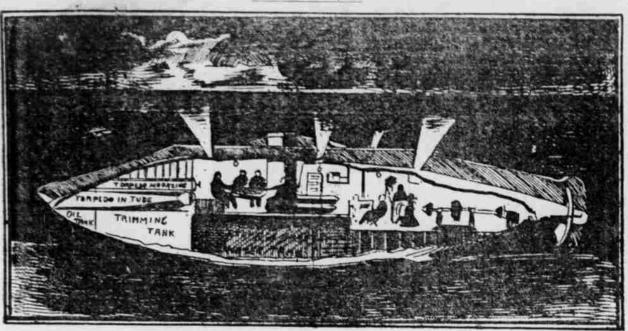
# TORPEDO BOAT, FULTON, REMAINS UNDER WATER FOR A PERIOD OF FIFTEEN HOURS.



HOLLAND SUBMARINE BOAT AS IT APPEARS UNDER WATER.

NE of the most remarkable tests in the history of the United States many was successfully made in Long Island sound recently. For fifteen hours the Holland submarine boat, Fulton, lay on the bottom of the sound with at east eight feet of water washing over her decks. Within the steel shell were eight men, including Rear Admiral John Lowe and Captain Frank T. Cable. The men suffered no inconveniences whatever. They slept, ate, read and played cards. They knew nothing of a fierce storm which was raging over them, wrecking vessels and destroying prop-

The test demonstrated that the vessel could remain under water for weeks as well as hours, so far as the question of pure air was concerned. None of the air contained in the four flasks was used, and yet when the boat arose the air in it was pure and wholesome. The question of the air supply being settled, the time which the vessel can remain submerged depends entirely upon the amount of food and fuel which it can carry. The boat was not damaged in any way on account of resting on the bottom and was safe from the winds and waves above. This proves that such a boat in case of a storm at sea could quickly sink from danger. Should a hostile boat threaten it the little wonder could disappear beneath the waves and if necessary remain out of sight and danger for days.

The marvelous boat is of the same style as the original Holland submarine vessel, but great improvements have been made in the apparatus which controls it. Experts are of the opinion that the boat is now the highest type of submarine craft. Its speed is from 7 to 9 knots an hour. It is the belief that two such boats could successfully guard any harbor or destroy a hostile fleet. It is probable that in the near future such boats will form an important, if not the most important, part of our navy, and may be the cause of revalutionizing the naval architecture of the world.

#### A FAMILY MATTER

She sewed a buiton on my coat, I watched the fingers nimble; metimes I held her spool of thread, And sometimes held her thimble. "I'm glad to do it, since you're far

From sister and from mother. 'Tis such a thing," she said, and smiled, "As I'd do for my brother."

The fair head bent so close to me My heart was wildly beating: She seemed to feel my gaze, looked up. And then our glances meeting, She flushed a ruddy, rosy red,

And I, I bent and kissed her, "Tis such a thing." I murmured low, 'As I'd do to my sister." -Brooklyn Life.

#### Forty-six Minutes with Death

I......

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HE strike at the "Foundry," the influence of a few of the leaders- been inexpressibly dear to him of late. | Dorothy that night sat reading; then



months had elapsed, and their position both muffled in heavy coats, and pieces face in the doorway gazing at him; to was almost desperate. Several deput of cloth covering the upper half of their him it seemed the soul of Dorrie, come tations had waited on old Mr. Vice, the faces. One of them carried a small to say "good-by." proprietor, but had been invariably re- black box somewhat gingerly to the He was not afraid, hardly awed: it ferred back to the manager, with the desk and sat it down in front of Shot- was not real; dying men's eyes are understanding that he had full authori- well. He turned a little brass key in sometimes strangely clear; he noticed ty to deal with them.

of intelligent sympathies, from the first ed the box around and Shotwell saw a that-it was Dorrie herself. A moment had been willing even eager, to discuss small dial, with the hands pointing to of wild joy was swallowed up in a still the men's grievances and help them to 9:50 o'clock. One of the men attached greater horror-"Dorrie!"-here, with headgear, stunning him severely. He an understanding. But when he found one end of a string to a lever on the that thing-Oh! God; this was worst of that the leaders, to whom the men had box, and with the greatest precaution all-but her quick hands touched him. turnip squarely on the tines of the fork. intrusted their cause, not only were dis- tied the other end to Arthur's left wrist, deftly untiling first the handkerchief but were seeking their own ends, at the just forty-six minutes, and then that ping those fearful strings from his expense of the men, he suddenly thing goes off, and God have mercy on wrists. changed his attitude and refused to lis- your soul. If ye should want the thing ten to any proposals other than abso- to go quicker just struggle hard, and if lute surrender. He gave the three lead- ye manage to pull either of them ers to understand in the plinest lan- strings, well, I guess it'll oblige ye." guage that under no chaideration , "Now, Bill, we've got no time to at the tap; it's our only chance." shops again.

the contemptuous way in which the guests had gone, leaving little trace of and carried it, ticking, to the bucket: manager had expressed his opinion of their visit except a faint odor of chloro-placed it in and held it, trembling, as these men from sullen spite to hatred. box, with its montonous tick-tack, tick- a little rasping jar in the ticking. Shot-They could not keep the men back or tack. get back themselves unless-well, un. The whole thing had happened so stooped over the girl and waited for turned to practical use by building a get more members into a family debate less Shotwell changed his mind, and suddenly, and his brain was so heavy what never came. One, two, three minthey knew him too well to hope for with the drug, that the men were gone utes passed; then, with a breath of half

and show the old man and his sweet- stricken at the little clock that was home."-Milwaukee Wisconsin.

the reins.

pretty, that gradually he grew used to had been no coward. could be true.

small grievances, had-thanks to and better each day. These times had doom, his growing difficulties.

feverish, and night after night Shot- perplexity and fear; fear for Arthurwell had slept at the office. fearing what was it? She passed her hand over By the end of the week worry and lack -why could she not remember? Then of sleep had told heavily upon him, and the ticking of the clock on the mantel as he sat smoking in the mysterious caught her ear-caught it strangely. shadows he determined that this must and she listened, breathless, trembling; grew vague and mixed; his pipe feil to fell on her inner ear: "Good-by, Dorrie; he floor and made him jump, then his good-by, darling." eyes closed for a moment, opened slug- "Ah!" she rose to her full height-was gishly, dropped again and he was fast rigid there for an instant, then quietly. asleep.

ized that he was tied down. A cloth Tick-tack, tick-tack, eight minutes was wound tightly over his mouth, more. The manager, Shotwell, a young man tack, tick-tack, like a clock. He twist- fearful anguish-souls did not look like would be tolerate their presence in the waste. Here's the keys; you go for the She comprehended instantly. Oh, how

safe and I'll fix the desk." The result of this understanding and Inside of fifteen minutes Shotwell's to the desk, took the box in her hands. ders and their scheming roused form, and that strange-looking black the water swallowed it, until there was

Shotwell's obstinacy had surprised his position. As it dawned on him he She was fast asleep, nestled in his arms even old Mr. Vice, who had known him could not believe it was true; it was and breathing peacefully. from boyhood-known him so well, in some terrible nightmare. He strove to He waked her with a kiss. She stared fact, that he had sanctioned the young shake himself, but the tightening of the at him in sleepy surprise. "Why, Arman's engagement to Dorothy, his strings on his wrists and a half jar in thur! Where am I? What is it, dear? daughter. It was possibly the thought the tones of that ceaseless tick-tack How white you look; and see, the waof a future partnership that made him brought him back to his senses with ter's running all over the floor; you so determined to stand to his guns now a chill of horror. He glared terror careless boy-I-oh. Arthur, I-take me

heart that he was capable of holding ticking off the moments of his life-a second each time. A few more minutes Even Dorothy's lover hardly under- and then-he broke out into a cold stood her. She had strange ideas of sweat; an unmanning fear of this un-"soul communion" that made the mat- known, cruel thing crept over him, and ter-of-fact young man gasp; and she for a while he sat, huddled in abject had an uncanny knack of demonstrat- terror; then slowly the soul of the man ing the proof of her beliefs by reading steadled itself; he closed his eyes to his unspoken thoughts with an accu- pray, and the word that came was never care to wander or to roam. If an some sac containing abnormal secre- solutely! And if it does we will sell racy that, to a less healthy, wholesome "Dorothy," With a fierce mental effort unkind fate shifts them into unaccustions from the blood and tissues, the you new goods to match the changed young fellow, might have been embar- he pulled together his shaken faculties rassing. But withal she was so wom- for her sake. For her he would die like anly and tender, and her fancies so a man. Perhaps she would know he

ing over them and almost wishing they past 10. Ah! it was time to sit and talk own satisfaction that this little animal some of them minutes will suffice to To one of these fancies he had readily would give to her those last twenty lently taken from its birthplace and but sooner or later all the known organyielded; each evening both sat wher- minutes. And so he sat on, his face transferred to the human body. Yet ever they might be in silence for a lit- drawn and ghastly, but his courage such action on the part of the transtle time and let their thoughts go out firm-sat and bade a long good-by to planted animalcule can be but a sensefreely to each other. "Soul talks," the girl he loved; thought strong, manly less whim, for the overwhelming ma-sibilities for the microscopist. It is not Dorothy called them; and whatever thoughts to her, that kept fear from his jority of germs are agreed that human known if that dread disease, cancer, is they were, the result was that his love heart. But while his inmost self talked beings are by far the most aristocratic of microbe origin. The microbe of rheu- much now that he is away. "Oh, no! for the girl grew more tender, and he with "Dorrie" his flesh grew gray and dwellings on the list. knew that in some subtle manner be pinched, the lonely silence broken only starting from comparatively was coming to understand her better by the steady ticking of his clock of the number of microbes infesting the the possible germ of hydrophobia. But

reached a state where satisfactory set. They were his moments of absolute later fell to wondering of Arthur alone thement seemed impossible. The men rest from the worry of the strike, and in that great building, and at the had expected to be out a week, or ten he always felt his brain refreshed, and thought of his loneliness all her heart Catches Turnip Thrown from a Chicago days at the most, but nearly two afterward was better able to cope with went out to him; and perhaps some of her soul, for her body fell asleep. Then The pulse of the strike was growing she, too, woke with a start-a start of some kind of an attack on the premises. her forehead, bewildered. What was it be his last night alone; he would get a tick-tack, tick-tack-what did it mean? watchman to aid him. His thoughts Then slowly and softly a solemn voice

"Yes, I know; I understand." Sh With a start and a fearful sense of walked quietly to her father's room. oppression he awoke, struggling willly took his keys, and, taking her hat and in his chair-tried to cry out, and real- coat, slipped unseen out into the night

while the room was filled with a subtle. "Eight minutes; eight years; God: sickly odor of chloroform. He heard a Can I wait? One brave spring now sneering laugh behind his chair, and- would end the torture, and-no, no, for Well, yer took a purty good nap that Dorrie's sake, for the honor of love, Pil time, didn't yer?" There was an an- live my life out to the last bitter sec swering growl from another throat, ond." Shotwell closed his eyes a few and the two men came round in front, woments, then opening them, saw a

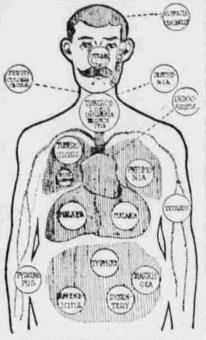
"How long, Arthur?" she whispered. "Two minutes; don't stop to untile me: water, quick! There's a bucket; fill it

slow the water ran! She walked swiftly England, a distance of 500 feet, and well drew one deep, long breath as he before he fully realized the horror of fearful relief, he looked down at Dorrie otherwise such a thing would be im-

#### WHERE THE DEADLY MICROBES ATTACK MAN.

N general half of the deaths in the have made it 160, but it speaks volumes human family are known to be for his accuracy that he did not. Most known. They may be many, however, eases, Almost every day new portions of the Oddly enough, few germs are found body are found to be infested with the in the stomach. An uncertain numbertubercle bacilli, and that this germ, so perhaps fifty or more-occupy the alilong known, has habitats undreamed of mentary canal and digestive apparatus a few years ago indicates the possibili- of the individual. The skin at all times She finds it impossible to break herself ties of growth in the whole theory of is the haven of microbes of all kinds, of the habit of telling the truth." germs

significance are pretty well determined; in the throat and broughlal tubes. many of the others, so far as known. are harmless.



WHERE MICROBES ATTACK MAN

tomed, even though comfortable surnourishment and die.

Take the bovine tuberculosis microbe. By actual count some one has placed

mouth and teeth at 159. He might the field is open.

caused by microscopic organisms, of these germs are harmless, but in the Just how many other deaths may be mouth of a healthy person may be traced to the same germ source is not found the microbes of dangerous dis-

While the muceus membranes are most The germs of all disease, broadly, are always harboring germs, there are fewlow animal or vegetable organisms, est in the eye for the reason that it is it's a pleasure. - Town Topics, They may be cultivated by artificial washed with the salt tear secretions. means, just as plants are grown from All through the air passages are disease seeds. As to the number of these germs, depending upon the environgerms, it is a problem, but for the most ment and exposure of the person. part the several hundred germs listed Germs of diphtheria, influenza, pneu are innocuous. Those of pathological monia, and even tuberculosis, are found

The liver and kidneys harbor germs of tuberculosis, maiaria, and typhold fever. And yet the person in whose system these are found may never develop one of the diseases.

In the arm may be found the pyogenic organisms which produce pus and suppuration. These germs also are found tion, ma'am? Patient-Yes; but, say, in the heart.

the most part, but they are concen- Chicago News. trated particularly in the spicen. Also, they are found in the liver.

Endocarditis germs are found in the

Furumculosis, or bolls, is the effect of germs, and the seat of these are most

commonly about the neck. The germ of erysipelas may be found in the side of the face and neck.

The germ of atopecia, or baldness, finds lodgment in the scalp.

That the air everywhere is swarming with these minute vegetable organisms. that the body is infested with them. and yet that thousands of people die every year from old age are seeming did."-Detroit Free Press. anomalies.

the machinery of the system is the She (encouragingly)-Well, Mr. Duffer, white corpuscle in the blood. To be there are plenty of bright, intelligent certain taking held in the system, the girls in the neighborhood. microbe must get somewhere that the Some germs are homebodies, and white corpuscle cannot go. Thus in guarantee this goods not to fade?" "Abmicro-organism finds lodgment and roundings, they pine away, refuse food, while the white corpuscle in the same surrounding dies.

The one condition in nature which no them, and found himself often linger- Tick-tack, tick-tack, twenty minutes Dr. Koch discovered and proved to his microbe can stand is sunlight. With to "Dorrie." Well, he would do it- will perish in the midst of plenty if vio- kill; with others days are necessary; isms fall victims to sunshine.

As to microbes and diseases, as cause and effect, there are some further posmatism has not been discovered, pro-

## BEDINI'S DARING ACT.

Skyscraper on a Fork.

Chicago people were treated to an astonishingly daring feat the other day, when Johan Bedini, of London, hurled from the nineteenth floor of the days after planting. Masonic Temple. An immense crowd watched the performance, and the cars across, and the condensation of the peared in a headdress like that of a cannibal king, with a spike on top, and



JOHN BEDINI'S PERFORMANCE.

it and hidden machinery began to tick- the hat, the coat; the face drawn with placed the fork, a wooden-handled affair about a foot long, between his teeth. The first turnip went wild and the second struck the spike on Bedini's railled quickly and caught the third He took the terrific shock unflinchingly, posed to take advantage of his justice. Now, see here, Mr. Shotwell, you've got that gagged him, then delicately slip and though his lips bled freely and he went tumbling backward, he clung to the fork with set teeth. The Londoner was given a tremendous ovation by the He glanced desperately at the clock. throng. He began his peculiar calling as a juggler, and used to catch vegetables thrown from the galleries of theaters. He says he has caught a turnip thrown from the Brighton Tower in he intends to catch one dropped from the Paris Elffel tower.

## Magic Patch.

several crops to be raised yearly, where possible because of the almost daily frosts in this region. The structure was built by W. P. Howe. It is roughly made, and is 25 by 50 feet. A stream of hot water flows from a five-inch hole in the southern end of the building. passing out the other end. The tem-

house is kept at a tropical heat constantly.

The rich soil, the sun's light and the condensation of steam from the hot water make an ideal combination for the growth of vegetation. Lettuce, it In 28 days a head of lettuce measured 22 Inches moisture in the air. On some of the piece,"-Life. cucumber vines five full-sized cucumbers were gathered from a single joint. Three pails of water have been suffigreenhouse on even the bottest day,-Scientific American,

#### Brother Dickey on Poverty. "Poverty," said Brother Dickey, "hez

been a great blessin' ter me an' mine. I never had money 'nuff in all my life er make me set up in bed en ax my self, How long fo' daylight? I never had no money in de bank, en never felled down en broke my neck tryin' ter ketch de cashier w'en he lef word dat he was takin' exercise for his helt, en arrived)-How long will you take to I never had one dollar in a railroad fer drive me to the fort, cabby? Cabbyde recenver ter be thankful fer what he Ten minues, capting, by the short cut wuz 'bout ter receive. Rich men is ez necessary ez taxes, en des 'about ez allus goes the long way round, through popular, sometimes; but dey got mo' troubles dan what I got. Dey all hez honor, which takes an hour. (Cabby dese highfalutin' disenses what no gets his hour.)-Punch. mens can pernounce, en no matter how much money dey gives de church, de preacher's private opinion is dey ain't giv' y' ten years t' th' pennytenchurry." ez fur fr'm hell ez next month is f'um Chris'mus! But de po' mens pull fendant, jumping to his feet, "there are throo' somehow; en w'en dey gives up extenuating circumstances." "They is?" de ghost hit's allus wid some good, olfashion' complaint like de measels, or thet, durned if I wouldn't giv' him fifde brokebone fever, or de seven-year teen years."-Columbus Journal, eetch, en de rub-down rheumatism. De patch is on dey britches, but de peace is in dey min'!"-Atlanta Constitution.

## His Theory.

"I can't see,' sald Mr. Meekton's wife. 'how any man can persuade himself to isn't it?" "Not much! It's a quail." be a mormon."

"Well," answered her husband, A hot water geyser, in the upper gey- thoughtfully, maybe some people are ser basin of Yellowstone Park, has been such moral cowards that they want to trai Market." - Philadelphia Press. kothouse over it and thereby enabling and so shirk their half of an argument." fully, and, with a grave face, told him -Washington Star.

#### By Chance. Olive-"Marriage is so uncertain.

girl has to take her chances." May-"Chances! Goodness me, some girls don't even get one chance."-Philadelphia Bulletin.

After a man reaches the age of 30 he perature of the water lacks only eight never takes much stock in the theory tinued, "advised me to come to you." degrees of the boiling point, and the that the good die young.



"Who is the hero of the play?" "I can't tell you his name, but he's

"Is she a polite girl?" "Not at all.

He-Now, don't you bother to help me on with my coat. She-It's no bother.

Heredity. "Wot you doin', chile?" "Nothin', mammy, "My, but you is gittin' like yooh father."-Baltitoore Blobbs-"Wigwag must be making an

awful lot of money." Slobbs - "I should say he is. I actually believe he is making more than his wife can spend."

"I believe Mrs. Hemlock would rather quarrel with her husband than with anybody else." "Decidedly! Force always seeks the line of least resistance."

Doctor-Did you take my prescripdoctor, paper's awful hard to get down, Malarial germs are in the blood for an' it didn't seem to do me no good .-

> Employer-And how long were you in your last place, my good man? James (just out of Folsom penlientiary)-Ten years, sir, and I never had a single evening out.- Ex.

> "Why, gentlemen!" cried the afterdinner speaker, tragically, "what would this nation be without the ladies?" "Stag-nation, of course," murmured the Cheerful Idiot.-Judge.

> "Didn't you go away at all, Mrs. Dush?" "No; Mr. Dash said he was so well fixed now that we could afford to stay at home if we wanted to-so we

He-I shall never marry until I meet The worst enemy of the microbe in a woman who is my direct opposite.

A Guarantee and a Promise, "Do you color."-Indianapolis News,

Not His Fault. "Do you realize," said. the economist, "that there is a beavy surplus in the United States Treasury?" "Well," answered Senator Sorghum, "it ain't my fault."-Washington Star.

Newlywed-"Why don't you take a wife?" Bachelor-"My income is only sufficient for one." Newlywed-"Well, if she really loved you she would probably be satisfied with that."-Puck,

"Don't you miss you husband very At breakfast I just stand his newspaper viding there is one. Nobody has isolated up in front of a plate and half the time I really forget he isn't there."-Ex-

change. "That is your husband rapping!" announced the medium in a solemn voice, "My husband rapping?" said the widow, absently; "gracious! he must have forgotten his night-key!"-Philadelphia

Record. In His Favor, She-Papa says that a is said, comes up from the dry seed in young man who smokes eigarettes will England, holding an ordinary carving two days, and good-sized heads of letfork in his mouth, caught a turnip tuce were gathered in from 15 to 18 that's the first good thing I ever heard any one say of a cigarette smoker Yonkers Statesman.

Dr. Brown-"Well did you keep the were blocked for some time. Bedini ap- steam would even break down the larg- thermometer in the room at 70 degrees, er leaves with the weight of water upon as I told you?" Mrs. Murphy-"I did, them. Cucumber vines grow from 25 indade, doctor, but I had a hard tolme to 35 feet in length in less than 60 days to do it. The only place it would stay without being watered, except for the at sivinty was fornist the chimney-

Poet-I was pleased to see my poem in your paper. Is there any money-Editor-Oh, no; we sha'n't charge you clent for watering the plants in the anything this time. It is your first offense, you know. If, however, it is repeated, we can not let you off again so easily.-Boston Transcript.

Young Wife-"I received to day a beautiful diploma from the cooking school-on parchment-and I've celebrated by making you this dish. Now, just guess what it is." Young Husband (chewing on his burnt omelet)-"The diploma?"-Fliegende Blatter.

Manoeuvers, Lieutenant Nobs (just through the halleys. But the military the fashionable part o' the town, yer "'Cordin t' th' statoots." began Judge

Wayback, as he stood up, "I'll hev t' "But," exclaimed the lawyer for the decried the judge in alarm. "Ef I thought

"There, my dear," said the returned hunter, "there's one bird for you, anyway. Bagged him just as I was about to give up in disgust." "Oh, George!" she exclaimed, "it's a carrier-pigeon, "But it has a card tied to its leg, with some message on it. Let's see. It says: 'John Jones, Poultry and Game, Cen-

The doctor examined his patient carethat he was very ill, and asked if he had consulted any one else. "Oh," said the man, "I went to see a druggist and asked his advice, and he-" "Druggist!" the doctor broke in, angrily; what was the good of that? The best thing you can do when a druggist gives you a bit of advice is to do exactly the opposite," "And he," the patient con--Ex.