FOR THE LADIES.

THE WOMEN IN FINLAND. In Finland, above all other countries, do women enter into the business of life. They are clerks, doctors, dentists, builders, managers of small companies and bank cashiers. They are especially sought for in the last capacity, on account of their reputation for honesty. - Pittsburg Dispatch.

THE LEPERS ANGEL.

Queen Victoria has presented a brooch devotes herself to the finding of leper colonies in Siberia and other remote the United States to ask for help in her benevolent pursuits. The brooch is formed of a large pearl, on which stands preast is a scroll with the words, "Victoria Regina."-[New Orleans Picayune.

Among the English fashions that are gaining adherence in America is the widow's cap. Not the fright of a few years ago, but the dainty triangle of plaited chiffon in dull white, with the long white veil rising from it and coming

It is becoming to every face, adds a daintiness to the heavy, gloomy gowning of black, and is distinctive. A widow ought to show that she is a widow; it prevents the necessity of explanations to strangers.-[St. Louis Republic.

GIFTS OF AMERICAN WOMEN.

The wealthy women of the United States have given some notable gifts to the needy during the last decade. The Maternity Hospital of New York, the largest of its kind in the world, is the gift of Mrs. W. H. Vanderbilt and represents in its building and endowment the sum of \$1,000,000. Mrs. W. B. Astor founded and endowed the Cancer Hospital, and now the Seton Home for Consumptives, which is the largest of its kind in Europe or America, is rapidly approaching completion. This hospital will be the realization of the benevolent ambition of Sister Irene, the projector and head of the New York Foundling Asylum, and is named after Elizabeth Seton, who founded the order of Sisters of Charity in the United States and left to the order an immense fortune. - [New York World.

THE SLAUGHTER OF THE MINK. gazer at a fashion pageant reflects that each animal has but one tail, there comes a stern realization of the tremendous slaughter of the innocents that is going on to gratify the costume artists. Women will wear anything the Paris artists But just think of it! One tail to an payment .- [Washington Post, animal and somewhere around 500 tails on one costume! Some costumes seem to have about that many. Perhaps the furriers have a surplus of tails from

The poor little minks suffer most, as, though much of the tail trimming is for evening dress. sable, nominally, if it were traced back to its origin, it would be found to be growing on a mink. The moire Persian makes some pretty combinations with purple, forming whole bodices, or vests, and trimmings. Astrakhan is as much used as it can be with the brown furs so much in favor. Bands of wolverine are gowns. a new trimming. It is a high-priced fur owing to the fact that the animal-found oftenest in Canada -- is very hard to cap- and bonnets. ture. It is said to be one of two animals that attack a man without provocation. or satin is giving way to a deep corselet Wolverine robes come at \$200.-[New belt formed of inch-wide velvet ribbon. York Times.

MRS PEARY'S RIVAL.

Much interest has been excited in San M. Green, wife of the captain of the is fur-lined. whaler Sea Breeze, who has just returned the frozen seas. To a correspondent shirts and jackets. Mrs. Green says: "We sighted ice in latitude sixty-two north and we were locked up six weeks. The bark California was packed in ten miles from us, One day the bark rescued one of our boars that had just fastened a whale. My husband was so delighted he gave the California his share in the whale, a present worth \$2,500.

"Then we worked up north to seventy. through them. three degrees thirty minutes, which we a lady whaler in the Arctic. Our return were alongside the Helen Mar the night | popularity. she went down. She was cutting up never go to sea again. But I guess I front and back and crossing in a zouave his, and think's nothing of making a will when the time comes. I always curve about the arm size. enjoy it. I have made four separate cruises, counting this last, and now I woman. - New York Mail and Express.

SECRET OF MAKING BROCADES.

thing: to make a successful gown of it each side of the pleats. quite another. It must be managed with discretion. The dressmaker who says 'this brocade is so beautiful it should woman who wears the gown so made.

new Parisian imported dresses.

She has become a manikin to show off a She has become a manikin to show off a pattern. If you would have your brocade gown successful you must not make it smooth fitting, so that the pattern Mother Hubbard. A corselet and very it smooth fitting, so that the pattern follows the surface of the person. Why? Because by this means what was an ornament to the fabric has now become a decoration to the person, and you have made yourself look like a tatooed savage,

A pattern may enrich a texture, but it will only demean your person. Fancy a Greek vase stamped over with a repeat-

ing pattern! Now you understand.

Hew to avoid this? Look at oriental dress; it will tell us. Orientals use much brocade, but they do not make it fit like a matrix over the figure. It falls in loose drapery, in uncertain, shifting folds.

Those who have predicted the recupion of embalming fluid, which it drank, and was found dead under the coffin a few minutes later.

Thus the beauty of the fabric & de- would be simply absurd vithout it, and veloped and the figure, instead of being that, unless a very plain style of corsage

decreased, is honored by its covering The form for a brocade dress must be necessity. carefully chosen, and the woman who would buy a brocade because it is in the fashion should first reflect whether she to it. - Chicago Kerald.

WORKINGWOMEN AT CREEDE.

Creede, Col., is undoubtedly a great place not only for men, but for the opposite sex, as has been demonstrated by to Miss Kate Marsden, the lady who four plucky women who, going there penniless in search of a living, have already amassed comfortable fortunes. parts, and giving the lepers medical and | One of this number, Miss Anna Mann, ether comforts. She is on her way to has personally accomplished the task of digging a tunnel 200 feet in length; can work a lode like an expert, and has succeeded in getting a patent for two mines. an angel of gold. Across the angel's of which she has the exclusive owner-

harvest from her venture, at the same neck and down the fronts. time accumulating some valuable mining

When the furor over the place first started, Mrs. Love was a bookkeeper in Pueblo, working to support herself and child. After listening carefully to all she would ultimately succeed by identimodest scale. Her surmise was correct,

Perhaps the most unusual success reckoning as to the location of her the duct leading to the hearing also sucrestaurant, and a lawyer concluded to cumbs to this stretching. try and dispossess her of the land, Mink-tail rolls are used on green her right of possession would do so at the cost of his life. That she meant busing the sound of the clock is not peras it is, becomes tiresome. When the ness was undoubtedly evident, but in ceptible to the most careful listening. view of superior numbers she might have All this simply goes to show that yawnbeen vanquished had it not been for the ing sets a number of muscles to work, miners, who rallied about her, only too and particularly those which are not diglad to protect the woman whose kindly rectly subject to the will. heart had prompted her to provide them with food when they were out of work, decree, whether it be tails or heads. trusting to luckier days in the future for

FASILION NOTES.

Red gloves are the rage. Street gowns just clear the ground. Magenta pink is one of the new shades

Shot serge is becoming and serviceable material for a Winter dress.

Every woman should have one long cloak in the ulster of Newmarket style. Moire antique in shot effects is to have a revival, to replace satin for handsome

The broad empire belt of folded silk

A necklace that will serve as a bracelet when clasped twice around the arm is of its curative powers. - Berlin Unserve a popular trinket.

Black silk cloaks, with shoulder capes Francisco by the experience of Mrs. F. of lace, are worn this season. The cloak

A new material is a velveteen with fine from the Arctic regions. Mrs. Peary is ribs, resembling conduroy, comes in not the only woman who enjoys life in various colors and is much liked for

Hats and bonnets are made of white cloth embroidered in gold with trimming of white feathers and loops and

ends of white velvet. are made of white or colored net over is apt to make skating in one direction silk. The edges of the net are turned in, and very narrow ribbon is threaded

put on record as the farthest traveled by with every variety of material at once. while not specially artistic or in good was the saddest part of the voyage. We taste, has obtained a certain amount of other members of that respectable An-

The latest empire tea gowns are fitted two whales and that delayed her. That over the comfortable Cleopatra girdle, was an awful night, and I said then I'd and have lace cascaded Watteau-fashion

in cloth goods, is shown in new designs. the cold, what cares he for it? He knows hold the belt for the farthest distances It is a fong semi-fitting garment, with a he must rely on that lusty circulation of traveled north, east and west by a layer of shoulder capes. It is made in his to keep him from being benumbed. serge, and lined with silk.

with loose, long fur edges, are shown in a sealskin cap takes care of-than of his Brocades are fashionable. Likewise the winter styles. They are made with well-shaped body. they are a snare to the dressmaker. To box-plaited or full backs. Wide bands buy a beautiful fabric of this sort is one of handsome embroidery are used on

The latest item from Paris is concerning a seamless dress skirt made from a penned in, and the broken pieces of ice double width of material just manufac-"this brocade is so beautiful it should be made perfectly plain, so as to show off the pattern," is lost. So also is the shorter walking skirt is also seen in the

> deep cuffs of metal embroidery or passementeric relieve the wrapper-effect which might be otherwise objectionable.

The present dainty fancy in handkerchiefs is to have a design made of one's Christian name rather than the initials or Christian name rather than the initials or monogram. This design may be in the owner's own handwriting, and the work room. Her eleven-month-old daughter owner's own handwriting, and the work room. is done with fine cotton in the center, escaped her attendants, and while creeprather than the corner of the handker- ing about the floor and playing with the chief.

should be adopted, the high sleeve is a

Very pretty portieres for white and gold or Pompadour rooms may be made of the small embroidered Turkish squares can or will wear a gown design suited | sold for mats and cushion covers. They are joined with strips of white velvet ribbon an inch wide, on which are wrought polka dots of yellow silk. The drapery is lined with thin yellow silk.

The new hoods for children are very quaint, having three pinked-out frills around the face, large bows of ribbon: a high, puffed crown at the back, beyond the place where a crown is properly placed, which is to say, on the top of the head; and a deep cape.

Matelasse having come in again for cloaks and mantles, some very rich gar-ments are seen in this goods. Where it is used with yoke and sleeves of black velvet. One design just out is of double ship.

The first large hotel started at Creede was by a Mrs. Beebe, who, after looking the upper of velvet, full, with revers on the place well over, decided upon an the shoulders edged with jet embroidery. advantageous position and has reaped a A band of black Thibet hair around the

YAWN ALL YOU PLEASE.

A Doctor Says It's One of the Best of Nature's Remedies.

According to current ideas yawning in the talk, she came to the conclusion that good society is an improper sign of weariness; according to the teachings of phyfying her fortunes with the place, and so | siology, says a noted German doctor, it started a stationery store on the most is a long-drawn, forcible inspiration, followed by a shorter respiration; accordand in addition to a well-established ing to Dr. Naegeli, it is one of nature's business, she now owns several mining many remedies, the proper application of which depends upon good judgment.

In yawning, not only the muscles which attained in the mining camp is that of a move the lower jaw are used, but also the German woman who before going to breathing muscles of the chest, and he Creede had supported herself and son by who yawns to his heart's content also doing housework and cooking. Having raises and extends the arms. In the deepgathered together her camp kit she was est inspiration the chest remains extended bliged to go in debt to a freighter, in for a short time, the eyes are almost or order to have herself and goods carried entirely closed, the ears somewhat raised, to the place. Her natural thrift was the nostrils dilated. Inside the mouth, shown from the start by the method with the tongue becomes round and arched, which she staked off several lots, and on the palate stiffly stretched, and the uvula the most primitive plan started the plan is raised, almost entirely closing the space of cooking for the miners at fifty cents a between the nose and the throat. At the meal. As her business prospered it be- beginning of the inspiration a cracking came evident that she had made a clever noise is heard in the ears, a proof that

If the yawning has reached the deepthreatening as a bluff to erect a house on est point it will require from one to one the property. Without waiting for and a half seconds for it to become nofurther ceremony, Mrs. Miller proved ticeable to the hearing. In order to obherself equal to the occasion by pointing serve this, let one place himself at a a pistol at the intruder and informing sufficient distance from a clock, so that him that the first man to interfere with its ticking will not be easily heard, and

> Although one yawning does not prevent a very agreeable appearance, it is very agreeable to himself, for the stretching of the muscles causes a feeling of comfort; it acts like massage, and is the most natural gymnastics of the lungs imaginable. Dr. Naegeli, therefore, advises people not to concern themselves with so-called decency, but every morning and evening, and as often as possible, to exercise the lungs and all the muscles of respiration by yawning and stretching, as many chronic lung troubles may thus be prevented.

Dr. Naegeli orders the patient troubled with too much wax in his ear, accompanied with pain, to yawn often and deeply. The pain will soon disappear. He also, in the case of nasal catarrh, inflammation The new shot velvets and shot satins of the palate, sore throat and earache, will be much used for trimming gowns orders the patient as often as possible during each day to yawn from six to ten times successively, and immediately afterwards to swallow. The result will be surprising. If one looks upon yawning as a natural massage for certain organs he will reach a satisfactory explanation

On Skates.

The average Dutchman of the South, though he can skate very well, looks rather foolish on the ice. His short legs and wide breeches are admirable adjuncts to his nose, his thin cocked beard, and the lumpishness of his expression. To be sure, this breadth makes him look important, but if he were less muscular it would be a sad hindrance to him in Pretty and inexpensive evening dresses | battling with the wind, which in winter something of a trial.

The Frieslander, however, is taller, better proportioned, and in all respects The fashion of trimming felts hats a handsome fellow. The yellow beard he sometimes wears seems to put him at once on a footing of affinity with the glo-Saxon family to which we ourselves belong quite as much as his provincial speech and his blue eyes. He is a most masterful creature when once he has put on those quaint old-fashioned skates of score of miles from one village to another The Russian pelisse, both in fur and before you and I are out of bed. As for though he clothe ever so lightly, and Velvet and plush, trimmed elaborately seems more regardful of his head-which

> A Friesland canal in winter is as lively as anything can be. The ice may not be very good or of unquestionable strength; but no sooner are the boats between them, then his sport begins. It is a feat of honor to be the first in the district to cross the canal when the wintry season is in its youth. The name of the bold lad is remembered for a week or two, and I have no doubt his pluck stands him in good stead in the esteem of the cherry-cheeked damsels of his province, whose eyes dance past one so brightly when the ice festival is in full swing, and journeying is all done upon skates .- | Chamber's Journal.

supports of its mother's coffin found a

NOTES AND COMMENTS.

When the gain of what is termed a whole nation under arms is estimated, he exaggeration, says the Fortnightly Review, of the pompous phrases hides the nakedness of the fact that large numbers of young men are lost to their country by the means to which they resort to escape military service. In Italy and Germany these may be counted by legions; in France men are less numerous, because men are more wedded to the native soil, and take to service more gayly and more naturally, but in Italy and Germany thousands flock to immigrant ships, thus choosing life-long self-expatriation, and every year, as the military and fiscal burdens grow heavier, will lads go away by preference to lands where, however hard be the work, the dreaded voice of the drill sergeant cannot reachithem. Patriotism is a fine quality, no doubt, but it does not accord with the chill and supercilious apathy which characterizes the general temper and teaching of this age, and a young man may be pardoned if he deem that his country is less a mother worthy of love than a cruel and unworthy step mother, when she demands three of the Lirest years of his life to be spent in a barrack yard, and wrings his ears till the blood drops from them or beats him about the head with the butt of a musket because he does not hold his chin high enough or shift his feet quickly enough,

A AURAL farming district in Michigan has provided itself with a telegraph line eight miles in length, connecting a large number of scattered farms with the village store, the proprietor of which officiates as telegraph operator, express agent, postmaster and so on. The total have been only some \$200, while the ex- and stirring, and in hot, incessant compense of maintenance, which is but a trifling sum, is assessed equally upon the owners. The Engineering Magazine is enormous convenience of such a system as this in country districts ought to lead to a more general adoption of the plan, Especially after the expiration of the telephone patents in 1894, such a system of intercommunication by wire would be possible in every township throughout the country. The individual expense would be almost insignificant, and in the item of useless travel alone would save many times its cost every year.

According to a report compiled by the French Statistical Bureau the vineyards of Europe cover 22,976,902 acres, Italy comes first with 8,575,000 acres, followed by France with 4,592,500, Spain acres. The annual average production of the European vineyards is put at 2,652,-200,000 gallons, Italy producing (in and Spain 608,000,000 each, Austria-Hungary 208,000,000, and Germany 51,at only £12,000,000, while the value of

500 gallons, worth £1,720,000. Women are forging ahead in other countries as well as in the United States. In Belgium two young women recently obtained employment in the Department two others have secured places under the Tribunal of Commerce; in Sweden and in Denmark the Parliaments have voted that the office of stenographer shall be filled by women. In the latter country the Folkething has selected for stenographer Mile. Grundtvig, who is one of the leaders of the women's suffrage movement in that country. She edits the Kvinden y Samfundet, which is the organ of the Danish League of Women Suffragists. In a recent issue of the Samfundet she expresses the hope that having at last reached the stenographers' tables the women of Denmark may not to be sought. have to wait so long to secure seats on

the Parliment benches. Bradford had continued to treat him." thing.

many hearts toward her. It is not unlikely that by the time the World's Fair is over Chicago will be the home of most of the historic buildings in the country-Libby Prison and John Brown's fort are already there, and now the enterprising collectors of architectural antiquities employed by the Fair Commissioners have discovered the only original Uncle Tom's cabin and begun negotiations for its purchase. This cabin, a diminutive structure of logs, stands on a Red River plantation in Louisiana. It is 16x18 feet in dimensions, nine logs high and has a patch roof of rude cypress boards. It has not been used for twenty-five years.

"IF a comet," says Professor Wiggins, us and our moon, as Lexell's comet ran among the moons of Jupiter in 1778, its powerful attraction would so contract | the earth as to cause the waters of our oceans to overflow our continents, as no doubt happened at the Noachian deluge. I don't think they ever cause disease, for universal death would happen should our atmosphere absorb the poisonous

been able to see since the fall of the Roman empire.

THE cities that claim to be the birthplace of Columbus outnumber those ancient cities that claimed Homer-Italy, England, Ireland and Spain, all having

however, insist that they have his this description have usually been laid A MILE in thirty seven seconds is the a method is by no means the most delatest record breaking speed, the dis- sirable, as, in effect, it produces a surtance having been covered in that time face composed of two materials differing

THERE are 40,000 little children in London who go breakfastless to school every morning. This is the saddest feature of the great unemployed problem

which agitates the metropolis. A Swedish bride always distributes gin to wear away, becoming round-bread to the children who line her path-backed, and the slight depression above way on her road to church. It is a and alongside each joint fills with mud Swedish belief that each bite taken by a and dirt; further, the rumbling noise of child prevents a future misfortune from traffic passing over wood blocks is almost overtaking the happy bride.

THE SCIENCE OF SUCCESS.

The World's Great Leaders Have All Been Hustlers.

In the edition of the "Life of Lincoln," by William H. Herndon, the martyr President's law partner, there is an introduction by Mr. Horace White, which contains a significant comment, not new yet always timely. "The Abraham Lin-coln," says Mr. White, "that some people have pictured to themselves, sitting in his dingy law office, working over his cases till the voice of duty roused him, never existed. If this had been his type he never would have been called at cash expenditure for the outfit is said to all. It was precisely because he was up petition with his fellows for earthly honors that the public eye became fixed upon him and the public car attuned to of the opinion that the small cost and his words. Fortunate was it for all of us that he was no shrinking patriot, that he was moved as other men are moved, so that his fellows might take heed of him and know him as one of themselves and as fit to be their leader in a crisis.

There is a strong sermon in this comment, and there could be no better medium for the pointing of the moral that the personality of the idolized Lincoln, universally recognized as the most characteristic type of the best that is in our civilization. From his earliest years Lincoln was always haranguing other boys from a platform of some kind. As he grew up he never missed an opportunity to develop the oratorical faculty, and with 4,012,500, Austria-Hungary with to develop to the best of his ability 1,637,500, and Germany with 300,000 every other faculty that aided him in American Stockman, Professor Samuel understanding and in influencing men. B. Christy, of the University of Califor-He was an expert politician, hating dis- nia, an eminent authority on mining and honest tricks, but never missing a legiti- metallurgy, reports that if a nozzle of round figures) 697,000,000 gallons, France mate means of furthering his always from six to nine inches in diameter were present ambitions. Endowed with a especially arranged to throw a stream remarkable faculty for winning the vertically upward against a spherical 000,000 gallons. Spain exports the most friendship of those who came into his boulder of quartz weighing 1,000 pounds, wine (200,000,000 gallons), but it is presence, the culminative power of his the vertical head being anywhere from chiefly common wine, and it is estimated political progress was extraordinary.

France is put at nearly as much. Italy of mind that have marked every truly of pressures. There would be a point at comes third with exports of 45,000,000 great leader of men. He did not sit which the upward pressure of the stream gallons, estimated at £2,800,000, while around waiting to be asked. He not would exactly balance the gravity pres-Austria-Hungary exported only 16,000, only cultivated available power but adsure of the boulder, holding it, the half-500 gallons, worth £1,720,000. vertised it. He not only made himself ton rock, there suspended. As to cutcapable of leading but he demanded to ting these streams Professor Christy says lead. Only lying biographies, which that he has often tried to drive a continually fill the minds of the credu-crowbar into one of them. The stream lous and thoughtless with mistaken felt as solid as a bar of iron, and, ideas, ever made it appear that those who although he could feel the point of the of Justice at Brussels, and at Antwerp lead in any field are dragged into leader- crowbar enter the water for perhaps half ship. The biographer of Mr. Great an inch, the bar was thrown forward with Guns, wise after the event, makes it ap- such force that it was almost impossible pear that his idol was "called" from a to retain it in the grasp. An ax swung shrinking though highly deserving ob- by the most powerful man alive could not scurity into the fierce light of popular penetrate the stream, yet it might be cut honor, when the truth is that Mr. Great by the finger of a child, if the child were Guns has been planning, struggling, inter- seated on a railroad train moving parallel viewing, collecting influence and pulling with the stream in the same direction and the wires for fifteen years to win the with the same velocity. That velocity post. There are instances of enforced, would be considerable more than a mile unsolicited honors, but it is not possible a minute. The late Judge Bradley, of the to find them among great leaders. It is Supresae Court, has also tried his intellect not possible to imagine Casar, Napoleon, upon the mathmetics of the problem sub-Cromwell, Washington, Lincoln waiting mitted by Judge Field. He delivered this

ignores if it does not try to conceal this of streams issuing from the pipes of the DURING the reign of cholera in Tabriz, fact. But there is no reason why it miners under a large head of water. Of Persia, Dr. Mary Bradford, a Presbyterian should be disguised. Human nature becourse they would produce instant death missionary, was the only physician in the ing what it is, the competitive necessity if directed against a man standing near, city. She treated nearly all the Christians being in the very fibre of our human and would probably cut his body in two." who were sick, even the men, for in the organization, success not merely in leadextremity the rule had to be broken, ership of men, but social or purely in- mary will not astonish engineering ex-Necessity knows no law. Her going to tellectual leadership, will always result perts. The average citizen, however, is the Armenian Bishop and benefiting him from struggle, from insistence, from a so much drew forth his gratitude and conviction strong enough to stand in a destructive fluid that can be put in motion. that of the Armenians. As the physician minority of one against history and the of the Russian consul came in and took world. It is on this basis that the charge of the case before his death, the highest idealism and the highest pracpeople would say: "Would that Dr. tical sense unite and become the same

She has saved many fives and drawn A failure to recognize the fact that suceess means fight, produces social, politi-cal, artistic and even religious mug-wumps, men who hold aloof from the dirty scuffle, and who complain, but do nothing; who give an hour a year to the physical exertion of registering and voting and then have the gall to ask a consulship; who moan at the iniquity of election expenses, but who never chipped in a dollar to hear an election address that is costing somebody something; who denounce saloons, but have bottled wine in their cellars; who preach equality, but label their impertment charity stations "for the poor." It thus happens that the reading class is often farthest away from the real secret of success in the moving of men. Only a with regular suspenders, and an apron of class without the knowledge brought by of Ottawa, Canada, "should run between | contact could ever desounce "parties" or preach the elevation of politics by letting it alone. A practical illustration like that furnished by Mr. White's comment on Lincoln is for this reason of incalculable value. - Brooklyn Daily

Covey, Bevy, Flight and Flock.

our atmosphere absorb the poisonous carbon of which the tail of a comet is composed."

Different terms are applied to different groups of animals. The following are examples: A covey of partridges, a nide of pheasants, a wisp of snipe, a bevy of quails, a flight of doves or swallows, a muster of peacoeks, a siege of herons, a building of rooks, a brood of grouse, a plump of wild fowl, a stand of plover, a cast of hawks, a watch of nighting-in the south side, serves as an opening for three feet in diameter, heaping up the mud removed from the hole so as to form a wall around the margin. In this lake within a lake this queer little fish erects a mud house about fourteen inches across at the bottom, rapidly coming to a point in the shape of a broad cone. A hole gales, a clattering of choughs, a flock of geese, a swarm of bees, a school of the south side, serves as an opening for Exposition will present. Mrs. Schuyler Van Rensselaer went to Chicago in the service of the Forum to make a study of the artistic effects of the Fair, and in an article in that magazine she says it is the noblest sight that a man can see anywhere in the world or that man has ever gales, a clattering of choughs, a flock of the south side, serves as an opening for the swine, a shoal of herring, a herd of the south side, serves as an opening for egress and ingress. A dried specimen of this queer piscatorial domicile preserved in the Royal Museum at Berlin has two doors and a mud wall separating the "dwelling" into two rooms.

POPULAR SCIENCE NOTES.

WOOD PAVEMENTS .- A writer in Engincering gives some of the results of his investigations into the character of wood pavement in large cities, the conafter the manner of those of stone, such on the Reading system, between West- entirely it structure, strength and wearfield and Crawford Railroad, the engine ing qualities. Under these circumbeing attached to a heavy express train. stances, it is urged, the wood is comparatively tough and elastic, while the grouting is friable and unyielding. The grouting becomes rapidly pulverized by the traffic and its surface soon falls below the general level of the wood; the unsupported edges of the wood blocks beentirely due to the slightly round-backed form that each course of blocks assumes. Thus, when a street so paved has been cleaned, although it may present a smooth surface to the eye, it will be found that the interstices have been filled up by a greasy mixture of mud, dirt and pulverized wood-a surface obviously not adapted as a suitable foothold for

DELICACY OF MEASURING INSTRU-MENTS. -- The adjustment of measuring instruments has been brought to a point of such accuracy as to give almost incredible results. Scales are now made that will weigh the flame of a candle, or the smallest strand of hair plucked from the eye-brow. These scales are triumphs of mechanism and are inclosed in glass cases, as the slightest breath would impair their records. The glass cases have a sliding door, and as soon as the weight s placed in the balances the door slides down. The balances are cleared again and made ready for further use by the pressing of a button, which slightly

raises the beams. Two pieces of paper of equal weight can be placed in the scales, and an autograph written in pencil on either piece vill cause the other side to ascend, and the needle, which indicates the divisions of weight even to the ten-millionth part of a pound and less, will move from its perpendicular. A signature containing nine letters has been weighed and proved to be exactly two milligrammes, of the fifteen thousand five hundreth part of an ounce troy.

THE POWER OF WATER .-- After an elaborate series of computations, says the 100 to 150 feet, the boulder would be All this is to say that Lincoln pos- forced up until the diminished velocity the 56,000,000 gallons exported from sessed and made use of the same qualities of the stream established an equilibrium opinion: "I can well believe all you say Unintelligent here worship generally with regard to the tremendous force

The statements here presented in sumaccustomed to regard water as the least

A Female Blacksmith.

The Cogswell Polytechnic School of California has a girl student in its blacksmithing department, who has taken up that vocation seriously with a view to making ornamental forge work, at which a woman may work to advantage. The girl blacksmith, Miss Ray Beveridge, is a small girl with original ideas and unusual physical strength for a woman. And one of these ideas is that in designing attractive iron ornaments a woman's fancy will prove more alert and dainty than a man's. To perfect herself in her art she is studying designing, drawing and modeling, as well as doing practical work at the forge in the shop where the men students receive their training. She wears in the shop a dress of heavy wool material, suspended from her shoulders leather to shield her clothing from the flying sparks. She wields a twelve-pound hammer, and keeps her forge fire glowing herself with a blast engine.

A House-Building Fish.

In Lake Nyassa, Africa, there is a curious little black fish which builds a breed-