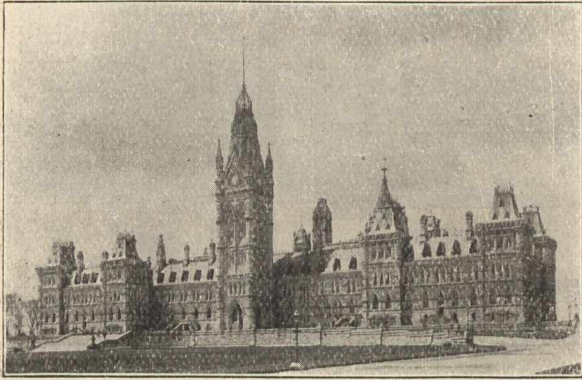


## INTERNATIONAL PATENT RECORD



Dominion Houses of Parliament.

## CANADIAN PATENTS.

Specially compiled by Messrs. Fetherstonhaugh, Dennison and Blackmore  
Patent Attorneys Star Bldg., 18 King St. W., Toronto; Montreal and Ottawa.

**Turbine Pump.**—James Lang.—101,688.—The invention consists essentially of an enclosing casing having inlets at the ends, said inlets having their discharge openings preferably parallel with the shaft. A rotor shaft is journaled in the ends of said casing and the impeller wheels are secured to said shaft. The inlet to the channels in the impeller

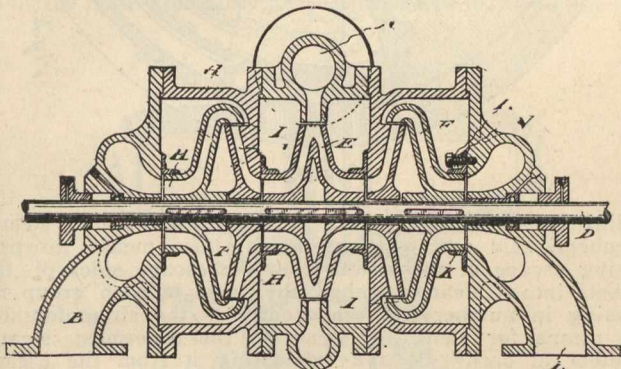
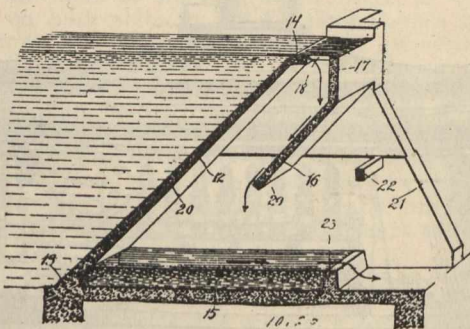


Fig. 1. 101,688

101,688.

wheels are so arranged in alignment with the outlets of the main inlets and extend radially outward, and are directly inward at the outer ends. Inwardly extending radial channels convey the fluid from the discharge end of the channels of the impeller wheels to a central impeller having double inlets extending radially outward and merging at the outer extremity where they discharge to the discharge chamber in the casing.

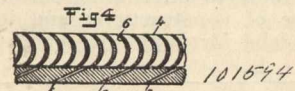
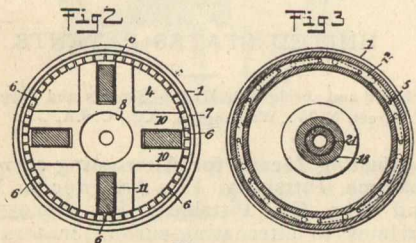
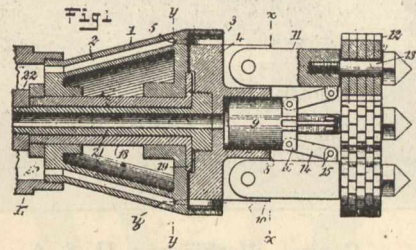
**Dam.**—W. L. Church.—101,258.—The above invention consists of a dam having a front, buttress and a deck at the top thereof, said deck having an opening through the top and



101,258.

a grating covering the same. The heel wall extends downwardly and inwardly below said opening in said deck so that the water flowing through will strike said inward incline and be directed backward and fall on a wear resisting bed from where it flows on down stream.

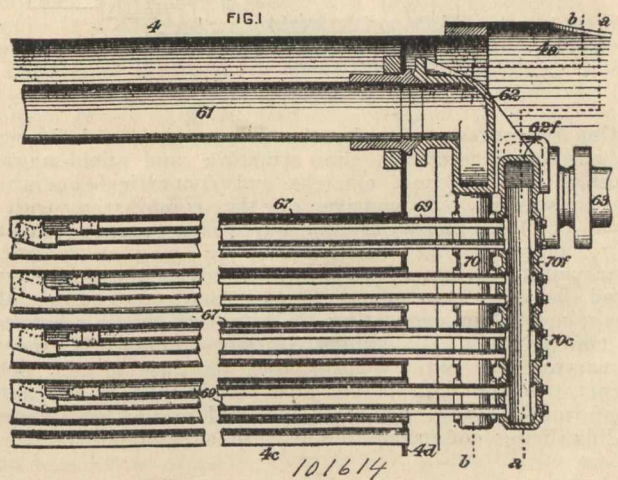
**Tube Cleaner.**—Thomas Andrews.—101,594.—The above invention is a novel form of tube cleaner in which steam is injected through the instrument into the tube. The steam



101,594.

in passage through the instrument is directed through a number of ports against the buckets of a turbine wheel and a rotor scraping tool is secured to and rotated by said turbine.

**Superheater Steam Boiler.**—The American Locomotive Company.—101,614.—The above invention consists in setting pairs of superheater pipes in the superheating tubes, the members of each of said parts being connected together at the rear end, a vertical saturated steam header connected to the forward end of one of each pair of pipes in each of said



101,614.

tubes, a superheated steam header separate from said saturated steam header connected to the forward end of the other pairs of superheater pipes. A T-head connection having a communicating passage from the supply compartment in communication with the saturated steam header to the delivery compartment from the superheated steam header and a wall partially interposed between said chambers.

At the annual meeting of the stockholders of the Joseph Dixon Crucible Company the old board, consisting of Edward F. C. Young, John A. Walker, Edward L. Young, William Murray, George T. Smith, Joseph D. Bedle and George E. Long, was unanimously re-elected. The board of directors re-elected the former officers, namely, E. F. C. Young, president; John A. Walker, vice-president and treasurer; George E. Long, secretary. Judge Joseph D. Bedle was also re-elected as counsel. The stockholders present expressed themselves as thoroughly satisfied with the management of the company by its officers. Of the total number, 7,345 shares, there were represented 6,460 shares.