

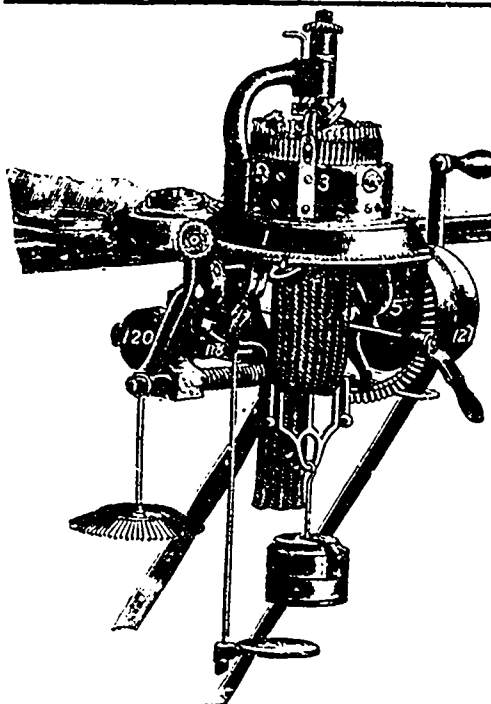
lacquered was shown by Miss Beresford Tully. Special interest attached to the design for a grand piano made by the Reid Mfg. Co., the case and decorations by Mr. G. A. Reid. There was also a mantel decorated by Mr. Reid, designed by Bond & Smith, and manufactured by Rogers, Sons & Co., a very original piece of work. An assortment of samples of olive green carpets was shown by the Toronto Carpet Mfg. Co. Mr. Reid exhibited some designs for mural decorations. Three startling posters for advertising purposes come from J. D. Kelly. Designs in relief, staff and plaster were shown by Bailey & Obon, and W. J. Hynes. There were numerous other articles, all having some distinctive interest.

DOMINION EXHIBITION.

A meeting of the Industrial Exhibition Board was held in the offices of the Association this week to consider a report on the estimates required for new buildings for the proposed Dominion Exhibition next year. The estimates provided for an expenditure of nearly \$200,000 on permanent buildings, of which \$113,000 was recommended and asked for last year, but held over in view of the proposed Dominion Exhibition of 1901. The estimates are made up as follows:—Main building, \$105,000; dairy building, \$12,500; art gallery, \$11,500; stove building, \$9,500; horticultural building, \$15,500; agricultural building, \$8,000; police, fire department and hospital, \$6,500; administration building, \$6,000; repairs to implement building, \$1,500; lavatories, \$3,000; addition to poultry building, \$1,500; fittings for new buildings, \$2,500; natural history

building, \$7,000. The report, which was unanimously adopted, urged upon the Board and the city the importance of letting the contracts as soon as possible, not alone to have the buildings ready in time, but also because both labor and material were advancing in price. It was pointed out that whether the Dominion Exhibition was held

or not, upwards of \$100,000 would have to be expended forthwith on buildings. Dr. Smith, the president; Mr. Robert Davies, vice-president, and Mr. W. J. McWilliams, the solicitor, were appointed a committee to visit Ottawa and urge the Government to give a speedy reply to the application for assistance towards the Dominion Exhibition.



Seamless Hosiery KNITTING MACHINES

WE have been hard at it for nearly
1/3 of a Century.

We have had Success.

Our Customers have had Success.

Why? MERIT and SUPERIORITY
in our Machines tells the story
CATALOGUE FREE.

CREELMAN BROS.,
Manufacturers,
GEORGETOWN, ONTARIO, Canada.

AN IMMENSE CANADIAN BRIDGE.

The Phoenix Bridge Co., of Phoenixville, Pa., has received the contract to build the great St. Lawrence River bridge at Quebec. The contract is said to be the largest ever given to a single concern for the erection of a bridge, the contract price of which will aggregate \$4,500,000. The bridge will be one of the largest in the world and it will require 27,000 tons of steel to build it. It will be 150 feet above the river, so that ships with the tallest masts can pass under it.


The bridge will be seventy-six feet wide and will be built in three spans, two of 600 feet each and the centre span will be 1,800 feet. The middle span will be a cantilever and will be the largest in the world, surpassing the great span of the Tay bridge in Scotland by several hundred feet. The bridge will contain four railway tracks, driveway and walks on each side.

It will take the Phoenix Bridge Co. three years to turn out the structural material and erect the bridge, and in order to do the work much new machinery will have to be secured, and some of the shops will have to be enlarged and equipped for the work. In order to ship the structural material from Phoenixville to Quebec, cars will have to be made, as no cars now in existence would hold the massive beams and girders that will be used in the construction of this great bridge.

The engineers are now busy working on the plans of the bridge, and as soon as they are complete work on the structural material will be begun. The greatest skill will have to be used in building the great cantilever span, as it will be several hundred feet longer than any other like span ever built. To haul the structural material from Phoenixville to Quebec it will require a train of 900 cars.

W. S. Hutton, in his "Steam Boiler Construction," states that "the economy that may be obtained by combustion with forced draft in a steam boiler is due to the increased rate of combustion and increased efficiency of the heating surfaces produced by it, resulting in increased boiler power. The increase of power obtained depends principally upon the quantity of air brought into intimate contact with the fuel in a given time, but the power of the boiler may generally be increased from forty to 100 per cent. by the application of well arranged forced draft."

WARM WEATHER FANS



DUST PROOF ELECTRIC MOTORS
CARRIED IN STOCK
READY FOR OPERATION

B. F. STURTEVANT CO., Boston
New York Philadelphia Chicago London