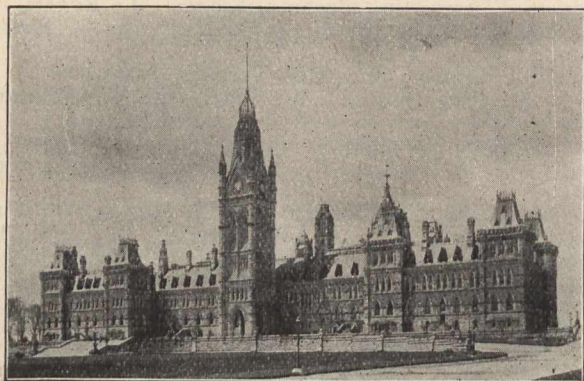


## INTERNATIONAL PATENT RECORD

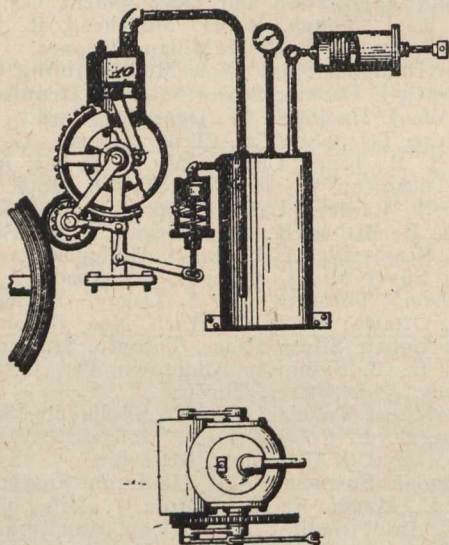


Dominion Houses of Parliament.

## CANADIAN PATENTS.

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

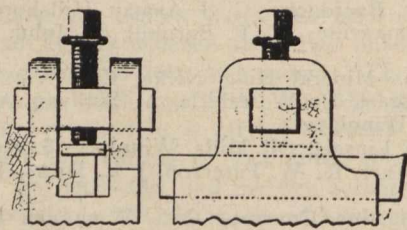
**Air Brakes for Automobiles.**—Fredric Kalisch.—101,949.—  
A small air-compressor and storage tank is arranged in an automobile. The air-compressor is driven through a small friction pulley riding on the flywheel of the engine, and geared to said pump and adapted to be swung clear of the



101,949.

flywheel. A small cylinder containing a spring-held piston is connected to the air tank so that when the pressure rises to a certain point the pump will be automatically stopped and will start again immediately on the reduction of the pressure. A suitable brake cylinder is connected to the tank.

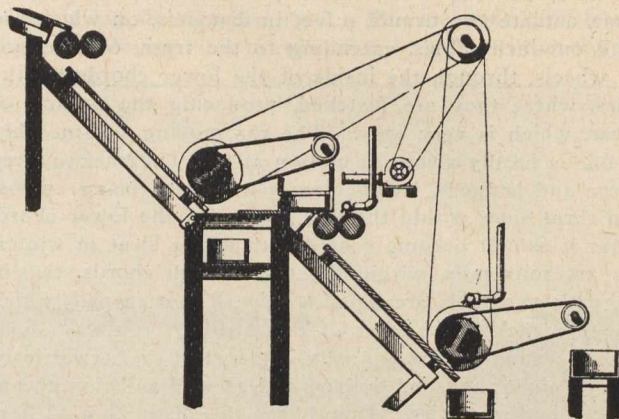
**Tool Holder for Lathes.**—John Bertram and Sons Co.—  
102,282.—1907.—This is a simple tool holder which will enable the tool to be very quickly and easily adjusted, and it consists of a base upon which the tool rests, having ears projecting



102,282.

upwardly from the sides, said ears being mortised to receive a shifting cross-bar. The cross-bar has a suitable threaded orifice through which the set-screw extends, and the said bar may be shifted laterally to bring the set-screw over any portion of the width of the tool desired.

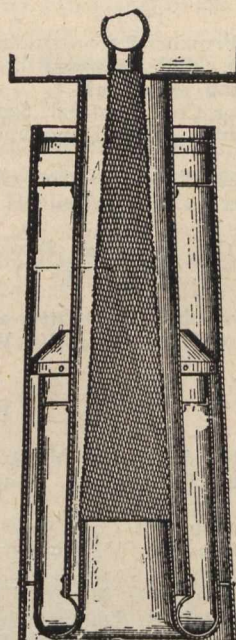
**Method of Recovering Copper.**—T. J. Lovett.—102,220.—  
The invention consists of a combined dry and wet process of concentrating and collecting the non-magnetic sulphide and contained values in low-grade chalcopryite ores carrying a material percentage of magnetic iron. The ore is first crushed in a dry state to reduce the sulphide and iron and



102,220.

dislodge the sulphide powder and passing over an incline the iron particles are magnetically separated. The dry iron particles are then vibrated to dislodge all the adhering sulphide powder, and are then subjected in a wet state to a further crushing, and removing the iron particles magnetically. The remaining portion of the mass is collected and the sulphide concentrates saved from the re-crushed mass.

**Spark Arrester.**—H. L. Lapham.—102,143.—A screen is arranged in the form of a cone within the stack and having a deflecting hood secured to the top of said cone and supported above the top of the stack so that the sparks in their upward travel will be deflected downwardly outside of the



102,143.

stack. An outer casing surrounds the deflecting hood and a baffle plate is inserted below the deflector to turn the smoke, which may pass around the baffle hood upwardly, and allow the deadened spark to drop into the lower portion of said enclosing casing.

Work on the McGregor-Gourlay Company's new plant at Galt is progressing rapidly. The large Pattern Storage is complete, and the bricklayers are now working on the moulding shop. A large three storey pattern shop is to be erected, for which Messrs. Sibley and Miller will do the mason work.