

portion of the power we will develop at Niagara."—"The News," Toronto, May 9, 1906.

A toast to the Mayor of Niagara Falls, N.Y., proposed by Mr. W. R. Brock, director Dominion Bank, and replied to in a slashing speech by Mayor Cutler, terminated this memorable function. The party then returned at five o'clock

by special train to Toronto, with enlarged vision of the great engineering works they had seen; and to a man determined to see that fair play was given to the captains of industry, who have risked their reputations and encouraged the investment of capital in the commercial interests of Canada.

## INTERNATIONAL PATENT RECORD

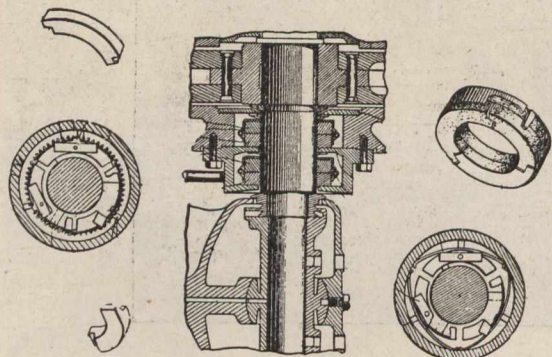


Dominion Houses of Parliament.

### CANADA.

Specially compiled by Messrs. Fetherstonhaugh and Dennison, Patent Attorneys, Toronto, Montreal and Ottawa.

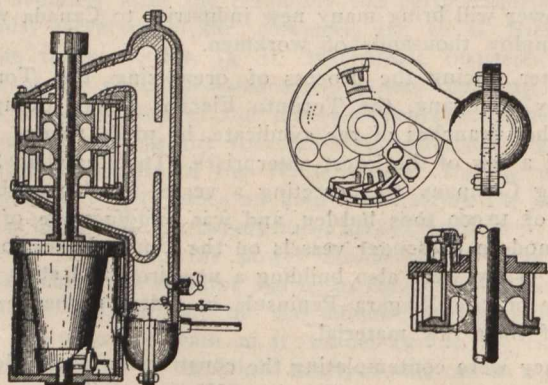
**Packing for Rotary Steam Engines.**—Canadian General Electric Co.—96,769.—The invention consists of pairs of segmental rings arranged to break joints, the abutting ends of the segments being rabbetted together, the meeting surfaces of one ring being parallel with the shaft and in the



96,769.

other ring radial thereto, segmental metallic holders overlapping the joints and having ribs engaging with grooves in said rings, and spring means for compressing said rings on the shaft to take up the wear.

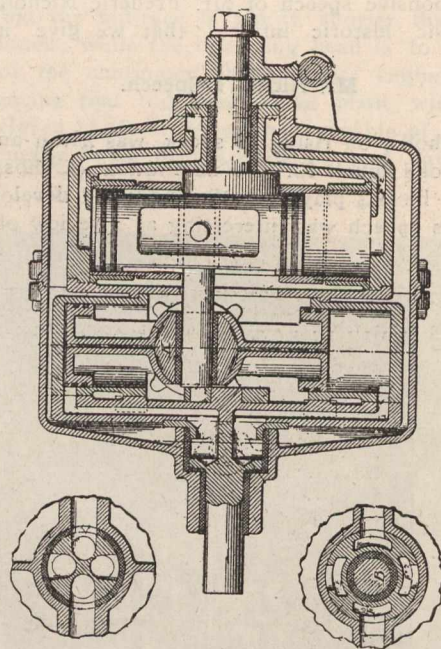
**Turbine Engine.**—Walter Rowbotham.—96,456.—A turbine, comprising an outer casing, a rotor portion within said casing, having a series of radial blades, an inner rotor portion, having a series of nozzles tangentially arranged and rotating within said outer part and in the opposite direction,



96,456.

an air compressor driven by one of said rotor parts and supplying air in compression to a heating chamber, the said heating chamber having a deflector chamber in communication with the supply port of the engine.

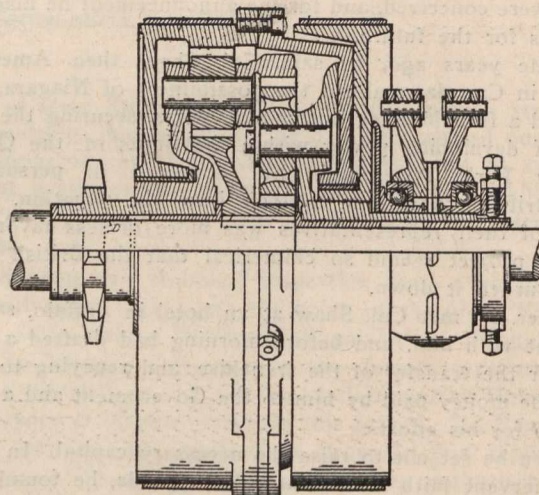
**Multiple Cylinder Engine.**—James T. Halsey.—96,569.—A rotating cylinder frame, having a shaft fixedly secured thereto and to a rotary valve, the ports of which connect through the frame to the cylinders, a pair of cylinders fixed to the frame opposite to each other, a laterally sliding



96,569.

cylinder supported on slides and lying at right angles to the said fixed cylinders, a pair of pistons secured to the sliding cylinder and working in the fixed cylinders, and a piston working in the sliding cylinder and secured to a fixed crank around which the cylinders and pistons rotate.

**Transmission Gear.**—Olds Motor Works.—96,418.—This is essentially a driven wheel revoluble on a shaft, two differential gears fixed to the shaft, a head secured to the driven wheel, having an internal rack surrounding one gear and carrying a planetary pinion engaging the other gear, a housing enclosing both trains of gears having an annular rack engaging the pinion journaled in the said head and carrying a pinion engaging the rack on the said head and the



96,418.

other gear. The heads arranged within and without said housing are movable longitudinally, but rotatably in fixed relation to each other and the inner head has a projecting hub on which is mounted a revoluble cam by means of which the inner and outer heads are clamped yieldingly against the intermediate wall of said housing to lock the said gears.