THE CITY DIRECTORY.

Hotels and Restaurants.

At regular hours. W. DOYLE, Market Square. BURNETT HOUSE, Ontario St., nearest first class hotel to G. T. R. and K. & P. Stations. T.

Wilson, Proprietor. ALBION HOTEL, corner Queen and Montreal Streets, well situated, with yard and stabling.

NELSON SWITZER, Proprietor. OTTAWA HOTEL, corner o Ontario and Princess Streets. First-class accommodation; yard and stabling. JAMES NORRIS, Proprietor.

Scott's HOTEL, cor. Queen and Ontario Sts. Satisfaction guaranteed. Fine liquors and cigars. Good yard and stabling. A. SIMPSON. INGLO-AMERICAN HOTEL, most convenient

and popular hotel in city, opposite to G.T.R. sta-tion and steamboat landings. Mrs. Shanahan QUEEN'S HOTEL, 125 Brock St. Stabling for 100 horses; yard for 200 vehicles; rooms for 100 ests; meals at all hours; best cigars and li-3 liveries in connection ; conveyances to and from trains. A. VANALSTINE, Prop.

Livery Establishments.

IF. A. BIBBY, 129 Brock Street, the leading back and livery stable in the city. Telephone

C. Wilson, 120 Clarence Street, the largest longest established livery in the city. Telephone No. 179. Vehicles ready at a moment's notice. ELDER BROS., New Livery in connection

class rigs will always be on hand on the shortest McCammon Bros., Kingston Horse Exchange, Livery and Boarding Stables, corner of Brock and Bagot Streets. A new and stylish outfit of

vehicles and excellent horses. Charges mode

with St. Lawrence Hotel on King Street. First

H. P. WELLS' SWERY, foot of Princess St., is the most thoroughly equipped one in the city. having every style of rig kept in a first-class livery. Special rates to opera and commercial men. Telephone No. 10.

Watches and Jewellery.

F. W. SPANGENBURG, manufacturer and importer of fine jewellery, 347 King Street. J. A. LEHEUP, watch maker, jeweller, 68 Brock

St., dealer in watches, clocks and diamonds. SMITH BROS., 345 King St., headquarters for Watches, ranging in price from \$3 to \$200; Silverware and Jewellery.

A. M. BROCK, watchmaker, jeweller and engraver, has every facility for manufacturing and repairing jewellery in all its branches. Golden Diamond Watch Sign, 90 Princess St.

Groceries and Liquors.

J. HALLIGAN & Co., 53 Brock Street. Family groceries, imported wines, liquors and cigars. VICTORIA WAREHOUSE, admitted to be the best place in the city to buy groceries, crockery, china, etc. Thos. H. Johns.

TIERNEY BROS, have removed to their new premises, Brock Street, Market Square, where they show the largest and finest stock of Imported and Domestic Liquors, Teas, Cigars, &c., in the city.

Financial.

CARRUTHERS BROS., Financial Agents, King Street. Money to loan on real estate and other securities.

MONEY TO LOAN in large or small sums at low rates of interest, on City and Farm Property Loans granted on City and County Debentures. Apply to THOMAS BRIGGS, Manager, Frontenac Loan and Investment Society. OFFICE-Opposite the Post Office.

Fruit, Confectionery, &c.

R. H. TOYE.—Try the Milk Rolls and Bath Buns manufactured at the King Street Bakery.

R. H. TOYE, Market Square. THE BEEHIVE-Fine groceries, fine and domestic fruits. Jos. HISCOCK, Masonic Build-

ings, Market Square. W. C. HORTON, dealer in fresh fish, oysters, fruit, etc., 62 Brock Street.

Cigars and Billiards.

R. NEWLANDS, Princess Street, dealer in cigars, tobaccos, pipes, fishing tackle and pocket books. Finest assortment in the city.

HOLDER BROS., (J. B. and F. W.) dealers in choice cigars and tobaccos. Pool and billiard room-inconnection. 239 Bagot St., near Princess

Photographic.

J. W. POWELL has a large stock of Picture Frames and Room Moulding constantly on hand, which will be sold as cheap as it is possible to handle it, being imported direct from the manufacturer. No middle man to have a profit, I can give lower rates than ever. Call and get prices.

H. HENDERSON, Photographer. Enlarged Portraits and Views. Satisfaction guaranteed.

Tailoring.

SUITS TRIMMED and made to order, in latest fashions, at JOHN SHANAHAN'S, Market Square. FOR LATEST AMERICAN STYLES, guaranteed to fit, go to A. O BRIEN'S, 269 Princess St., above

Areated Waters, Etc.

ACKNOWLEDGED by everybody that the finest line of soft drinks manufactured in the city can be found at HINDS BROS', Market Square. They consist of all areated waters. Prompt attention paid to pic-nic parties. AT Telephone

Crockery, Glassware, Etc. E. JONES, 280 Princess Street, has always an

excellent stock of express waggons, crockery, glassware, baskets and fancy goods to choose from. A Registry office for servants in connec-Plumbing and Gas Fitting.

J. G. Bastow, practical sanitarian. Plumb-ng gas and steam fitting, 349 King St. Tele phone, No. 62. Boots and Shoes.

W. ADAMS, mnfr. Men's work a specialty.

Factory work on hand. Brock St., near Market.

THE LARDER.

PEACHES. PEACHES.

CRAWFORD PEACHES for Preserving. Large quantities arriving daily at the BAZ-AAR. ANN Now is the time to buy.

REES BROS.,

Man. Confectioners.

JUST THE THING FOR PIC-NICS. Ginger Ale, Lemon Soda, Birch Beer and

Cream Soda-the finest in the city. Davies Gold Medal Ale in pints and quarts. Also a fine stock of choice Wines and Liquors.

JAMES THOMPSON, 331 and 333 King St

CITY FLOUR STORE.

June 1.

CHOICE FAMILY & BAKERS' FLOUR SEED GRAIN, PRESSED HAY, CLO-VER AND TIMOTHY SEED.

C. D. FRANKLIN, MARKET SQUARE.

THE TOILET.

DYEING WORKS,

PRINCESS ST., - KINGSTON.

All kinds of goods cleaned and dyed and well I put up and have for sale the "Jem Package Dyes," warranted to be the best in the market. Try them. Agents wanted.
R. MONTGOMERY,
Practical Dyer.

CLEANLINESS IS NEXT TO GODLINESS. Hot and Cold Baths at all Hours at

JONES' TONSORIAL PARLOR British American Hotel Block, Clarence St

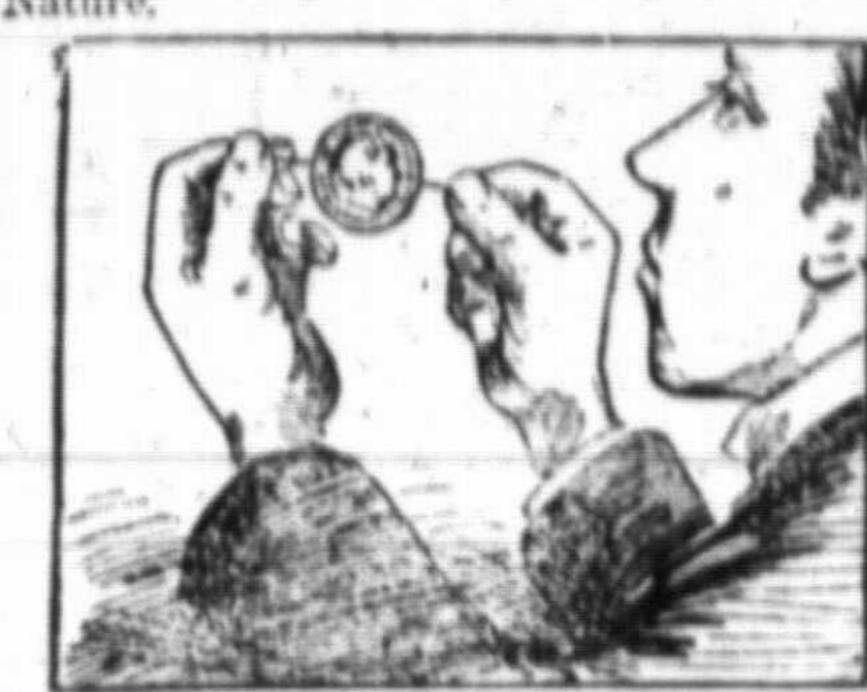
N.B.—These are the only Baths in the city heated by steam thereby securing at all hours hot water

SCIENCE AND PROGRESS.

A NEW METHOD OF JOINING BELTS WITHOUT RIVETING.

Interesting Statistics About the Coal Production in the United States-A Pleasing Experiment with a Coin Illustrated and Described.

The experiment illustrated in the accompanying cut was recently described in La



Lay a coin flat upon a table and seize it with two pins held at the two extremities of the same diameter. It may thus be lifted without trouble, and if the upper part be then blown against it will revolve with great rapidity between the two pins as an axis. The engraving shows the modus operandi.

The Borneo Orangs.

Mr. W. F. Hornaday, in Eclence, says regarding the orang as observed by him in its native forests: "Each individual of the Borneo orangs differs from his fellows, and has as many facial peculiarities belonging to himself alone as can be found in the individuals of any unmixed race of human beings." After recounting the many traits of the orang, heretofore regarded as peculiar to man, he says: "Let any one who is prejudiced against Darwinian views go to the forests of Borneo; let him there watch from day to day this strangely human form in all its various phases of existence; let him see it climb, walk, build its nest, eat and drink, and fight like human 'roughs;' let him see the female suckle her young and carry it astride her hip precisely as do the coolie women of Hindostan; let him witness their human like emotions of affection, satisfaction, pain and childish rage."

Coal Production in the United States.

The following statistics have been compiled for the United States geological survey and are of general interest: The total production of all kinds of coal in 1886, exclusive of that consumed at the mines, known as colliery consumption, was 107,682,209 short tons, valued at \$147,112,755 at the mines. This may be divided into Pennsylvania anthracite, 36,696,-475 short or 32,764,710 long tons, valued at \$71,558,126; all other coals, including bituminous, brown coal, lignite, and small lots of anthracite produced in Arkansas and Colorado, 70.985,734 short tons, valued at \$75,554,-629 The total production, including colliery consumption, was: Pennsylvania anthracite, 31.853,077 long or 39,035,446 short tons; all other coals, 73,707,957 short tons; making the total absolute production of all coals in the United States 112,743,403 short tons, valued t.s follows: Anthracite, \$76,119,120; bituminous, \$78,481,056; total value, \$154,600,176. The total production of all kinds of coal s nows a net gain of 1,785,881 short tons compared with 1885, but a loss in spot value of

Nickel Trucibles.

It is well known that pure nickel is one of the toughest of all the metals, and that it fuses only at very high temperature. It has a very fine grain, takes a high polish, and is very compact and unalterable. These qualities have led to its being employed for crucibles and evaporating dishes. For many purposes, asserts J. A. Wanklyn in Chemical News, crucibles of pure nickel are quite as serviceable as platinum crucibles; and they are much cheaper, costing only about onetenth as much as platinum. They stand the action of alkaiies remarkably well; there was no alteration in the weight of the crucible after caustic potash had been fused in it. Hydrochloric acid in the cold, whether dilute or concentrated, may be used to clean out these crucibles, and no alteration in weight is the result. Cold oil of vitriol is likewise without action; but concentrated nitric acid attacks them, causing rapid loss of weight.

Time Necessary to Feel Cold and Heat. It is well known that a cold sensation reaches the consciousness more rapidly than a sensation of warmth. Dr. Goldscheider, of Berlin, whose researches on the hot and cold points of the skin have gained him a high reputation, has, it is claimed, at last accurately measured the length of time necessary to perceive these sensations. The observations were made on parts equally sensitive to heat and cold, and with intensities of heat and cold equally different from the temperature of the part. The time of contact was recorded electrically by means of a metallic button fixed to the skin. Contact with a cold point was felt on the face after 13.5, on the arm after 18, on the abdomen after 22, on the knee after 25 hundredths of a second. The sensation of a hot point was felt on the same surfaces after 19, 27, 62 and 79 hundredths of a second, respectively. This great difference in time has an important theoretical bearing on the physiology of dermal sensations.

Holes in Shells Accounted For.

You sometimes see shells along our shores having a hole in their side. This hole is perfectly round, and is beveled or counter sunk. It seems to have been made artificially and with great care. How is it to be accounted for? Another shell, the common cockle, which is found in great numbers all along our shores, has done the mischief. It has a tongue, furnished with rows of teeth, giving it a resemblance to a file. When the little creature is hungry, it finds another shell containing a living inhabitant. It at once fastens itself to it, and by means of its teeth covered tongue commences boring or filing a hole, and continues at this employment until it has gotten through the shell to the living inhabitant within. This is what it was after. It has found its food, and can now at its leisure makes its meal.

A New Belt Joint. A new method of joining belts is shown in the accompanying sketch, which will explain

The object of the method is to produce a strong and durable joint without riveting or stretching in the ordinary way. After cutting the ends in the required form, as shown, cement is applied to the sides, and the joint is made. It is advisable that the belt should run in the direction of the arrow, when the A BELT JOINT. machinery is going, so as to prevent the edges of the laps from

coming into contact with any possible ob-

struction.

THEATRICAL GOSSIP.

Sarah Bernhardt has lost her voice perma-

nently, her physician fears. Myra Goodwin begins her tour in "Philosene," a new comedy by Edward E. Kidder,

Robson and Crane mention that they have paid mearly \$45,000 in royalties to American dramatists since 1877.

M. Coquelin, the French actor, is now playing a series of farewell engagements in Europe. He will soon sail for Rio de Janeiro.

Billy Emerson, the minstrel, can't travel without his wife, and makes the poor woman sit in a proscenium box at every performance. Think of being obliged to see a minstrel show eight times a week.

Ludwig Bamay is to visit America this winter under the management of Conreid & Hermann. He is to receive \$1,000 a night for thirty performances, twelve of which will be given in New York at the Academy of

-Mr. F. F. Mackay has been engaged to create the part of Holly (the Baboon) in Mr. Gillette's version of "She," which is to be produced at Niblo's. Mr. Mackay's last appearance in New York was in "The Main Line" at the Lyceum

Mrs. Langtry feels confident that her husband will not remove to this country in order to fight her application for divorce. He is said to receive \$125 per month as an inducement to remain in England, the sum being guaranteed him during life.

Miss Minnie Palmer, who has just returned from Europe via Australia, begins a brief engagement at the Fourteenth street. theatre, New York, Oct. 10, where she will be seen for the first time there in an operetta entitled "The Ring and the Keeper,"

The London Times says of Mary Anderson's double performance of Hermoine and Perdita in "A Winter's Tale," that she has abandoned her early eccentricities of treatment and invented another style more objectionable, and that it is time for common sense to interfere.

Elsie Leslie, who is playing with E. H. Southern and Herbert Archer in the little sketch "Editha's Burglar," in addition to "The Great Pink Pearl," is but 7 years old, but has been on the stage two seasons. Mr. Joseph Jefferson is a great friend of her parents, and took such a fancy to the child that he insisted on having her do his children's characters.

Among recent deaths is that of Mrs. R. Barker, once a popular actress in England, but latterly in retirement. She was of an Irish family and related, it is understood, to Mrs. William Cowell, a prominent actress and singer in Boston for many years, who ultimately, after the death of her husband, settled down in Chicago as a teacher of the dramatic art. It is said that Michael Balfe, the composer, was an uncle of Mrs. Barker.

Herrmann's season is booming in the west. His new feature, "The Black Art," has made a tremendous hit. The Chicago and Louisville business was immense. Negotiations are pending now for securing a prominent New York theatre for a long run. Indications point to this being Herrmann's greatest season. His repertoire is so new and so entirely different from anything he ever produced that he feels sanguine of being able to put in a number of weeks in New York.

Mr. Harry C. Miner, who will have the management of Mrs. J. B. Potter's first professional tour of the United States, has brought from England the right to use a new system of calcium lighting, lately introduced and patented by the manager of the Theatre Royal, Manchester. From seventy-five to 150 lights are used at once, and the effect is sald to be wonderfully fine. The patentee will send his own man over here to put the system in both of the theatres in New York controlled by Mr. Miner.

THE LATEST IN JEWELS.

Mussel shells of silver make unique salt

Lawn tennis rackets of oxidized silver are fashionable lace pins.

A star sapphire in a daisy of diamonds is a rich design in brooches.

In scarf pins, those of black oxidized silver, set with diamonds, are most stylish.

A golden street lamp top, with a diamond for the light, makes an attractive scarf pin. An attractive lace pin is a golden shell

partly open, showing a pearl in its center. Link cuff buttons of platina and gold checker board patterns still meet with favor. Sailor knots, Roman knots, and lovers | their Gents' Department. knots are the prevailing fancies for hairpin

An edelweiss of white enamel, with diamond center, is a handsome design for

A pleasing effect in pendants is obtained by setting a topaz carved in clusters of diamonds and pearls.

Girdles composed of heavy links of onyx with pendants of the same material are now being produced. A new design in pendants is a double star

of diamonds and sapphires, in the center of which rests an opal. A miniature barrel filled with pearls and hanging in the center of a coil of ropes is a

novelty in brooches. A pretty brooch is in the shape of a beetle, with gold legs, diamond neck, ruby eyes, and wings of carbuncle.

A beautiful pendant is heart shaped and contains about twenty diamonds, the largest of which hangs from the center.

The latest in pendants for chatelaines are small reticules, the tops of which are drawn tight and hold half a dozen pearls.

ART AND ARTISTS.

Whistler, the eccentric London artist, is said to be painting a picture of Buffalo Bill. Women are henceforth to be admitted to the competitions of drawing and modeling in the Paris School of Decorative Art.

The painters Munkacsy and Angeli are

among the first members of Kaiser Francis Joseph's new order of Arts and Letters. Mr. Robert Fleury, the Belgian artist, is 89 years old, but still wields his brushes and last year exhibited a portrait of his son at the

Paris salon . The furniture and bric-a-brac which belonged to Marie Regnauit will soon be sold at auction. Large prices will doubtless be obtained for the relics.

The oldest known paintings in England are portraits of Chaucer and Henry IV. The portrait of the former is on a panel and was executed about 1380; that of Henry IV was painted in 1405. The new Thiers monument is by far the

above the entrance it bears in letters of gold on a tablet of green porphyry the legend chosen by Thiers himself: "Patriam dilexit. Veritatem coluit." Mr. Parks, the sculptor, has arrived from Italy with a bust of the late Vice President Hendricks, and all the monument committee are pleased with it, but Mrs. Hendricks says

it does not resemble her late husband. So it

is likely to be rejected.

finest in Pere Lachaise. It is a chapel, and

THE RIGHT PLACE.

GOOD GOODS CHEAP.

This week we have sold a Large quantity of Dress Materials, Hosiery and Kid Gloves, and we can safely say that for Quality and Price we are SECOND TO NONE.



An inspection is cordially invited. No pressing to buy, and Goods marked in Plain Figures at the Lowest Prices.

John Laidlaw & 191 PRINCESS STREET.

WALSH & STEACY'S STOK

COMPLETE

PRICES LOWER THAN EVER

Kid Gloves, Cashmere Gloves, Hosiery, Silks, Velvets, Sealette, Curl and other Cloakings in great variety.

VISITORS TO THE GREAT CENTRAL FAIR

Are invited to look through our Goods and get our Prices. A large staff of salesmen on hand and every one waited on promptly.

WALSH & STEACY.

RECEIVE

M'MAHON'S

---AT---

A Choice Lot of LADIES' CLOAKINGS and ULSTERINGS, a lot that we Cleared from a Manufacturer's Agent and are selling at Montreal Wholesale Prices.

Also a Very Fine Lot Ladies' Kid Gloves (Plain and Heavy Stitched Backs) very cheap.

A. J. McMAHON,

110 Princess Street.

HAINES & LOCKETT

Are well pleased with the steady growth of the trade in

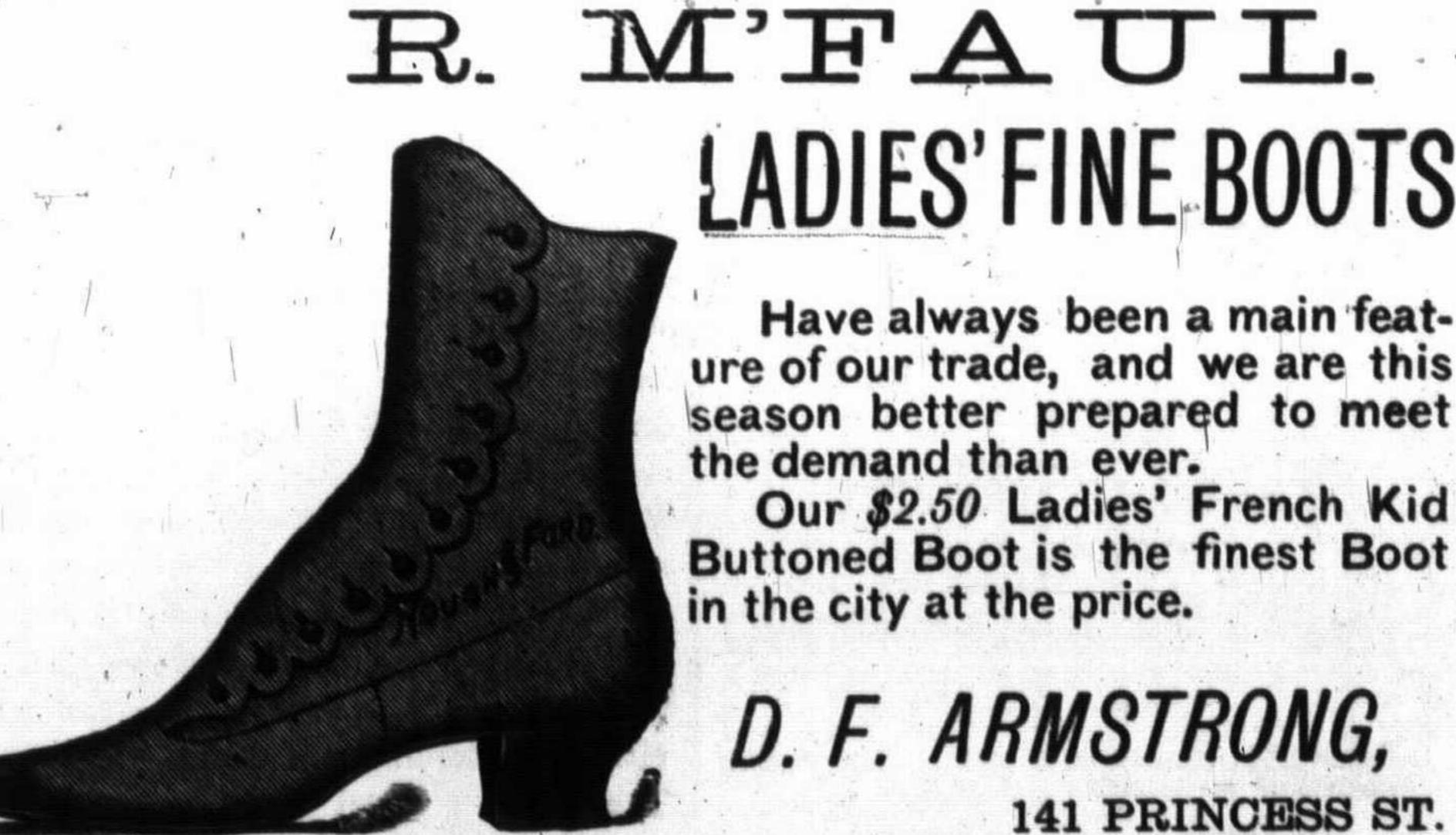
Gentlemen who formerly left their measure now fit themselves with a Ready-Made Fine Boot or Evening Shoe, and express themselves as highly pleased both with style and price.

FALL & WINTER UNDERWEAR,

Some Very Fine Goods just received from Boston.

In Heavy Cottor, Merino, Cashmere and Lambs' Wool.

Also Knitted Wool Skirts, Children's Wool Dresses-Very Low Prices.



LADIES'FINE BOOTS Have always been a main feature of our trade, and we are this

the demand than ever. Our \$2.50 Ladies' French Kid Buttoned Boot is the finest Boot in the city at the price.

D. F. ARMSTRONG, 141 PRINCESS ST.

The Leading Undertaker and Embalmer, PEN - DAY - AND - NIGHT.

Telephone Connection. Office and Residence 254 and 256 Princess Street.

R. REID, MANAGER.