DESERET EVENING NEWS: SATURDAY DECEMBER 2, 1899.

AFTER ALL THE COUNTRIES OF THE WORLD HAVE BIDDEN FOR THIS WONDERFUL LITTLE BOAT IT HAS, AT LENGTH, BEEN PURCHASED BY THIS COUNTRY TO DO REGULAR DUTY IN THE NAVY.

THE NEW LADY OF THE NAVY.

the Holland Submarine Boat Has at Last Eeen Adopted by the Government and Will Soon be Ready to do Work Underneath the Water.

The Holland submarine boat has The Holland submarine boat has pased inspection as a destroyer, after prenament tests, and is now giving a the schibition on the Potomac oppo-te Washington. The United States are under the spractically decided to copt the boat and the Holland will the new lady of the navy, eccentric, any fascinguing.

when hew lady of the navy, eccentric, pet very fascinating. The new lady is also very powerful. This death-dealing bit of animate resident put a quietus on the modern usedad, just as Ericsson's Monitor world, fust as Ericsson's Monitor did the knell of the Merrimac, and bed the hattle-ships then known all other knell of the Merrimac, and a all other battle-ships then known, i an sall under water like a great bas, and while down in the depths i the sea can discharge its dynamite as with the same deadly effect as if role on the surface.

role on the surface. In contains three pieces of ordnance, so at which were invented by Mr. shand himself. In the bow of the boat is tarpedo tube for the regulation pinchead torpedo used in the navy. here and directly in line with the here and directly in the with the Filehead tube, but pointing up at a get angle, is the dynamite gun. In a sten of the boat is a tube designed a scharge a submarine projectile with pat force at the hull of a war ship. Mr. Holland built a gun that would be projecting backtone now an so-pound projectile, backing with a powder charge sufficient to with a powder charge sunder in to my it 100 yards under water. The m was placed in the stern of the sub-size boat, pointing aft, for the rea-s that it is easier to discharge a torand keep the boat running in the adjustion, than it is to expel the ado from the bow and then back

sink a warship with a submarine tile, the Holland would submerge picture, the Holand would submerge 2 a safe distance from the warship, yoeding cautiously at a depth of ism thirty to forty feet from the sur-he. The pilot in the conning tower the Holland could tell by the sudden Akening of the water around him iss the submarine boat was directly when the submarine boar was directly matrixe battle-ship. The order would agree to slacken speed, water would a pumped out of the stern water-bot-tem compartments to thit the gun up o mage, and the executive officer and complete the electric circuit of ning fuse. There would be a bounding forward of the subthe beat, as it recoiled from the same beat, as it recoiled from the barge followed by a mad swirl of a in the wake of the projectile. a would come a stifled report and a violent vibrations, telling that had not missed its mark, and battle-ship had gone to the

erial projectile tube is the most of the three guns mounted by narine boat. It consists of two tubes joined at the breech end. smaller is put the powder Between the powder and the is an intervening air space kes up the force of the exploof the explosion from strainnetal of the gun.

the aerial projectile the subafter compartments to give the upward tilt at the bows. The drives her back under water ded and the boat awaits another mity to rise and deliver a shot.



THE WONDERFUL HOLLAND SUBMARINE BOAT WHICH HAS BEEN ADOPTED BY THE NAVY DEPARTMENT TO DO SERVICE IN CASE OF FUTURE WARS WITH THE UNITED STATES,

the boat heavier at one end than the other, is also provided for; and the weight of a man walking from one end, of the boat to the other is also auto-matically compensated. So skilfully has everything about this nautical mar-vel been planned that not one item of her construction that could lead to the detection of her presence by an enemy has been overlooked. The Holland will have to come to the surface sometimes to renew her air supply, and when she does so, her gasolene engine will be

the three guns mounted by ine boat. It consists of two es joined at the breech end. mailer is put the powder and the s an intervening air space s up the force of the explo-hiloning, preventing the di-f the explosion from strain-al of the gun. to me to three miles away. To avert this the exhaust from the gas engine has been placed under water, where its sound is completely smothered. To prevent the propeller from being fouled a metal ring has been suspended on steel supports from the stern; and that the risk from being plerced by a rapid-fire projectile may be reduced to a min-mum, the boat awaits another to rise and dollars a shot

a steel superstructure.

CHRISTMAS STYLES FOR MEN. The Newest in Vests and Suitings as Seen in London and New York

During the Early Winter. Winter fashions fulfill the promise of fall, which was that bright colors should enliven the sombreness of the winter attire which custom has given the well dressed man. Never in the days of knee breeches and powdered wigs, have men dressed with as much cheerfulness as this season. Bright ties are worn all day, changing to cream and white at night. Gloves of brilliant hues, all the way from light grey to the brightest red, are seen, and in vests the art of the designer is al-lowed to run riot. The yest is an indication of the well

The vest is an indication of the well dressed man. For vests are worn to match the coat. The stamped velvet is sought for colder days; the Persian

made with cutaway coat and trousers to match, and worn with a fancy vest. To wear over it there is an overcoat of heavy grey goods, exactly match-ing the sult. This looks very rich, and while it is not any more expensive, conveys the impression of being so. Top coats are made in grey, brown, white Kersey and black. The black, in smooth goods with silk finish, is very fashlonable with velvet collar but without cuffs. Some of the most ele-gant overcoats are of shining black melton, lined with the most brilliant satin of finest texture, the sort that is warranted not to wear out in a sea-son.

The white melton coat is extremely The white melton coat is extremely modish, but it is expensive. Owing to the peculiar color of the cloth it can not be produced in cheap grades and it is possible to pay as high as \$15 for a coat. In very cold cities, such as Mon-treal and other places along the bor-der of the United States and Canada, they line the coat sleeves in such a way that there is a shirring of satin around the hand, protecting the wrists

THE NEW MAN OF WALL STREET.

John D. Rockefeller, Jr., is a Church Worker, a Brilliant Addition to the Money World.

While all the talk about matrimony While all the talk about matrimony and millions is going on, there lives in New York a young man who could, as the illppant expression is, "buy and sell" the others, yet whose thoughts are far from the general trend of a rich young man's mind. young man's mind.

John D. Rockefeller, Jr., one of the richest people in the world, is living out his daily life in New York City so quietly that few ever hear of him. The world of society sees him not at all, if one accents that curdents included.

HOLLAND DESCRIBES HIS OWN BOAT.

2979

He Says it can do all and More Than he has Claimed for it.

I have built six submarine boats. The first, in 1877, was 14 feet long, built for private purposes. The second, con-structed in 1879, was 32 feet long and i feat in dismarks. Description 6 feet in diameter. Boat number three was a working model, 16½ feet long by 30 inches in diameter. Number four was the Zalinski boat, 40 by 8 feet. Number five is 85 by 11½ feet, of 168 ions displacement.

was the Zalinski boat, 40 by 8 feet. Number five is \$5 by 11½ feet, of 163 tons displacement. Number six, the present boat, is \$3 feet long by 10 feet 3 inches in diam-eter. Her displacement is 75 tons. The first and greatest desideratum in a submarine boat is simplicity. Each man has one thing to do and nothing else. The crew of this boat consist of one pilot, one "operator" or assistant pilot, one electrician, one engineer and two torpedo experts. Six men can run this boat under any fleet of war ships, in any harbor, attack anything on land or sea, and at the same time disap-pear after each discharge of guns and always be out of reach of the enemy's fire. There is very much less danger in a submarine boat. If these boats be-come an established feature of marine and naval service, they will be used for carrying passengers through the rough sea between Dover and Calais. They are absolutely safe, and free from motion. Neither fogs nor storms can have any effect on them. There will be no collisions, for they sail far be-low the deepest ocean liners. The pas-sage across the English Channel can be made along the bottom of the sea in from one to two hours. With com-pressed air in steel tubes, such as we use in this boat, the ventilation will be perfect. These tubes stand a prespressed air in steel tubes, such as we use in this boat, the ventilation will be perfect. These tubes stand a pres-sure of 5,009 pounds to the square inch. When our boat goes to sea for busi-ness, she will carry one aerial torpedo thrower, one submarine gun, one Whitehead expulsion tube. Even when in action there will be no great in-convenience from recoil or the explo-sion. The indicators will show exactly where we are. If we approach land, a little bell rings the warning. It will be exactly like riding in a well-lighted. comfortably seated railway car through mfortably seated railway car through tunnel.

The difference between a boat of this type and an ordinary torpedo boat, which sails on the surface, is beyond words to express. In rough weather, life on a torpedo boat is horrible. Af-ter a rough trip the crew have to be sent to a hospital for treatment. In a gale such a boat could not live. We are indifferent to storms. We can ac-company a fleet of the biggest war ships in the wildest sea. Besides the quarters for the crew, we have a cabin 15 x 10 feet for the accommodation of experts or visitors who may accompany us. The temperature in the engine-The difference between a boat of this

us. The temperature in the engine-rooms of rams and torpedo boats is al-most insupportable. We shall be per-fectly cool, having the temperature of the sea surrounding the boat. While ships are covered with ice, we, deep in support of the sea of the sea with ice, we, deep in the sea, will be as comfortable as by our firesides at home. The boat will not be in danger of sinking, as she is always sunk. She cannot leak, because her double bottom is always filled with water for ballast.

to the son and marks him as a man of determination and character. The story of the Rockefeller rise is one that reads like a fairy tale. They say that in future these rises to for-tune in a decade will be impossible. But, when that story is told, just think of Barney Barnato-or of Cecil Rhodes -to select a man of the present, and of others of this day and generation who have made their money quickly by luck and judgment. Money chances, Mr. Rockefeller declares, will also be with-in the range of possibility for the for-tunate.

used in the Holland aerinches in diameter and enlong. Its cartridges contain 100 ds of dynamite or blasting gelaexploding by either a time fuse or





The force of an explosive taining this quantity of latine is so great that hunot exist within 150 yards explosion takes place. Id is 53 feet long and 10 in diameter at the widest She carries a crew of She carries a crew of galley, no berths, and imodations. Inside she mechanical ingenuity, lable space being takbuilt in the strongr. It is made of milled steel bolted longitudinal sections, resist the crushing When awash the dis-tons; the addition of in the compartments leet, and she cannot

navy, when she is hes through an air in 8 cylindrical reserling an equivalent at a pressure of 2,000 uare inch. The reser-along the sides of the cylinders, where it and 10 pounds preshour. efore it.

may not become lighter, and the surface when submerged. In weight caused by the disd'a torpedo, which would make to breathe.

The Holland has a cruising radius of 2,000 miles. She could take aboard 40 barrels of oil and go two-thirds of the distance across the Atlantic. Fitted with sleeping accommodations and cooking apparatus on a small scale, the with sleeping boat could go on an independent cruise for two months. As an auxiliary tor-pedo boat her value would be inesti-mable. She could approach a harbor or a ship to within a mile without be-ing seen, and could sink under water at that point to continue her deadly work, while a torpedo boat would be sighted

while a torpedo boat would be sighted by her smoke ten miles away. For the submerged condition motive power is supplied by 60 cells of stor-age battery. The current is transmit-ted to a 50-horse power electric motor, acting direct on a 4-inch shaft. On the surface the current is cut out and a gas engine of 150-horse power is used. To charge the storage batteries the mo-tor is converted into a dynamo and con-nected with the gas engine, the after section of the propeller shaft being thrown out of gear. Converted into a mator again, the main dynamo will yield an energy of 50-horse power for

BLACK SUEDE

GLOVES

from the wind. This is the custom with tailors who make coachmen's coats; and it is being somewhat copied one by the swells of New York, who find it very comfortable.

silk cloths are used for everyday wear; and for evening there is the vest of white pique which will be worn all winter. The white satin vest figured with fleur de lis is shown, and many Suede is greatly worn for gloves, wears well and is neat on the hand, neater than dogskin, but it is not so warm. Black suede is the glove of the minute, as the Prince of Wales hap-pens to be wearing it. The backs of the gloves are stitched in black silk, giving quite a sombreness to the hand. another design; and then there is the vast army of stripes and checks in cloth which are sold at such reason-able prices that all can buy. Vests can not wear out, but they can oil. They can also be cleaned so that The castor colors hold their own and threaten to drive out the browns and dark reds, though the bright reds will still be seen considerably. Where warmth is a desideratum, there are dogskins lined with a soft fleece. Hoves are now cut in the between sizes) that a man need not take a wild ump from a glove that pinches him to one that is like a mitten. He can buy i between size

THE NEW TROUSERS. Trousers are cut larger in the leg and the threatened tight leg has dis-

appeared for the time being. They are generous in their proportions and the fashionable trouser color is grey. Plain grey, the Admiral Dewey grey, is seen. It is on the pearl shading toward blue. But for business trousers there are

many variations of grey which are in vogue. One is the grey piald which is formed by the crossing and recrossing of many shades of grey in a cloth that is slightly rough. It has not the smooth ribbed finish of the trouserings with which all are familiar. Not with all the

hibed inish of the trousenings with which all are familiar. Yet with all the tendency toward plaids and checks there is always the striped design, run-ning up and down the, leg, and show-ing plainly through the checks. The man with one suit is fortunate this wither for he can true it. He can

this winter for he can vary it. He can, as the New York tailors tell their cus-

tomers, "mix it up," and still preserve his style. But he must not let if get frayed. There is no possibility for the trouser leg that is worn beyond re-

pair; but it may be said in this con-nection that, with the aid of a stitch

in time and the glue, used by tailors much can be done with the worn heel All the new suspenders are rather short, indicating that trousers are to be worn higher. That criterion of

be worn higher. That criterion of fashion, who must be mentioned ngain, the Prince of Wales, wears his trou-sers so short that they show his entire

sers so short that they show his entire boot heel, which is always highly pol-ished; and Admiral Dewey, who is rev-elling in the possession of a trousseau bought newly on land, also wears his trousers short. They show the heel and a bit of the back of the shoe, just a glimpse of the leather above the heel being seen to shine, as the Admiral walks. This is neat and preserves the

walks. This is neat and preserves the

trousers.

one accepts that curious circle of very learned persons with whom the Rocke-fellers have always identified them-selves. Of matrimony John D. Rocke-feller, Jr., thinks nothing, or if he has thoughts toward a fireside of his own, he breathes them not to his friends. A great flutter was produced in Wall Street the other day by the semi-offi-cial announcement that young Rocke-feller had gone into leather and the sud-den rise of that commodity 'hree weeks ago was at once traced to the young man's door. He came out at the end

accepts that curious circle of very tunate.

John D. Rockefeller, Jr., was born when the family millions were begin-ning to pile up, and he has never known the taste of aught than luxury; never-theless he is very careful of his money and modest in his tastes.

TO

he breathes them not to his friends. A great flutter was produced in Wall Street the other day by the semi-offi-cial announcement that young Rocke-feller had gone into leather and the sud-den rise of that commodity 'hree weeks ago was at once traced to the young man's door. He came out at the end of the day many times richer, and Wall Street gossipped again. Would his career be a meteoric one, similar to that of young Leiter; or would he work slowly but surely and steadily, grad-ually developing into another Sage, one who could succeed the Old Man of Wall Street? of the first Bible students of the world.



JOHN D. ROCKEFELLER, JR., THE NEW LIGHT OF WALL STREET, IS ONE OF THE RICHEST YOUNG MEN IN AMERICA.

lected. There is a history connected with this Producted or has

In using the torpedo thrower, the re-coil from the gun pushes the boat back into the water out of sight, so that sh-cannot be located by the enemy. The twenty-one tons of electrical storage batteries in the bottom of the boat, all ways keep her right side up, the centra



THE WASH VEST OF PIQUE AND CHEVIOT WILL BE WORN ALL WINTER.

of gravity being always under the cen-tre of buoyancy. In our fity-three foot boat we carry enough gasolene fuel in tanks surrounded by sea water to make a 5,000-mile voyage. The telescopic tur-ret can be projected three feet above water in from one to two seconds. The pilot inside can thus obtain a view of his surroundings. When that is im-possible, the camera-obscura thrust above the water will throw a picture of the harbor or sea for miles around of the harbor or sea for miles around -throw it down a tube on a sheet of white paper giving a photographic view of all that is going on above the sea. JOHN P. HOLLAND.

RUSSIA'S CORONATION OIL. RUSSIA'S CORONATION OIL. The oil used at the coronation of Russia's Czars is not of an ordinary kind. It is prepared with elaborate ceremony. It is made only once in three years, and is used only for three purposes—namely, the baptism of royal babes, the crowning of the Czar and the consecration of the Metropolitan. It is called chrism oil. or myro and is It is called chrism oll, or myro, and is always made at Moscow or Kief. The oll is kept boiling for three days

and nights without intermission, be-ing stirred continually with silver ladles in the hands of priests. After this the oil is put into two silver caldrons and placed upon a porcelain stove, where it is stirred by six deacons, ar-rayed in black and silver vestments. This oil is supposed to possess mirac-

ulous curative powers, and great crowds of people bring bits of cotton or wool to dip into the holy mixture. The vases filled with the oil are carried in great state to the Cathedral of the Assumption, where mass is said by the Metropolitan.

six hours, or 120-horse power for one hour. In addition to the main motor there are numerous auxiliary motors. One cloth. Oxford coats and vests are worn

THE PRINCE OF WALES IS WEARING FANCY VESTS OF VELVET AND

CLOTH WITH SUITS OF DARK GRAY AS WELL AS WITH THE

FULL DRESS SUIT.

The property before it is given vent for of the boat for breathing broard part of the boat is a tanks having a capacity of 5 is used by the engines, its automatically displaced by weight of water, in order that a not become lighter, and ated by constant breathing. Still a third motor of 10-horse power com-

the seat of men's fashions, even as Paris is the centre of women's fashions, presses the air into the reservoirs, when is the making of a top coat or over-the vital machine comes to the surface coat to match the undercoat. Take a winter suit of grey mixed goods. It is stores.

dealers must do likewise. The columns of this newspaper are cloth. Oxford coats and vests are worn with striped trousers, Oxford coats are worn with figured vests and grey trou-sers; and then there is the entire suit of Oxford, which is also fashionable. TOP COATS. The very latest wrinkle from London, the seat of men's fashions even sa



dealers must do likewise. The columns of this newspaper are very good guides to purchasers. You can read, on another page, exactly where to buy your winter suit and how much it ought to cost you. You can also suit yourself with the styles and can decide where and at what expense you can get a suit like the one worn by the Prince of Wales, or where you can get a good up-to-date business suit. After you have read this, read our ad-vertisements for the men's clothing stores. The columns of this newspaper are very good guides to purchasers. You can read, on another page, exactly where to buy your winter suit and how much it ought to cost you. You can also suit yourself with the styles and can decide where and at what expense you can get a good up-to-date business suit. After you have read this, read our ad-vertisements for the men's clothing stores. The this newspaper are ings he played second violin to his father's first; and when his mother was tired at the plano he took her place. People who live along Fifth Avenue

