

ELECTRICITY FOR USE.

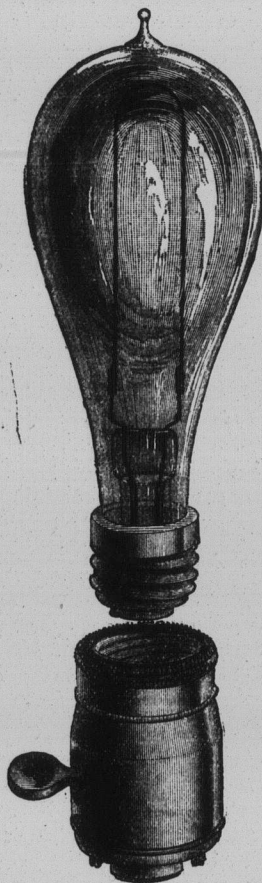
SOME DESCRIPTION OF INCANDESCENT LIGHTING OF TO-DAY.

Some of its Advantages Over Gas—Illustrations of the Thompson-Houston and Brush Lamps and Dynamos, and Edison's Incandescent Lamp and Dynamo, Etc.

The electrical exhibition has given a decided boom to electricity as a lighting and power agent. St. John people are always ready to appreciate a good thing, and the manifold advantages of electricity have been set forth so plainly that the interest of rich and poor has been aroused.

There is an old adage the substance of which intimates that a man's heart is in his pocket; the moment you touch one you are in contact with the other. Whether this be the mainspring of the sudden interest in electricity as a thing for use, is hard to say, but no one can deny that the merchant who is assured that he can illuminate his large or small store for less money by electricity than he can by gas, takes a deeper interest in the cheaper and better lighting material.

Their admiration was excited first in the exhibition building by the rare beauty of the scene about them, by the brilliant flashing parlor incandescent lamps, and the dazzling ling rays of the larger arc lamp more fitted for store or street illumination. Their interest was aroused by the electric welder. There was something to interest everybody from the boy with his box of broken tools at home, to the old gentleman who has seen



EDISON'S INCANDESCENT LAMP.

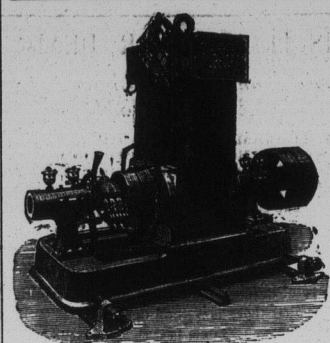
great strides in his day, even from the primitive and imperfect welding methods of his young days. Here was a machine as simple apparently as any about them. There was no glowing forge, no anvil, no muscular assistants to swing the hammer. A neat and natty young gentleman dressed as such, in less time than it takes to describe it, would take two broken pieces of iron or steel rod, place their ends together in a place prepared for them in the welder, turn on the electric current, and in a few seconds the fractured ends are at a white heat and joined so securely that the rod would break as quickly at any other point as where the pieces are joined. The practical use of the welder is so apparent that it has attracted greater interest than almost anything else in the exhibit.

People with wealth and handsome residences were greatly taken with the incandescent system of lighting. There is a mistaken idea abroad that it is dearer than gas. If there is any difference, the incandescent lamp has it, and what a difference between the lights!

Progress undertakes this week to give its readers some idea of electrical lighting, motors and machinery. The interest aroused by the electrical exhibition is more than ordinary, and the information comes at a time when it will be appreciated and understood.

More is known in this section of the arc—that in use in the stores at present—than the incandescent lamp. The latter is likely to replace gas, to a great extent, in this city, as it has already in many American and some Canadian population centres. The value of an Edison incandescent lamp, represented above, is in the carbon within the globe, which requires no expense of inspection or attention, until it is exhausted, when the glass shell is thrown away. It is claimed that the incandescent light is even; that it ranges from 16 to 250 candle power, and that by grouping it will equal, or even excel, the arc light. The construction of the lamp above is interesting. The globe it will be seen is of glass, pear shaped, within which is fixed the loop of carbonized bamboo fibre. The globe is

nearly exhausted of air and sealed as securely as possible to maintain the vacuum. The carbon is rendered incandescent by the opposition it offers to the current passing through it, and thus emits a soft, mellow light, steady and exceeding in brilliancy the illuminating power of a jet of the best gas.



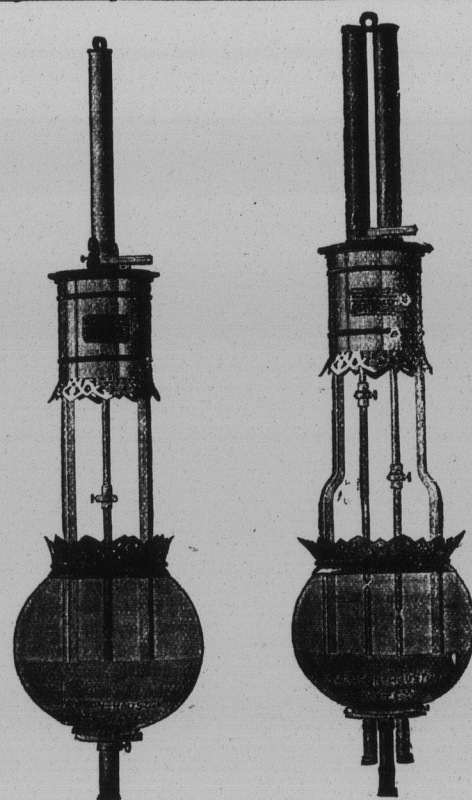
AN EDISON MOTOR.

In a few of the advantages of incandescent light may be included the absence of soot dirt or gases and the consequent condition of ceilings and decorations; the small quantity of heat given off being less than one-twentieth of that of a wax candle; its safety, which has become world wide and led to its introduction into places where artificial light has been forbidden; its application in places where gas could not be used from the fact that there is no flame and no heat; its cost, which does not exceed that of gas, and is less when the saving in items of depreciation of decorations, pictures, etc., is considered; it can be lighted or extinguished in an instant.

A little more space is given to this subject than would be warranted, but for the fact that it may be introduced in the city before long. A writer describes a private house lighted by incandescent lamps:

As we enter the door, we turn a switch close at hand, and immediately the hall is lighted; another switch placed in a convenient position at the parlor door controls the chandelier. The dining-room is lighted in the same convenient manner, and from the dining-room the kitchen lamp is controlled. A switch at the head of the stairway lights the cellar, and enables one to go into the coal vaults without a candle and its usual provoking episodes. The lamp over the back porch is servicable in case of intrusions of man or beast at night, in which event the ever ready switch casts confusion on the trespasser and light on his doings, serving as a protection at a very slight cost. Such lamps are of use every night in winter and are worth many times their cost. Returning to the parlor, we extinguish each lamp as we pass its switch, leaving the rooms behind us in darkness. Wishing to go upstairs, we turn the key of a switch, which lights the lamp in the second story hall, and when we have reached the landing we put out the lamp below by means of a second switch. Inside each bedroom hangs a switch on a flexible cord; press the button and the room is lighted. The cord is long enough to reach the head of the bed, so we hang the switch on a brass hook on the headboard, and it is in easy reach from the bed, ready for use at any time of night. As we go out the hall, we hang the switch on its hook at the side of the door, where we can reach it as we come back, and pressing the button, the room is dark. So each room is inspected, and the convenience and economy of switches made manifest. The light is in use only when needed.

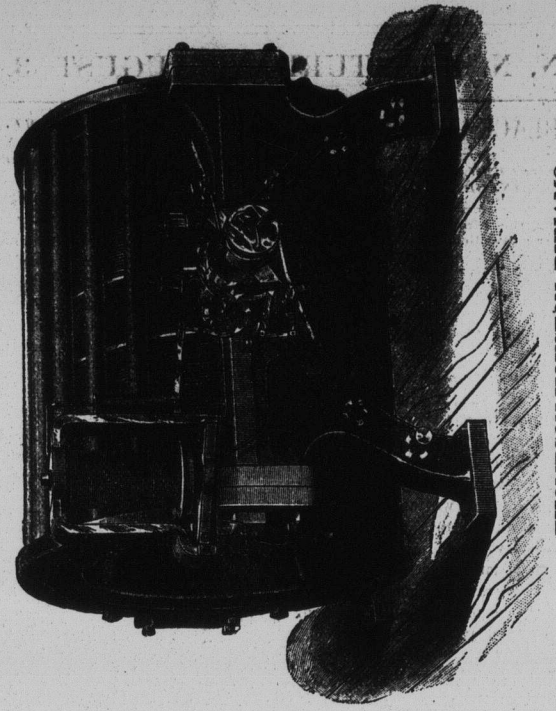
Some of Progress' readers outside of St. John will take a greater interest in the two cuts below than the people in the cities who use them every night. Both of these



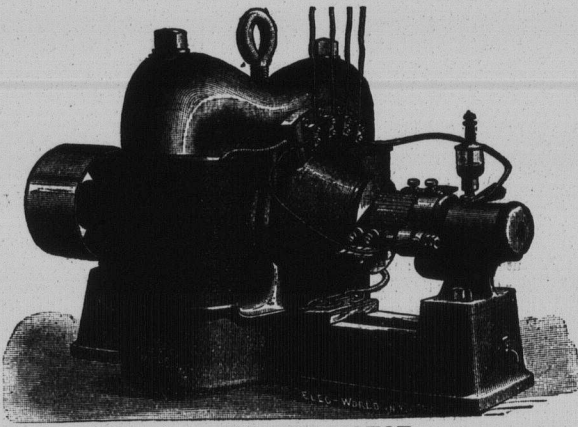
THOMPSON-HOUSTON ARC LAMPS.

arc lamps are in use in this city. That on the left represents a single lamp like most of those used in the city which will burn only a few hours. That on the right is a double lamp intended to burn all night. There cannot be much doubt but in the near future the city will see that for the interests of the citizens the streets should be lighted by the corporation. There is no more reason why a company should not supply us with water as well as light, but on the other hand, the corporation have no good reason for running a street lighting apparatus in one section of the city

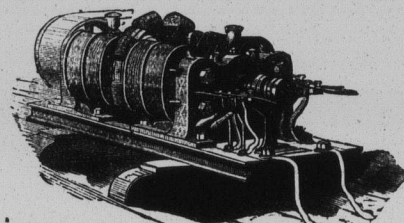
and letting the rest of the city out to contract. The tax-payers could be saved money if the corporation would enlarge its electric plant, and give the city more and better light. This subject is not one for discussion here. It requires more attention than can be given it in this issue. But it will keep.



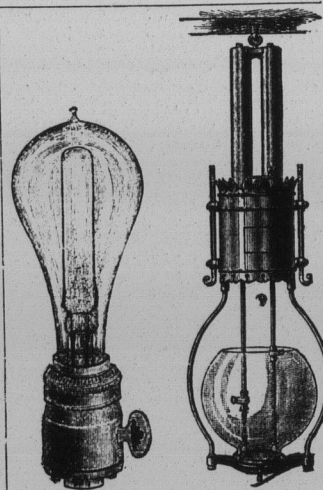
THOMPSON-HOUSTON DYNAMO.



A SPRAGUE MOTOR.



A BRUSH DYNAMO.



BRUSH ARC AND INCANDESCENT LAMP.

He Would Like Cooking School Cake. Little Boy—Our cook has gone away, and I'm awful glad. Now mamma will have to make the cake, and mamma's cake is always heavy. Guest—Well, I declare! Do you prefer heavy cake? Little Boy—Yes'm. You get more chew in' in one piece.—Time.

TWO LOVES.

I wonder if a certain lane So happily is faring As when my first love, Ellen Jane, There took her daily airing. My lollipop I shared with her, And, faintest of misses, For every sweet, without demur, She paid me off in kisses. My latest love is Eleanor, The Jane is quite decided, And though I still divide with her, My pay is undecided. Sometimes when sweets and flowers most rare I on her shrine am showering, Her smiles with sunshine fill the air, But all too oft she's lowering. No matter how I strive and woo, No more for me such bliss is Than when your summers numbered three, And you were Ellen Jane. Sweet Eleanor, though crown are we, My love bring more of pain Than when your summers numbered three, And you were Ellen Jane. —Cora Stuart Wheeler in Century Brico-Broc.

Lost His Place. "So you be studying law, Jones?" "Yes." "Like it?" "No, sir-ree!" "How is that?" "Well, I'd read about half through Blackstone." "Yes." "Had a bookmark to keep my place." "Yes." "Some one stole the bookmark. I couldn't find my place, and had to go clear back to the beginning and read the dratted book all over again."—Chicago Ledger. If you want a situation, invest 10 cents in a "Progress" want.

SPECIAL DEPARTMENT FOR LADIES.

THREE

LEADING LINES IN CORSETS. Every pair of which are guaranteed First-class and fully up to the merits claimed for each line.

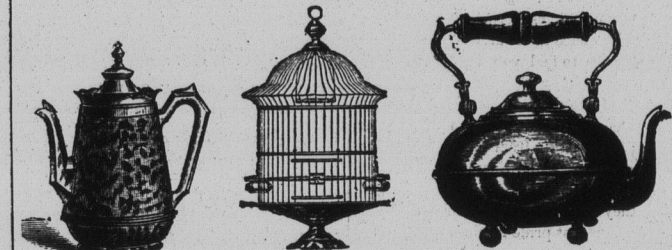
THE "COMMON SENSE" WOVEN CORSET, in White and Drab, 18 to 36 inch., prices from the lowest to finest grades. Special styles suitable for all figures—short, medium or tall, and slender or stout ladies. We sell these as being the Very Best Woven Corset manufactured.

THE "C. P. A-LA-SERENE" CORSET, made in Paris from best French Satteen, perfect in fit and style, and the most comfortable Corset that can be worn by any lady. A genuine C. P. Corset is a most satisfactory purchase. Two qualities—Bon-ton and Perfection—in White and Pearl, 18 to 30 inches.

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To give a list of what we have, or the various lines we carry would be impossible in so limited a space as we have at command. We can, however, truly claim to have the LARGEST STOCK of

STOVES of every description; TINWARE, HOUSEHOLD and KITCHEN FURNISHING GOODS, and similar goods to be found in the Maritime Provinces, and at the Right Prices.

EMERSON & FISHER, 75 to 79 PRINCE WILLIAM and 18 to 20 WATER STREETS.

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Great Clothing Sale

OAK HALL, CORNER KING and GERMAIN STREETS.

Blue Vacation Suits, \$3.75, worth \$5.00. National Worsted Black Dress Suits, \$6.00, worth \$9.00. English Worsted Black 4-Button Cutaway, \$10 and \$12, worth \$15 and \$16. Fancy Worsted Suits, \$7.00, worth \$10.00. PANTS away down, 99c. \$1.00. Good All-Wool Trousers, \$1.25, \$1.50, \$2.00 and \$2.50. Elegant Dress Pants, \$3.00 and up to \$6.00. Umbrellas, Trunks, Valises, Gentlemen's Furnishings. Silk Ties, 9c., 19c., 26c., 49c. CLOTHING made to order.

Scovil, Fraser & Co.

THE NEW CROCKERY STORE, 94 KING STREET.

Pot Pourri and Pot-Pourri Jars

I have just received a very pretty assortment of above goods. ALSO: A VERY FULL LINE OF CUT GLASS TUMBLERS AND GOBLETS. Prices Lower than Ever.

C. MASTERS.



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You will want your House looking well outside as well as inside this summer. Visitors will be here by the thousands. Get A. G. STAPLES to paint them, and have them looking bright and attractive.

But, people who move, do not forget the address, 175 CHARLOTTE STREET.

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