

Electric Arc Welding Apparatus.—28-page catalogue, well illustrated and containing a complete description of the new multiple unit arc welding outfit. Issued by the C. and C. Electric and Manufacturing Co., Garwood, N.J.

Comparison Between Low Pressure Water Turbines and Centrifugal Pumps and the inferences applied to the construction of irrigation and drainage installations. Illustrated. Issued by the Escher Wyss and Co., Zurich.

The Labor Saver.—Illustrated catalogue devoted to the automatic handling of materials in construction, published in the interest of efficiency and economy in production. Issued by the Stephens-Adamson Manufacturing Co., Aurora, Ill.

What Users Say About the United States Graphite Company's Mexican boiler graphite. A handsomely-bound, printed and well-edited 64-page booklet dealing with scale in boilers and its prevention by the use of the company's product.

Modern Blue-Printing.—By P. M. Morgan, an 8-page pamphlet dealing with the Pease "Peerless" continuous blue-printing equipment, and abstracted from an article appearing in May 29th issue of *The Canadian Engineer*, published by E. R. Watts, Canada, Ltd., Canadian Agent for the C. F. Pease Co., of Chicago.

Steel Armoured Concrete Pipes for Pressure, Drainage and Water Conduits.—A 20-page catalogue descriptive of Siegwart pipes of reinforced concrete, together with tables of measurement, results of tests and diagrammatic illustrations of stresses. The International Siegwart Beam Co., Lucerne, Switzerland, Canadian Agency, F. T. Kaelin, 611 Power Building, Montreal.

Cheap Steam and Machine-Firing.—A 28-page illustrated catalogue containing concise description of the construction and operation of the Gold Medal machine stoker, reports of active tests, and machines in situ on leading types of boilers, the drawings of which should be especially interesting to steam users. Copies may be obtained gratis from G. H. Tod, Manning Chambers, Toronto.

The Explosive Concrete Pile.—A set of bulletins issued by the International Siegwart Beam Company concerning concrete piles "exploded" at the base to afford efficient expansion desirable for foundations on bad ground. Records of trials are contained therein and the bulletins are well illustrated, and printed in English, French and German. Canadian agent, F. T. Kaelin, 611 Power Building, Montreal, Que.

L. S. Starrett and Co.—Illustrated catalogue, No. 20, 320 pages, contains interesting descriptions, illustrations and prices of all kinds of tools for machinists, carpenters, draftsmen, engineers, chauffeurs and other mechanics. In addition there are many pages of data and tables such as metric conversion tables, decimal equivalents, weight computing tables, tapers and angles, wire gauge tables, etc. The arrangement of the catalogue has been somewhat changed from that of No. 19, which makes it easier for reference. Issued by L. S. Starrett and Co., Athol, Mass.

The "Stoney" Sluice and its Application to Water Storage and Control.—144-page catalogue, fourth edition, descriptive of "Stoney" control sluices of which Ransome and Rapier, Ltd., London and Ipswich, England, are the manufacturers. Contains many interesting illustrations of installations and general information relative to water control, ice and flood conditions, general properties of weirs, etc. The work is supplemented by numerous tables and diagrams and the items are carefully indexed making the publication one of value for waterworks' engineers. Issued from the London office of Ransome and Rapier, Ltd., 32 Victoria Street, S.W., London, England.

COAST TO COAST.

Toronto, Ont.—The new custom house planned with other new Dominion Government buildings in this city, will cost \$2,000,000 when completed. Yonge and Front Streets will be widened to provide an approach to the new buildings. The new Union passenger station will also cost in the neighbourhood of \$2,000,000.

Winnipeg, Man.—Applications have been invited in London, for subscriptions for a city of Winnipeg loan of \$3,450,000 at 4½ per cent., the price being 97. The loan, which is redeemable at par in 1963, will be utilized for the extension of the civic water supply and electrical and other public works. Winnipeg's existing liabilities, exclusive of the present issue, amounts to nearly \$35,000,000.

Halifax, N.S.—The Halifax Automobile Association has inaugurated a good roads movement along unique lines. On the 23rd inst., all the auto-owners in the city will start out in their cars with over-all laborers in each, and a plan to thoroughly repair a bad stretch of some twenty miles of road outside the city. Finding that previous financial efforts have failed, the owners now intend to devote their own muscle to improving the highways.

Victoria, B.C.—Plans for the harbor work for this season at Victoria have now been completed by the engineering branch of the Public Works Department at Ottawa, and as soon as the specifications are printed tenders will be called for. The work calls for the building of two piers, one of a thousand feet and the other eight hundred and seventy feet in length. They will be built of concrete and crib work, and will provide three berths for the largest liners. The estimated cost of the work is around two million dollars, and it is said that Victoria will be made a real national port, capable of handling the largest steamers and of taking care of the development which is looked for with the opening of the Panama Canal.

Ottawa, Ont.—Early developments are expected in connection with the Chats Falls water power which the Ontario Hydro-Electric Commission is endeavoring to secure. Mayor Ellis and members of the commission are at Chats Falls looking over the location, and it is understood that immediate action will be taken to hurry matters along. The commission has already served formal notice of expropriation on the private owners of the water powers. But a more important movement is that which it is understood is contemplated by the Dominion Government, the making of complete investigations with a view to cancellation of the transfer by the Laurier government of the most important part of the water power. Ottawa is vitally interested in the matter, as if the Hydro-Electric Commission secures the water powers at Chats Falls, the current for the municipal electric department will come from the plant which would be erected there to serve eastern Ontario.

Victoria, B.C.—The proposal of Sir Richard McBride that the governments of Canada and the United States shall unite in constructing a trunk line of railway that will connect the Alaskan and Canadian lines, is being received with favor wherever it is mentioned. In a private letter from Hon. J. F. A. Strong, Governor of Alaska, he expresses his hearty sympathy with the proposal and his willingness to do whatever he can to promote the mutual welfare of Canada and Alaska. Speaking generally, the proposed railway would be a main artery carrying the life blood of progress to an area of more than three-quarters of a million square miles