of Lands

1 51 1 45 1 45 1 45 FRED. KNOWLSON Town Treasurer

Scientific American

TRADE MARKS DESIGN PATENTS

didly illustrated. No intellige without it. Weekly, \$3.06 months. Address MUNN & 0 61 Broadway, New York.

WANTED xtra when traded.

LS USUA

rool is found:ek Flannel - 20c per l

- 30 to 50c. \$1 to \$3.60 per pair.

VING rard for cotton; don d 10 cts for cotton

DING. om machine and done. Price 5 cts.

sing, HORTESTNOTIL

oollen Goods, also VITTED GOODS, EI heapest.

and on all lots of fo pay freight to mill ng wool should alw

veral parcels by ess owners name be mined to give satisf

wn trade, and will gu turned out.

Mills, Lindsay. LLACE. Manager. TALKS FOR THE FARMER.

THE PRINCIPLES WHICH UNDERLIE THE SCIENCE OF BREEDING.

that Breeding Is-The Principles Governor the Transmission of Heredity-Imnortance of Pedigree-Money in Wintering Sheep-Value of Exercise.

oding, strictly speaking, is the science of selecting the fittest, and, by proper producing the highest type. If it rly understood, we should have a more advanced stage long be-But ignorance pulls down in one year what a Bakewell, or Bates has been tions in building up. It is perfectly safe to buy a pure-bred bull for use on common stock, for some of his lines will be of advantage. But when it comes to imroung the pure-bred, then the most careit and experience must be brought on. A cardinal principle of breeding ber. He should be so familfar with vention is huma every one of his cow's anatomy and character that he can call them to mind at any

day of February, 1892 att to offering are about the same in all animal but "the force of this lies in the application on't," as was observed by Captain | single horse-car line. Cuttle. It was long ago laid down that "the iniquities of the parents should be on the Berlin street cars. visited upon the children even to the third and fourth generation." This principle is the one that is studied and taken advantage of, reversing the working to make better the breeds of livestock we have. Dr. Helmes says, "I go always-other being equal - for the man who inherits family traditions and the camulative humanities of at least four or five generations." This I fully believe in. Gven a dairy bull of a family that has for the past three or four generations been noted for milk and butter, and one may safely breed to him. "Heredity makes of every individual the sum or essence of that which has lived before him, and is essentially | wholly or in part by electricity. a conservative force." We cannot, of course, expectall the characteristics of the sire and | will, when placed about 35 feet above the thedam to be transmitted, for here steps in earth, light up an area of 400 feet radius. atavism, and occasionally brings in a spirit allinthe two individuals breeding from. | tion. If we could get all the characteristics, as we do when we plant a kernel of corn or what we would have the very ideal of bresing. Very much depends upon feed, are dimate, and all the environments. Red only to pedigreed stock. What is works? Simply genealogy; but by this westermine the value of the ancestors. Wennist reject where, from any cause, the are deficient in the lines it is. desired toked for. Pedigree directs attention to althe out-crosses; or, if inline bred, just how far ; or, if inbred, just the state. Itset be understood that all animals of ampulue as breeding stock are recorded in the looks of record established for the resperive breeds. By reference to these we may accertain the exact status of an animal. ladeases where there are any doubts as to bauthenticity of a pedigree, it is best to wite to the secretary and find out, un-

Money in Wintering Sheep.

Agriculturist.

But, with an authentic pedigree,

weatrace it out and know .- American

Feeling sheep in winter for the spring market is one of the most profitable employments a farmer can engage in. At that time of the year labor is of small account, and the sheep, when sold, pay a good price for all the coarse fodder and grain they have eaten, besides returning it (or a large part of it) to the soil in the shape of manure. Thus you sell your fodder and grain and yet have it left. A farm treated in this way will produce more than it will with fertilizers bought and applied to the land Bean-pods and cornstalks are excellent food for sheep-better than timothy hay and nearly as good as clover. Straw may also be fed to advantage. Grain is the only thing to be fed that costs money. How, when and what kind of sheep to buy, how to feed and when to sell are all important points upon which success or failure will depend. There is more profit in feedng lambs than older sheep, but I would not advise a beginner to commence with lambs. Better try sheep 2 to 4 years old, as yearlings are not good feeders. I prefer graded sheepmther than very coarse, or very fine, as the course are more subject to ticks and scabs and the fine to foot-rot. I often buy mixed lots that average 80 to 85 lbs. I get failure. them at 31 to 37c per lb and they are quite sure to sell in the spring for 5 to 54c. Fifteen pounds apiece is a very good gain " such a class of sheep and 18 to 20 lbs 10r lambs; I have had them gain 22 lbs per head in 12 weeks. The profit lies in getting them in fine condition as soon as possible and then sell or ship on the first good market.-Farm and Home.

LICECTIC INSECT MIHER. An electric insect killer is the latest novelty in that line. It is formed by a cover of wire gauze, which is placed over a lighted candle. The gauze is an electric tirenit, and when insects touch it they are

Six-Million Hole in the Ground, The new tunnel of the Baltimore and Ohio Railroad under the city of Baltimore will cost upwards of \$6,000,000. It is being pashed night and day, fully 1,000 men being at work upon it.

London's Electric Mains. the manholes are provided with two of 400 feet. each connected to earth. The

over is thus rendered harmless. Lost the Load.

SUNDRIDGE, Ont., Dec. 23.—Mr. Charles Round Lake with a load of log sleighs when the ice broke letting the load and horses through. The team was drowned and the load lost, Mr. Tripp narrowly escaping



breed so that the result is something with copper wire. The wires are carried of theological universities. You know out of 3,000 or 4,000 cubic feet of air, and superior. Each generation should up to a little battery, which can be put the girl is a sport and could give you in its condensation removes nearly all of evement on the last. How to do under the seat. When it becomes necessary his is not easily put into words, for a man to urge this horse a little, by pressing a butmend a fortune, and his cow have the ton a current is sent through the reins to the eare, yet there may be something horse's back, and he feels a sharp, though One good rule is, never to buy not painful, pricking sensation and wakes in the shape of a bull because he up to business in an instant. The inventor But the breeder must become abfamiliar with every point of his vention is humane and harmless.—St. Louis

TREND OF PROGRESS.

It Is Indicated in Brief But Significant Paragraphs.

A recent invention is a camera in the form of an opera glass. Neither St. Pau or Minneapolis has a

The zone system of fares is to be employed A \$300,000 union railway station has just been opened in Louisville.

Electric soldering irons are extensively used in canning establishments. Damascas is to be lighted by electricity,

while Smyrna is to have an electric railway. The local Board of Underwriters of Kansas City, maintain an electric-light inspec-

Cars run by storage batteries connect The Hague with Scheveningen, a wateringplace about two miles distant. It is estimated that one-fourth of the

street railways of this country are operated An arc lamp of about 2000 candle power

The first electric road in Brazil will be coming from back of several generations built at Bahia, where a narrow road one and the peculiarity is not shown at and a half miles in length is under construct of immaculate linen in cuffs and collar

> and Ystradyfodwg, Wales, it was found necessary to cross the Taff river seven times. To do this, inverted syphons of cast | snugly coiffured little head is tightly

Works devoted to various electro-metallurgical processes will utilise 6,000 of the 30,000 horse-power that it is estimated is going to waste from the Valloirette Falls, near St. Michel, France.

No existing method of electro-plating is entirely satisfactory since the adhesion of the film is not perfect and the protection afforded by the film is not adequate. A London firm has, however, invented an alloy of silver which is said to avoid both these disadvantages.

The new compound ten-wheeled engines built for the Mexican Central Railroad by | vou may, if you know her, venture to step a Rhode Island concern were found too lessecertificate can be shown emanating large to pass the Raton tunnel of the Santa frethe proper authority. It is never safe | Fe road, and they had to be shorn of every to the anyone's word, "that animal is just projecting part. Even then they just man-

aged to pass through. The variations in the electrical conductivity of selenium when exposed to light is the basis of a Yankee invention for automatically extinguishing gas in stores where it has been allowed to burn all night. At the first gray streaks of dawn the selenium is acted upon, and the result is that the gas is turned off.

Electric Ventilator and Heater.

A French electrical paper has a description of a novel electrical ventillating apparatus for supplying a building with fresh air, either warm or cold. A motor operates a ventilator, thus drawing the cold air in, but if warm air is desired, the electric current is sent through a net work of fine wires which become highly heated. The air is drawn through this network by the ventilator and comes out as warm as furnace heat. It is claimed that the hygienic results of such an arrangement are excellent.

Much Progress Made Since Then, The late John H. B. Latrobe, of Baltimore, accompanied Peter Cooper on the first locomotive that ran into Baltimore. This trip was in competition with a gray mare, and was expected to test the relative merits of the new and old methods of transportation. Something about the engine gave out and the horse won, and for a time steam railways were adjudged a

Big Fish Pond at the Big Fair. The largest aquarium in the world will be built at the World's Fair. It will be stocked with both fresh and salt water fish, and the supply of water for the latter will be furnished by evaporating sea water to one-fifth its bulk and forwarding it to the Fair, where fresh water will be added in the

proper quantities. . New Treatment for Nerve Woes. A novel cure for nervous diseases is being practiced at Worisholen, Bavaria. The treatment is the outcome of the study of an old priest, and consists chiefly in spraying water over the body in various places, dressing at once without drying, and brisk walking immediately afterward.

A Monster Pump,

A monster pump has been built for the Nashville waterworks. It is 100 feet high. Forty feet of it is above ground, the pump passing under the rm and tying in bows on the shoulder in lieu of sleeves, has a beheath the sidewalks, and to avoid accidents the sidewalks, and to avoid acci-

> The compositors on two of the Philadelphia morning papers, The Record and Enquirer, went out on strike last evening, their demands for an increase of wages from 40 to 45 cents per 1000 ems being refused. The Times and North American granted the advance. Subsequently the men returned to work on The Enquirer, pending a settlement of differences.

THE WORLD OF FASHION.

THE PLEASANT-TO-THE-EYES GIRL WITH THE CAPE ULSTER.

wan-haped Beds the Latest New York Novelty-Winter Styles in Paris-Russian Customs the Rage in the Gay French City-The Coming Bonnet.

The girl with the cape ulster is the breeziest, jolliest, larkiest expression of femini-The electric inventor has applied the nity on record. Nobody knows just when subtle eurrent to another practical purpose, and whence she came, but she is here, a which he claims is both effective and health- most unique and individual type of the endful. The application in this case is to the of-the-century conditions. The very sight great numbers, nearly all of which are in reins on an ordinary of her would shock the beginning-of-the- the stage of spores instead of adults. The set of harness so that century girl off into one of her favorite spores of the fungi and other microscopic a whip to urge the faints. There is a breezy virility in the plants and the pollen of flowers and grasses for a portion of their she is, that bids conventionality go hang, of water which falls at the beginning of a length, where they and demands of honesty of purpose and storm often contains more than 200,000 TORIVES HORSES. are over the horses sincerity of character heights of virtue micro-organisms.

Half a pint of water frequently condenses

> after you try it on, week. that you can't offend

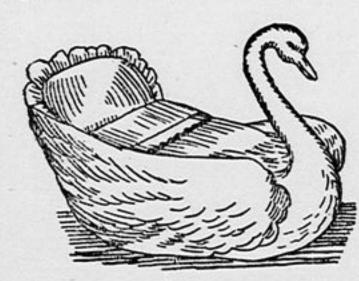
If you are not too bewitched and bewildered to analyze the girl-with-the-capeulster vision, you will observe, first, that the ulster is light in tint, and either gray or tan in color. You will see, too, that the material of the garment is the coarsest, shaggiest, and roughest of work, or the blanket plaids in invisible shades. It is unmistakably tailor-made and grotesquely mannish with its raw-edged pocket flaps and straps and its polished horn buttons. And as your eyes grow more accustomed to the dazzling spectacle you will observe that the boots beneath the ulster are the trimmest, shapeliest, shiniest of patent leathers; the gloves the most exquisitely fitting of dogskins in reddish tan or pearl gray, with heavy black stitchings, and that at neck and wrists is a revelation whose neatness of laundry finish would In building a sewer between Pontypridd drive to despair the veriest spotlet in dudedom. The umbrella this girl carries as inevitably as she carries her own rolled and plain in style, and her that the girl in the cape ulster has some purpose in life besides curling her hair. When the ulster is buttoned up tightly at your hat and give her plenty of room on the pavement, for she is pursuing her purpose and isn't to be trifled with. But if the cape have a jaunty toss over the shoulder, and the rough-edged revers are folded back from the precisely tied four-in-hand, up alongside if you don't talk nonsense about her eyes or smile. She won't take that even in sunshiny weather and off hours.

SWAN BEDS.

A Novelty as Noted in New York-A Real Swan Crib.

A curious fad in the way of a white bed is shown in the windows of an up-town cabinet-maker. It is a huge swan made of white enamelled wood. The workmanship is exquisite, and as an "objet de luxe" it is very pretty. For a permanent fixture it might, one would think, become wearisome. The old rose silk bed-spread and pillow-shams are perfect in their way, and contrast particularly well with the creamy white of the wood.

An English establishment in London shows the same idea as a bed for an inket frame. The snowy soft whiteness of us at a small commission, the plumage is lovely, but it might be sug-



A BEDSTEAD SHAPED WITH A SWAN.

gested that the curative agents employed should be enquired into, lest they become harmful to a sleeping child. Moreover, the sentiment of a dead thing used in this way is not pleasant. - New York Tribune.

New Girdles,

A peep into an importing house at novelare to be worn this Winter.

The star girdle is made of the petals of the chrysanthemum and fern leaves, and with white silk lacing in the back. A bunch of chrysanthemums should be worn in the Another rarity is of lilacs and orchids,

with two bands of silk falling from the left side to the hem of the dress. A boa of white hyacinths, with a white ribbon band Another handsome girdle is of black and pink ostrick tips, with two long ends of the same falling from the left side to the hem of

favorites.-New York World. Electricity's Latest Victim. NEW ALBANY, Ind., Dec. 23.-Louis Hagner, an electric street railroad employe, her leg, only knowing what to do and how was struck on the wrist by a charged wire to do it we cured her. and instantly killed.

the dress. These will be the reigning

IMPURITIES IN WATER.

Rain Water Will Soon Become Foul if Not Aerated and Filtered.

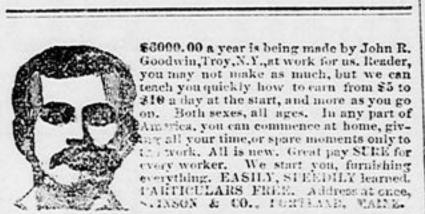
All natural waters contain mineral salts, some of which may be deleterious to health, but the most injurious foreign substances ing organic matter and sometimes infectious atmospheric vapor, and, as it fell in rains, carried with it the impurities from the air. These impurities are gases that arise from combustion, fermentation and decay, and particles of dust and decomposing organic

Bacteria are also removed from the air in

points on the football the atmospheric impurities, concentrating games, and is up on them in the water. So in drinking a glass horses and dogs. You of rain water that falls at the beginning know, too, or you of a storm we may swallow as much filth will in just a second as we breathe from the air in more than a

If rain water is stored in cisterns withher high mightiness out purification these substances soon renmore unpardonably der it so foul that it cannot be used for than by offering her drinking. But when rain is collected near your seat in a car. the end of storms, and is properly filtered The celerity with and aerated, it is one of our most wholechill of a champagne | mulations of debris from the surface of the | c alled up. cooler will convince ground, and as it passes into the soil exthat some one tracts from it a large amount of impurities, and when your teeth | tion and animal excrement. These sub- ever expects to be called upon to pay. stop chattering so you | stances are carried down into the circulating know that you are the drainage from cesspools and privies also finds a direct entrance into surface wells .-Engineering.

Stopped the Horse Meat. NEW YORK, Dec. 23.—Seventy barrels of horse meat intended for shipment to Belgium were intercepted by the health officers yesterday.



KNOWLSON BROS.

REAL ESTATE INSURANCE. & FINANCIAL ACENTS

FIRE INSURANCE

The Aetna Fire Insurance Co, of Hart shekels she produces with a perfectly de- ford, Conn., incorporated 1819, losses paid licious air of nonchalance from one of the in 71 years about \$65,000,000, assets over ulster's many pockets. You may be sure \$10,000,000, absolutely the strongest Ameri can Co, in existence.

The North British and Mercantile incorporated 1809, paid up capital abt, \$3,500,000 the throat and all its straps and belts are total assets \$50,376,064. The N B & M is fastened you will do well simply to lift the largest and strongest Co, in existence.

We also represent other Fire Companies of high standing, and can give safest security for the lowest rates.

KNOWLSON BROS.

LIFE INSURANCE.

The Confederation Life Association, of Toronto, issues Policies Incontestable after three years. Free from all restrictions as to RESIDENCE, TRAVEL OF OCCUPATION. The New Annuity Endownment Policy affords absolute protection against contingency of early death, provides an INCOME n old age, and is a good investment.

Rate 15 to 20 per cent lower than ordin-

KNOWLSON BROS. REAL ESTATE.

We have a large list of valuable Build ing Lots, Brick and Frame dwelling houses, Farm properties, and choice lots on Sturgeon Lake, which can be had cheap for cash, or mortgage at a low rate of interest, MONEY TO LOAN at a low rate of interest.

Persons desiring to place their property fant, but this time it is a real swan that has been skinned and stretched over a bas of charge and will be sold or exchanged by

KNOWLSON BROS.

Represent the Beaver Line of Steamships plying between Montreal and Liverpool, Boats large and well equipped and cheap

rates of passage. Represent the Norwich & London Accident Insurance Co. Capital \$1,000,000, Rates extraordinarily low and security unurpassed.

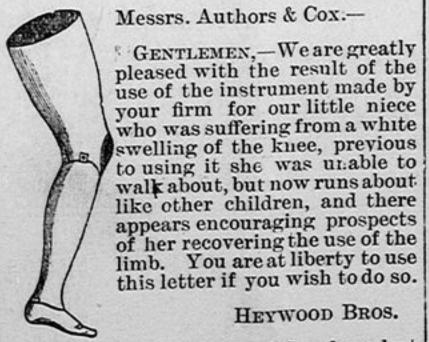
OFFICE WILLIAM-ST. NORTH OF KENT STREET. Lindsay, Nov. 19th, 1890.-45-1y.

-----MANUFACTURERS OF-----

Trusses, Artificial Limbs & Appliances for all deformities of thin Human Body.

Spinal Disease, Hip Joint Disease Diseases of the Knee and Ankle, Knock

Crutches. 121 CHURCH STREET! TORONTO.



pleased with the result of the use of the instrument made by your firm for our little niece who was suffering from a white swelling of the knee, previous to using it she was unable to walk about, but now runs about like other children, and there appears encouraging prospects of her recovering the use of the limb. You are at liberty to use this letter if you wish to do so.

HEYWOOD BROS.

This little girl would doubtless have lost

Nov. 1890-46-19,

SQUINT THIS WAY, PLEASE!

but the most injurious foreign substances found in ordinary drinking water are decaying organic matter and sometimes infectious micro-organisms. All water that is used for

Farmers, Threshers and Mill Men generally should try the celebrated LARDINE MACHINE OIL. It does not Gum or Clog Machines, and wears equal to Castor Oil.

McCOLLS - CYLINDER - OIL

horse along is not sweep and swing of the jaunty cape that are also found in rain water. So numerous Guaranteed to be better and cheaper than Tallow. Try above Oils and you will use no others.

McColl Bros. & Co.,

Toronto.

ROYAL CANADIAN INSURANCE CO'Y.

WHICH WILL YOU HAVE?

The latest Blue Book shows that after providing for all liabilities the surplus of the which your vicinity of some natural water supplies. As rain falls ROYAL CANADIAN for the protection of its policy holders at the close of last year the car takes on the upon the earth it washes away the accu- was \$509,074, besides stock to the amount of another \$100,000 subscribed but not

The same Blue Book shows that the surplus of the London Mutual was \$67,176 has made a mistake, such as the products of decaying vegeta- composed entirely of the unassessed portion of premium notes which no policy holds

can think, you will currents, and it is not infrequent that the The following table shows at a glance how the affairs of the London Mutual have been going during the last few years :-

Year.	Losses unpaid at close of each year.	Cash available for paying losses at close of each year.	Money Borrowed	Surplus reckoning premium notes at full face value.	Investments each year.
1885	\$6,047	\$63,963	None	\$101,816	None
1886	9,878	50,686	None	115,955	\$6,500
1887	12.455	22,701	\$20,000	97,268	8,000
1888	23.014	20,721	40,000	75,334	None
1889	20,436	13,911	. 40,000	74,068	9,028
1890	26,182	1,403	60,000	67,176	11,797

It should be borne in mind that during the last three years the London Mutual collected in heavy assessments over \$30.000 more than usual, and yet at the close of last year, after collecting a full year's income, they had only \$1,403 with which to pay \$26,182 of unsettled losses. In regard to security no one should hesitate as to which company to select.

S. CORNEIL,

Lindsay, July 22, 1891

Agent Royal Canadian Company.

A. W. HETTGER

Has removed to the store lately occupied by Mrs Gemsjager east of the Benson House, where he will

keep a large stock of

Fancy Goods, Wools, Embroideries, silks and all kunds of Goods in that line

Woois and other articles now Selling at Cost

STAMPING DONE TO ORDER

Dyeing and Scouring promptly and neatly executed

A. W. HETTGER.

FALL AND WINTER

MILLINERY

MISS O'BRIEN

has opened an assortment of the LATEST STYLES IN HATS AND BONNETS,

TRIMMING EFFECTS, ETC.,

ties not yet exposed to public view shows a beautiful collection of the new girdles which Knee, Bow Legs, Club Feet, etc. Also and invites the inspection of the ladies. Many of the new styles are pronounced very handsome, and are really moderate in price.

MISS O'BRIEN,

Three Doors East of Benson House.

TITI 1 1 Watchman

ONLY 50 CENTS PER ANNUM: