THE TABERNACLE SERMON.

"THE WOMEN WHO FIGHT THE BAT-TLES OF LIFE ALONE."

Woman is an Independent Creation and is Able to He Her Own Supervisor and Achieve Her Own Destiny-The Story of the Dove and the Vulture.

BROOKLYN, Jan. 8.—The Rev. T. DeWitt Talmage, D. D., preached at the Tabernacle this morning the first of a series of sermons to the women of America, with practical hints for men. The subject of this discourse was, "The Women Who Fight the Battle of Life Alone," and the text was from Proverbe ziv, 1: "Every wise woman buildeth her house." Dr. Talmage said:

Woman, a mere adjunct to man, an appendix to the masculine volume, something thrown in to make things even—that is the neresy entertained and implied by some men. This is evident to them: Woman's insignifiance, as compared to man, is evident to them, because Adam was first created and then Eve. They don't read the whole story or they would find that the porpoise and the nd the hawk were created before Adam, that this argument drawn from priority of creation might prove that the sheep an the dog were greater than man. No! Woman was an independent creation, and was intended, if she chose, to live alone, to walk alone, act alone, think alone and fight her battles alone. The Bible says it is not good for man to be alone, but never says it is not good for woman to be alone; and the simple fact is that women who are harnessed for life in the marriage relation would be a thousandfold better off if they were alone. God makes no mistake, and the fact that there is such a large majority of women in this land, proves that he intended that multitudes of them should go alone.

Who are these men who year after year ung around hotels and engine houses and satre doors and come in and out to bother busy clerks and merchants and mechanics ing nothing even when there is plenty to They are men supported by their wives and mothers. If the statistics of any of our cities could be taken on this subject you would find that a vast multitude of women not only support themselves but masculines. A great legion of men amount to nothing and a woman by marriage manacled to one of these nonentities needs condolence. A woman standing outside the marriage relation is several hundred thousand times better off than a woman badly married. Many a bride instead of a wreath of orange blossoms might more properly wear a bunch of nettles and nightshade, and instead of the Wedding March a more appropriate tune would be the Dead March in Saul, and instead of a banquet of confectionery and ices there might be more appropriately spread a table covered with apples of Sodom, which are outside fair and inside ashes.

Many an attractive woman of good sound sense in other things has married one of these men to reform him. What was the result? Like when a dove noticing that a vulture was rapacious and cruel set about to reform it and said: "I have a mild disposition, and I like peace, and was brought up in the quiet of a dove cote, and I will bring the vulture the same liking by marrying him." So e day after the vulture had declared be would give up his carnivorous habits and cease longing for blood of flock and herd, at in altar of rock covered with moss and ichen, the twain were married, a bald headed agle officiating, the vulture saying: "With dl my dominion of earth and sky I thee en-low, and promise to love and cherish till leath do us part." But one day the dove, in her flight, saw the vulture busy at a carcas-and cried: "Stop that: did you not promise me that you would quit your carnivorous and filthy habits if I married you?" "Yes," said the vulture, "but if you don't like my way you can leave," and with one angry stroke of beak and another fleree clutch of stroke of beak and another heree ciuten or claw the vulture left the dove eyeless and wingless and lifeless. And a flock of robins flying past cried to each other and said: "See that comes from a dove's marrying a

Many a woman who has had the hand of a roung inebriate offered, but declined it, or who was asked to chain her life to a mass elfish or of bad temper, and refused the backles, will bless God throughout all ternity that she escaped that earthly pande-

Besides all this, in our country abo 1,000,000 mea were sacrificed in our civil war, and that decreed a million women to celibacy. Besides that, since the war, several armies of men as large as the Federal and Confederate armies put together have fallen under malt liquors and distilled spirits so full of poisoned ingredients that the work was done more rapidly, and the victims fell while yet young. And if 50,000 men are destroyed every year by strong drink before marriage, that makes in the twenty-three years since the war 1,150,000 men slain, and decrees 1,150,000 women to celibacy. Take then the fact that so many women are unhappy in their marriage, and the fact that the slaughter of 2,150,000 men by war and rum combined decides that at least that number of women shall be unafflanced for life, my mes in with a cheer and a potency and appropriateness that I nover saw in it before when it says, "Every wise woman buildeth her house," that is, let woman be her own architect, lay out her own plan, be her own tupervisor, achieve her own destiny. In addressing these women who will have

In addressing these women who will have to fight the battle of life alone, I congratulate you on your happy escape. Rejoice forever that you will not have to navigate the faults of the other sex, when you have faults enough of your own. Think of the bereavements you avoid, of the risk of unassimilated nper which you will not have to run, of the cares you will never have to carry, as of the opportunity of outside usefulness fro arital life would have partially debarred you, and that you are free to go and some as one who has the responsibilities of a household can seldom be. God has not given household can seldom be. God has not given you a hard lot as compared with your sisters. When young women shall make up their minds at the start that masculine companionship is not a necessity in order to happiness, and that there is a strong probability that they will have to fight the battle of life alone, they will be getting the timber ready for their own fortune, and their saw and ax and plane sharpened for its construction, since "every wise woman buildeth her house,"

As no boy ought to be brought up without learning some business at which he could sarn a livelihood, so no girl ought to be brought up without learning the science of self support. The difficulty is that many a family goes sailing on the high tides of success, and the husband and father depends on his own health and acumen for the welfare of his honsehold, but one day he gets his feet of his honsehold, but one day he gets his feet wet, and in three days pneumonia has closed his life, and the daughters are turned out on a cold world to earn bread, and there is nothing practical that they can do. The friends of the family come in and hold con-

"Give music lessons," says an outsider.

s, that is a useful calling; and if you have

sat genius for it go on in that direction

Hut there are enough music teachers now starving to death in all our towns and cities to ownpy all the plane stools and sofas and chairs and front doorsteps of the city. Be-size that, the daughter has been playing only for amusement and is only at the foot of the labler, to the top of which a great multitude of masters on plane and harp and flute and organ have climbed.

Put the bereft daughters as saleswomen stores," says another adviser. But there they must compete with salesmen of long experience or with men who have served an apprenticeship in commerce, and who began shop boys at 10 years of age. Some kind hearted dry goods man having known the father, now gone, says: "We are not in need of any more help just now, but send your daughters to my store, and I will do as well by them as possible." Very soon the question comes up: Why do not the female on the company of that satablishment get as much ployes of that establishment get as much wages as the male employes? For the simple reason in many cases the females were suddealy flung by misfortune behind that r, while the males have from the day they left the public school been learning the

How is this evil to be cured? Start clear back in the homestead and teach your daugh ters that life is an earnest thing, and that there is a possibility, if not a strong prob-ability, that they will have to fight the battle of life alone. Let every father and mother say to their daughters: "Now, what would you do for a livelihood if what I now own were swept away by financial disaster, or old age or death should end my career."

"Well, I could paint on pottery and do such decorative work." Yes, that is beautiful, and if you have genius for it go on in that direction. But there are enough busy at that now to make a line of hardware from here to the East river and across the bridge.

Well, I could make recitations in public and earn my living as a dramatist. I could render 'King Lear' or 'Macbeth' till your hair would rise on end, or give you 'Sheridan's Ride' or Dickens' 'Pickwick.'" Yes, that is a beautiful art, but ever and anon, as now, there is an epidemic of dramatization that makes hundreds of households nervous with the cries and shricks and groans of young tragedians dying in the fifth act, and the trouble is that while your friends would like to hear you, and really think that you could surpass Ristori and Charlotte Cushman and Fannie Kemble of the past, to say nothing of the present, you could not, in the way of liv-

ing, in ten years earn ten cents.

My advice to all girls and all unmarried women, whether in affluent homes or in homes where most stringent economies are grinding, to learn to do some kind of work that the world must have while the world stands. I am glad to see a marvelous change for the better, and that women have found out that there are hundreds of practical things that a woman can do for a living if she begin soon enough, and that mer have been compelled to admit it. You and I can remember when the majority of occupations were thought inappropriate for women, but our civil war came and the hosts of men went forth from north and south, and to conduct the business of our cities during the patriotic absence, women were demanded by the tens of thousands to take the vacant places, and multitudes of women who had been hitherto supported by fathers and brothers and sons, were compelled from that time to take care of themselves. From that time a mighty change took place, favorable

to female employment.

Among the occupations appropriate for women I place the fellowing, into many of which she has already entered, and all the others she will enter:

Stenography, and you may find her at nearly all the reportorial stands in our educa-tional, political and religious meetings. Savings banks, the work clean and be

able, and who so great a right to toil there, for a woman founded the first savings bank, Mrs. Priscilla Wakefield!

Copyists, and there is hardly a professional d the service of he penmanship, and, as amanuensis, many of the greatest books of our day have been dictated for her writing.

There they are as florists and confectioners and music teachers and stationers and bookkeepers for which they are specially qualified by patience and accuracy; and wood engrav-ing, in which the Cooper Institute has turned out so many qualified; and telegraphy, for which she is specially prepared, as thousands of the telegraphic offices would testify Photography, and in nearly all our establish-ments they may be found there at cheerful work. As workers in ivory and gutta percha and gum elastic and tortoise shell and gilding and in chemicals, in porcelain, in terra cotta, in embroidery.

As postmistresses, and the president is giving them appointments all over the land.

As keepers of lighthouses, many of them, if they had the chance, ready to do as brave a thing with oar and boat as did Ida Lewis and o Darling.

ers, as designers, as draughtswomen, as lithographers, as teachers in schools and semi-naries, for which they are especially endowed, the first teacher of every child, by divine ar-

rangement, being a woman.

As physicians, having graduated after a regular course of study from the female colleges of our large cities, where they get as scientific and thorough preparation as any doctors ever had, and go forth to a work which no one but women could so appropriately or delicately do.

On the lecturing platform, for you know the brilliant success of Mrs. Livermore and Mrs. Hallowell and Mrs. Willard and Mrs.

As physiological lecturers to their own sex, for which service there is a demand appalling and terrific.

As preachers of the Gospel, and all the prothem, for they have a pathos and a power in their religious utterances that men can never reach. Witness all those who have heard

O, young women of America! as many of you will have to fight your own battles alone, do not wait until you are flung of disaster, and your father is dead, and all the resources of your family have been scattered, but now, while in a good house and environed by all prosperities, learn how to do some kind of work that the world must have as long as the world stands. Turn your attention from the embroidery of fine alippers, of which there is a surplus, and make a useful shoe. Expend the time in which you adorn a cigar case in learning how to make a good, honest loaf of

bread. Turn your attention from the making of flimsy nothings to the manufacturing of important somethings.

Much of the time spent in young ladies' Much of the time spent in young ladies' seminaries in studying what are called the "higher branches" might better be expended in teaching them something by which they could support themselves. If you are going to be teachers, or if you have so much assured wealth that you can always dwell in those high regions, trigonometry, of course; metaphysics, of course; Latin and Greek and German and French and Italian, of course, and 100 other things, of course; but if you are not expecting to teach, and your wealth is not established beyond misfortune, after you have learned the ordinary branches, take hold of that kind of study that will pay in dollars and cents in case you are thrown on your own resources. Learn to do some thing better than anybody else. Buy Virginia Penny's book entitled "The Employ-ments of Women," and learn there are 500 ways in which a woman may earn a living.

'No, no!" says some young woman, I will not undertake anything so unromantic and commonplace as that. An excellent author writes that after he had, in a book, argued for efficiency in womanly work in order to success, and positive apprenticeship by way of preparation, a prominent chemist adverto become druggists and apothecaries if they would go through an apprenticeship as men do, and a printer advertised that he would take a class of women to learn the printer's trade if they would go through an appren-ticeship as men do, and how many according to the account of the authoress do you sup-pose applied to become skilled in the druggist dness and printing business! Not one! One young woman said she would be willing to try the printing business for six months, but by that time her older sister would be married, and then her mother would want her at home. My sisters, it will be skilled womanly labor that will finally triumph,

"But," you ask, "what would my father and mother say if they saw I was doing such unfashionable work!" Throw the whole responsibility on the pastor of the Brooklyn Tabernacle, who is constantly hearing of roung women in all these cities who, unqualfiled by their previous luxurious surroundings for the awful struggle of life into which they have been suddenly hurled, seemed to have nothing left them but a choice between starvation and damnation. There they go along the street at 7 o'clock in the wintry mornings through the slush and storm to the place where they shall earn only half enough for subsistence, the daughters of once prosperous merchants, lawyers, clergymen, artists, bankers and capitalists who brought up their children under the infernal delusion that it was not high toned for women to learn a profitable calling. Young women take this affair in your own hand and let there be an insurrection in all prosperous families of Brooklyn and New York and Christendom on the part of the daughters of this day, demanding knowledge in occupations and styles of business by which they may be their own defense and their own support if all fatherly and husbandly and brotherly hands forever

I have seen two sad sights-the one a wo man in all the glory of her young life stricken by disease, and in a week lifeless in a home of which she had been the pride. As her hands were folded over the stil heart and her eyes closed for the last slumber, and she was taken out amid the lamentations of kindred and friends, I thought that was a sadness immeasurable. But I have seen something compared with which that scene was bright and young woman who had i wealthy surroundings en all her da and bankruptey to the by the visit of household turned out on a cold world without one lesson about how to get for the celter, and into the awful whirlpool of any life where strong ships have gone down, and for twenty years not one word has been heard from her. Vessels last week went out on the Atlantic ocean looking for a shipwrecked craft that was left alone and forsaken on the sea a few weeks ago, with the idea of bringing it into port. But we shall ever bring again into the harbor of 200 and hope and aven that lost womanly immortal, driven in what tempest, aflame in what conflagra tior, sinking into what abyss? O God, help, O Christ, rescuel.

My sisters, give not your time to learning fancy work which the world may dispense with when hard times come, but connect your skill with the indispensables of life. The world will always want something to wear and something to eat and shelter and fuel for the body, and knowledge for the mind, and religion for the soul. And all these things will continue to be the necessaries, and if you fasten your energies upon occupations and professions thus related the world will be unable to do without you. Remember that in proportion as you are skillful in anything your rivalries become loss. For unskilled toil, women by the mil lion. But you may rise to where there are only a thousand; and still higher till there are only a hundred; and still higher till there are only ten; and still higher in some particular department till there is only a a unit, and that yourself. For a while you may keep wages and a place through the kindly sympathies of an employer, but you will eventually get more compensation than

you can make yourself worth. Let me say to all women who have already entered upon the battle of life that the time is coming when woman shall not only get as much salary and wages as men get, but for certain styles of employment women will have higher salary and more wages for the reason that for some styles of work they have more adaptation. But this justice will come to woman, not through any sentiment of gallantry, not because woman is physically weaker than man and therefore ought to have more consideration shown her, but be-cause through her finer natural taste and more grace of manner and quicker perception and more delicate touch and more educated adroitness she will, in certain cailings, be to her employer worth 10 per cent. more or 20 per cent, more than the other sex. She will not get it by asking for it, but by earning it, and it shall be hers by lawful con-

Now, men of America, be fair and give the women a chancel Are you afraid that they will do some of your work and hence harm your prosperities? Remember that there are cores of thousands of men doing women's work. Do not be afraid! God knows the end from the beginning and he knows how many people this world can feed and shelter, and when it gets too full he will end the world and if need be start another. God will halt the inventive faculty which, by producing a machine that will do the work of ten or twenty or a hundred men and women, will leave that number of people without work. I hope that there will not be invented another sewing machine or reaping machine or corn thresher or any other new machine for the next 500 years. We want no more wooden hands and iron hands and steel hands and electric hands substituted for mea and women who would otherwise do the work and get the pay and earn the livelihood.

But God will arrange all, and all we have to do is to do our best and trust him for the rest, Let me cheer all women fighting the battle of life alone, with the fact that thousands of women have in that way won the day. Mary Lyon, founder of Mount Holyoake female seminary, fought the battle alone; Adelaide Newton, the tract distrib-utor, alone; Fidelia Fisk, the consecrated missionary, alone; Dorothea Dix, the angel of the insane asylums, alone; Caroline Her chel, the indispensable re-enforcement of her brother, alone; Maria Takrzewska, the beroine of the Berlin hospital, alone; Helen Chal-mers, patron of sewing schools for the poor of Edinburgh, alone. And the burgh, alone. And thousands and tens of thousands of women of whose bravery and self sacrifice and glory of character the world has made no record, but whose deeds are in the heavenly archives of martyrs who fought the battle alone, and, though unrecognized for the short thirty or fifty or eighty years of their earthly existence, shall, through the quintillion ages of the higher world, be pointed out with the admiring cry: "These are they who came out of great tribulation

and had their robes washed and made white by the blood of the Lamb.

Let me also say for the encouragement of all women fighting the battle of life alone, that their conflict will soon and. There is one word written over the faces of many of them, and that word is Despair. My sister, you need appeal to that Christ who comforted the sisters of Bethany in their domestic trouble, and who in his last hours forgot all the pangs of his own hands and feet and heart as he looked into the face of maternal anguish and called a friend's attention to it, in substance, saying: "John, I cannot take care of her any longer. Do for her as I would have done if I had lived. Behold thy mother? If under the pressure of unrewarded and unappreciated work your hair is whitening and the wrinkles come, rejoice that you are nearing the hour of escape from your very last fatigue, and may your departure be as pleasant as that of Isabella Graham, who closed her life with a smile and the word "peace," The daughter of a regiment in any army is all surrounded bayonets of defense, and in the battle, oever falls, she is kept safe. And you are e daughter of the regiment commanded by the Lord of Hosts. After all you are not fighting the battle of life alone. All heaven on your side. You will be wise to appropriate to yourself the words of sacred rhythm:

One who has known in storms to sail I have on board; Above the roaring of the gale I hear my Lord. He holds me; when the billows smite

I shall not fall.
If short, 'tis sharp; if long, 'tis light; He tempers all

ITEMS OF ALL SORTS.

A New York dressmaker hires out sealskin neks for the season.

Bull fights at the capital of Mexico will be hereafter permitted only on holidays. An interoceanic railway between Vera Cruz and Acapulco is to be built by English

The pneumatic postal service is being es

tablished at Buenos Ayres. It is like that now in use in Paris. The enormous deposits of granite of excellent quality in County Donegal, Ireland, are

about to be developed. Opium has been declared a government monopoly in Peru, and the right to import and sell it is now offered for sale.

A young lad not yet in his teens was recently sentenced to a term in jail at Moulins, France, for stealing a cake worth one cent. A Marshall hunter stuffs birds by using arsenic and blowing the skins full of air.

has an owl stuffed in this manner which resembles an inflated balloon covered with feathers. A massive mound builder's pipe has be found near Liberty, Tenn. The bowl is

beautifully carved from hard stone, resem-bling granite, and holds nearly half a pint of Public meetings in favor of early closing are being held in London. It is alleged that the average hours of English shop girls and clerks are from thirteen to fourteen a day.

There is an early closing bill now before parliament. A St. Paul man sued a railroad company for damages for causing his house to be flooded with water. One of the exhibits in the plaintiffs evidence was a photograph

epresenting him seated on a huge cake of ice in his dining room. Hugo, Cal., has been so overrun by rats that a citizen there wrote to a friend in Wichita asking him to send on all the cats be could find. The Wichita man has shipped 50 rat catchers, and says that he will send

1,000 unless he hears that Hugo is supplied. A mill in Carlton, Mich., recently burned entire conflagration the big engine ran steadily, and so in some way was saved from destruction. The working of the engine kept the pumps going, so the boilers were kept supplied with water and there was no explosion.

A number of Bradford, England, firms dealing with large houses in Germany and other continental countries have received notice that after a certain date Volapuk will be systematically used by their continental customers for the purpose of international correspondence.

All the training schools for nurses in Philadelphia are free. This is one profession for women that is not overcrowded and where women can earn good wages. The chief qualifications are good health, good temper, general intelligence and a fair common school education.

The proprietor of a Kansas City restaurant began some years ago to pick out and pre-serve all the old coin that found its way into his cash drawer, and he now has a collection of great value. Some of the coins are ex-tremely rare and could be sold for many times their face value.

The United States Postal Improvement as sociation, which has just been formed, desires the reissue of fractional currency for use in the mails, the abolition of postal notes, the issue of postal orders for small sums at reduced rates and the passage of laws of special interest to farmers and fruit growers.

Some time ago the government of Colombia offered \$10,000 in silver to any one who would discover a new merchantable article of export. Rafael Vanegas thinks that he erves the reward, or two of them, because he has discovered a valuable medicinal plant, hitherto unknown; and also has ascertained that cocoa trees abound in such profusion in the forests along the river Guabiare, that the gathering of their pods would furnish work for thousands who are now idle, and bring great wealth to the country.

Thought It Was a Ghost.

Two residents of Chapman Quarries, Northampton county, Pa., who were returning to their homes late at night, were very badly frightened at what they supposed was a ghost. They saw a white object in a corner on a lonesome road, ran to the hotel, a distance of 100 yards, burst in the door, cried for help, frightened the inmates, and were nearly scared to death. The burgess was hustled out of bed, and accompanied the young men to the spot where the alleged ghost was seen, but the specter find disappeared. The object was a young lady dressed in white, who had been to an evening party. She saw the young men coming, and stepped into the corner to let them pass on.

A Casket for the Queen A casket presented to the queen of England recently, worked by members of the Society of Decorative Art Needlework, is made of wood covered with green velvet, which is divided into panels and beautifully embroidered in silk and gold thread. The ornamentation consists of conventionalized flowers and gold scrolls, and royal arms and monogram on the front, and a short inscripwith the date of presentation on the back. The casket stands on eight gold feet .-Chicago Herald.

The Kansas City board of education has decided to make the study of Spanish compulsory in the city high schools.

New Business for Girls.

A reporter clambered up two dark flights of stairs, at 147 Mulberry street one day last week in answer to the following advertisa-

"A few girls that understand cracking and picking different kinds of nuts. 147 Mul!

berry street, second floor." A knock at a rough pine wood door was answered by a picturesque looking Italian girl. "The signor is not in," she said before the reporter could ask her any questions. The room in which she was standing was occupied by a number of long benches, at which sat half a dozen girls of differ-ent ages, with sharp pointed knives in their hands. All were busily engaged in picking the kernels from a pile of pecan nuts. A strong Italian man stood at a queer looking machine, in which there was a brass plate containing holes similar to those in a Gatling gun. Into these he kept throwing the pecan nuts as it revolved at great speed. The nuts were cracked in a twinkling and dropped into a box below. Presently the proprietor

"This is a new business for this section of the country," he said, "but down south, where I came from, it is carried on quite extensively. We sell the kernels to confectioners. Pecan nuts are being used more than any others now. We have hitherto exper-ienced great difficulty in getting girls to work for us, as they do not seem to understand what we want. We pay them eight cents a pound, and with a little practice they can make good wages."-New York Sun.

An Interesting Club Story.

There is a very good club story going the rounds just now. It appears that there are two members of Boodle's whose titles are very much alike, one being an earl and the other a viscount by courtesy. Now it happened that the peer before going on a sport ing expedition into a far country arranged that all telegrams addressed to him at the club should be cabled on. The other evening the viscount entertained a small party of friends at dinner at the club, when it was proposed that the evening should be finished up at the theatre, so a telegram inquiring if box could be had was sent to the Gaiety. Through some mistake, the reply message was andressed to the earl, and in due course it was repeated on to him. He happened to be shooting in the "Rockies" at the time, and the telegram had to be conveyed to him by relays of messengers on horseback. Much excitement was caused by its arrival, and who know but that it might contain a communication from the prime minister? But it only conveyed the information that a box at the Gaiety had been reserved for a performance three days before. The message cost about £30,—London Table.

Another Alpine Tunnel.

The construction of another Alpine tunnel through the Simplon, as a rival of the successful St. Gothard, has for some time been talked about in Paris. It is estimated that the Simplon tunnel would shorten the time between Paris and central and southern Italy by three hours, as compared with the St. Gothard line, and the gain over the Mont Cenis route would be still greater. According to the representations the length of the contemplated tunnel would be about twelve miles, and the whole work could be accomplished in from four to six years; it would be the longest tunnel in the world, and require extraordinary provisions for its suitable ventilation, though this object could be attained, it is believed, by means of a horizontal air shaft above the crown of the tunnel and running its entire length, connecting y a series of vertical shafts with the atmosphere above the mountain. Pumping engines would not only keep the air constantly renewed, but would draw off the water which otherwise would steadily accumulate in the tunnel. The cost of this work is estimated at about \$16,000,000.

Hull of a Fast Vessel.

After many years of experimenting, with the object of increasing the speed of vessels and lessening their draft by a change in the formation of the hull, a Pennsylvania inrentor has succeeded in constracting a boat which he claims fulfills the desiderata so long sought, and is in entire accordance with true scientific theory. This boat, which is some thirty-six feet long, is of the shape known as the concave bottom, the hull being built in a right and left hand spiral form from the bow to the middle section. The conformation of the hull in this case is such as to displace water in a manner closely approximating to the wave line theory, beginning at the cut water, the displacer being accomplished gradually until the center of the boat is reached, when the reverse action of displacement begins; the concave begins where the convex ends. The greater the speed the greater the lifting power, the boat rising on the water, and consequently moving with greater speed with-out any increase of power.—Chicago News.

Turtles of Lower California.

The coasts of lower California abound with huge turtles, which weigh from 300 to 400 pounds each. Down at Punta Banda, where a company is building a big hotel, one of the workmen, who is an expert swimmer and who spends much time in the water, has become skillful in riding the big animals. A traveler says that when the man sees one that is big enough to ride, he rushes into the water and mounts it. He has a way of slapping the turtles on the side of the head that makes them jog along, and, by striking them, he also guides them. He rode a big fellow near the shore the other day as the stage drove up the coast road, and the occupants of the stage were so pleased with the exhibition that they made up a purse of \$20 for the rider,-New York Sun.

Etching or Stained Ivory. Entirely new this season is etching on stained ivory. Exceedingly artistic effects are gained in ivory articles, decorated with silver trimmings, etched in a design that is continued from the silver on to the ivory. Hunting scenes appear to be favorites, especially in the etched decorations; just as articles pertaining to sports are favorite models for small articles like glove and shoe buttoners and the handles of paper knives. A set of silver buttoners is made this season simulating in every detail the whips used in the hunt. It is thought these toy affairs will prove exceedingly popular among ladies who affect the chase and other outdoor sports.-Jewelers' Circular,

The " Prizes of Virtue."

The French Academy the other day dis-tributed the annual "prizes of virtue." The Montyon prize of 2,000 francs was awarded to Jean Adolphe Delannoy, a Calais pilot, who has twenty-one times risked his life in saving shipwrecked crows. Delannoy is loaded with medals, and wears the cross of the Legion of Honor. The academy now proclaims him the most heroic and devoted of Frenchmen. The other awards included 1,000 francs to Mr. Bonaparte Wyse for his survey and book on the Panama canal. - New

Two new steamers now being built in Belfast will have regular family suites, consisting of sleeping and sitting rooms and private bath rooms. BURIED CITIES OF ARIZONA.

Ruins of a Civilization Said to Antedate the Pyramids.

The Hemenway expedition, under the direction of Frank Cushing, has been at work for several months and has excavated the ruins of a city three miles long and two miles wide. The excavations are not continuous, but have been made at various points along the main street and at the limits of the town, the extent of which is clearly established. Cushing acquired from the Zuni Indians, among whom he has lived for some years, the knowledge of customs and traditions which enabled him to find the buried cities of the Sait River valley. The first one excavated is called Los Muertos, the city of the dead. Others that have been partially explored are El Pueblo de los Hornas, the city of ovens; El Ciudad de los Pueblitos and El Pueblo de los Piedras. But these are only a part of the chain of cities that once covered the desert. There are nineteen buried cities in the Salt River valley alone, and Los Muertos, which had a population of at least 10,000, is one of the smallest. The entire valley was once a system of cities with adjacent farms, and up in the mountains are sacrificial caves and pueblos of stone, many of which never have een explored and are entirely unknown to the wandering tourist and sightseer.

The people who lived in these cities were

not Aztecs, as has been supposed. They were of the race that preceded the Aztecs, and had upon this continent a civilization older than the pyramids. This is proved by the human remains and relics found in the houses that have been dug out. Ethnological research prosecuted by Mr. Cushing by the comparaive method demonstrates that the dwellers of the plain were Toltecs, and that they reached a high state of civilization many centuries before the Aztecs appeared. They were probably of Asiatic origin, but not Mongoloid. The Indian of the Pacific coast appears to be Mongoloid and a later immigrant from Asia. The age of the Toltee ruins is reckoned in thousands of years.

The ruins of Los Muertos are being thoroughly examined, because they are typical, and also because they have been buried, and therefore protected from the ravages of time, tourists and ranchers. Twenty-two large blocks of buildings have been uncovered, and three car loads of relics have oeen sent to Boston. These relics consist of pottery, implements and skeletons. One of the ruined buildings measures 400 by 375 feet, another is 480 feet long, and many of the buildings are 300 feet square. The adobe walls are sometimes seven feet thick and two stories high. Connected with each building is a pyral mound, around the base of which are the funeral urns containing the ashes of cremated Toitees. Entrance to the buildings were sometimes through doorways and some times through holes in the roofs. Each building was divided into a great number of small rooms, indicating a large popula-tion to each block. The roofs were of concrete, supported by timbers, and most of them have fallen in. Here and there the concrete remains in position, retaining an impression of timbers that have disappeared

It is evident that these cities were destroyed by earthquakes. In most cases the roofs have fallen in and the side walls have fallen outward. Time has disintegrated the adobe blocks, and the rains have spread the material so evenly that the buildings are indicated only by slight irregularities in the surface. The work of excavation is simply to clear away the surface material. That the cities were suddenly overthrown is proved by the finding of skeletons under the fallen roofs and walls in positions indicating violent deaths. One skeleton, photographed as found, shows that the man was caught under the falling roof and thrown upon his face. His chest is pushed forward by the weight, and his right hand, stretched out as is crush flattened. The large number of bodies found proves that the calamity was widespread and complete,-Cor. New York Sun.

Keely and the Occult Powers.

Mme. Blavatsky's opinion of Keely and ais motor ought to be as good as anybody's. She wrote substantially this about them two years ago: "Keely is a psychic, and has discovered something of the power he claims, but he relates it to the wrong source, and is, and will be, unable to communicate it to others. Were he to succeed he would be known as the benefactor of the rich, and the rich would destroy society as it exists. The guardians of occultism do not permit a mighty power such as Keely has discovered to exist in sound to become the property of a race until it is further advanced in things spiritual than is ours. Humanity will have to travel forward thousands of years before sound—one of the greatest powers in nature -is fully comprehended, and Keely will have to be reincarnated again, and perhaps several dozen times before he can realize the practical uses of vibratory sympathy."-New York Sun.

Ingenious Method of Smugglers.

Adolph Silverstein, said to be a New Yorker, and two partners were tried in London on Tuesday for smuggling, and the evidence disclosed an ingenious plan for evading the English duty. The tobacco in question was valued at £1,700, and the duty on it would have been £1,600. It was put up in cotton bales and shipped as cotton. Holes were made in the bales and little tufts of cotton placed in them to better carry out the deception. On the voyage over the holes were widened by rats, and the customs inspectors at Liverpool probed them and discovered the tobacco. They allowed the shipment to go on to London and then arrested the three men who claimed the "cotton."-Chicago

To Traverse Greenland.

The director of the public museum at Bergen, Norway, Scientist Nansen, is about to make a voyage of exploration of a peculiar kind. He wants to traverse Greenland from east to west. Landing at Cape Dan he will proceed on skates to the interior, attempting to reach the western coast near the bight of Dirko. Two Laplanders and one Norwegian will accompany him. Provisions will be transported on sleds. The distance of 400 miles Nansen expects to travel in less than twenty days. The expenses of the undertaking will be raised by public subscription.

A Peculiar Railroad Accident.

A driving wheel of a locomotive that was drawing a passenger train burst recently near Milford, Pa. One piece whizzed past the fireman's head and passed, screaming like a shell from a cannon, through the baggage car, the smoking car, and a passenger coach without doing injury to any person on the trair. The train was running at the rate of forty miles an hour when the accident occurred.-New York Sun.

Money for Released Prisoners. A good deal of money is taken in by the penitentiary authorities at Columbia, S. C., by charging visitors ten cents for showing them through the institution, money is used in transporting released prisoners to their homes if they have any. Eighty dollars was taken in one day recently. New York Commercial Advertiser.