist as decoy periscopes—short lengths of pipe heid upright on a float and looking exactly like the real periscope. The submarine sets them adrift for you to find—sometimes scatters several of them.

When one is sighted you can not stop to consider whether the little object dancing oh the sea half a mile or so distant does or does not mean 250 pounds of high explosive coming straight at you. Maybe you will see an aeroplane maneuvering over it in a way that carries conviction that it does. You don't dare to take any chances, and so you train all the guns at it.

TYPEWRITERS ALL MAKES

Then the real submarine slinks up "But you shouldn't bring it here, my the swift rush of its torpedo the latest of sea tragedles comes to an end.—
"Shouldn't?" he replied timorously.

Then the real submarine stinks up on the other side of the ship, and with the swift rush of its torpedo the latest of sea tragedles comes to an end.—
Then the real submarine stinks up on the other side of the ship, and with the swift rush of its torpedo the latest of sea tragedles comes to an end.—
Then the real submarine stinks up on the other side of the ship, and with the swift rush of its torpedo the latest of sea tragedles comes to an end.—
Then the real submarine stinks up on the other side of the ship, and with the swift rush of its torpedo the latest of sea tragedles.

Appropriately Named.

You Can Get Allen's Foot-Lase FREE.
Write Allen S. Olmsted, Le Roy, N. Y., for a
free sample of Allen's Foot-Ease, It cures
sweating, bot swollen, aching feet. It makes
new or light shoes easy. A certain cure for
corns, ingrowing nails and bunions. All druggists well it. 25c. Den't accept any substitute.

Small by Comparison. "These war expenditures are simply terrible."

"Well, it's an ill wind that blows nobody any good," opined the con-gressman. "People won't be so in-clined to notice the little billion doilars we appropriate." — Louisville Courier-Journal.

Little Left. "I'm glad I saw the sights of the world while I could."

"Dat's a mighty short stub yer mokin', Weary."

"Yep! I know it; 'dat's de way I llers like 'em; you don't hey for pull

RESINOL HEALS RAW,

ITCHING, SCALY SKINS No matter how long you have been tortured and disfigured by itching, burning, raw or scaly skin humors, just put a little of that soothing, antiseptic Resinol Ointment on the sores and the suffering stops right there! Healing begins that very minute, and

clear away pimples, blackheads, and dandruff. Prescribed by doctors for

"Your wife's tastes are literary, and not musical," said the inquiring rela-'Yes. And that's lucky. I'd rather she'd sit up till midnight reading a book than sing songs or play the

plano."-Washington Star. HOWARD E. BUETON - Assayer and Chemiss, Bilver, Leadylle, Colorado, Sportmen pricest Gold, Silver, Leadylle, Colorado, Sulver, Esc. Gold, Soc. Zine or Copper El. Mailing envelopes and full price list sonton application. Control and Umplice work so-licited. Heference: Orthonate National Sank.

Another Delusion Destroyed.

An English newspaper says that it is a common delusion that red uniforms are more conspicuous in the field and more dangerous when armies fought at close range, but are said to be less easily seen at a distance of

1000 yards than steel gray or other light shades.—Exchange. American Coin in Canada. According to figures published by the Monetary Times, of Toronto, the sum total of American investments in

YOUR OWN DRUGGIST WILL TELL YOU

Light in Water.
At 530 feet below the surface of the water the amount of illumination is about the same as that on the surface,

American Fountain Pens. American made fountain pens com-mand about 80 per cent of the market for conveniences of their kind in

Great Britain. Oldest Grass. Rye grass is believed to be the old-est grass specially raised for forage, having been thus cultivated in Eng-

land more than two centuries ago. Dr. Pierce's Pellets, small, sugar-coated, easy to take as candy, regulate and invigorate stomach, liver and bow-sls. Do not gripe.

"I'm very sorry, sir," answered the waiter, "but the chef's reading the spent \$50,000 a year. Hubby still wins. She spent \$50,000 a year before the divorce.

Ford's Anthropology.



"What do you call your buildog?" the visitor asked the farmer.
"Nabe!"
"A curious name for a dog. Why do you call him that?"
"Wait until a tramp comes along and I'll show you."—Birmingham Age-

TYPHOID is, no more necessary than Smallpox, Amy experience has demonstrated the almost miraculous afficacy, and harmiessness, of Antisphoid Vaccination. De vaccinated NOW by your physician, you as your family. It is more what than house insurance. Ask your physician, druggist, or send for "Have you that Typhoid" telling of Typhoid Vaccina, results from use, and danger from Typhoid Cartistantic Culture Laboratory, Bernelley, CAL PRODUCING VACCINES & RENELLY, CAL PRODUCING VACCINES & RENELLY, CAL PRODUCING VACCINES & RENELLY OF THE CONTRACT OF THE CONTR

Open to Suspicion. "What is your idea of a pedant, any-

how? "Well, it is sometimes rather diffi-cult to say who is a pedant and who is not, but I think you would be fea-sonably safe in suspecting a person of pedantry who speaks of hair and whis-kers as 'hirsute adornment.'"—Birm-ingham Age-Herald.

A Retreat. "And you call this your music

'Yes," replied Mr. Cumrox.

"Rut there are no musical instru-ments in it." "No. It's so constructed that I can't hear any of the surrounding music that may be turned on from time to time."—Washington Star.

"What can I do fer you, mum?" nsked the grocer.
"I hardly know," said the lady who doing her first marketing, "What they eating this fall?"—Kansas City Journal.

**Helping Kidneys** 

By Clearing Blood A Function Greatly Assisted By a Well-Known



purify the blood, its action is a stimulant to the myriad of fine blood yeases that make up the constructive tissues of the kidneys. All the blood from all over the blody must pass through the kidneys. They act as testers and assayers. And according to what they allow to pass out in the urine, both as to quantity and materials, the health of the kidneys and the quality of the blood is determined. The catalytic energy forced by S. S. S. is shown in the urine, it is also demonstrated in the skin. And as the blood continues to sweep through the kidneys the dominating nature of S. S. S., acting as it does through all the avenues of elimination, shows a marked decrease of disease manifestations as demonstrated by urine analysis. This assistance is a great rollet to the kidneys. The body wastes are more evenly distributed to the emunctories; their elimination is stimulated by the tonic action afforded the liver, longs, skin and kidneys. Thus, in cases of rheumatism, cystitis, chronic sorathroat, huskiness of voice, bronchitis, asthmas and the myrisd of other refer indications of weak kidney action, first purify your blood with S. S., so it will enable the tissues to rebuild the cellular strength and regain the normal health.

S. S. is prepared by The Swift Specific.

Co. 527 Swift Bidg., Atlanta, Ga., and if you have any deep-sented or obstinate blood trouble, write to their Medical Dept. for free advice.