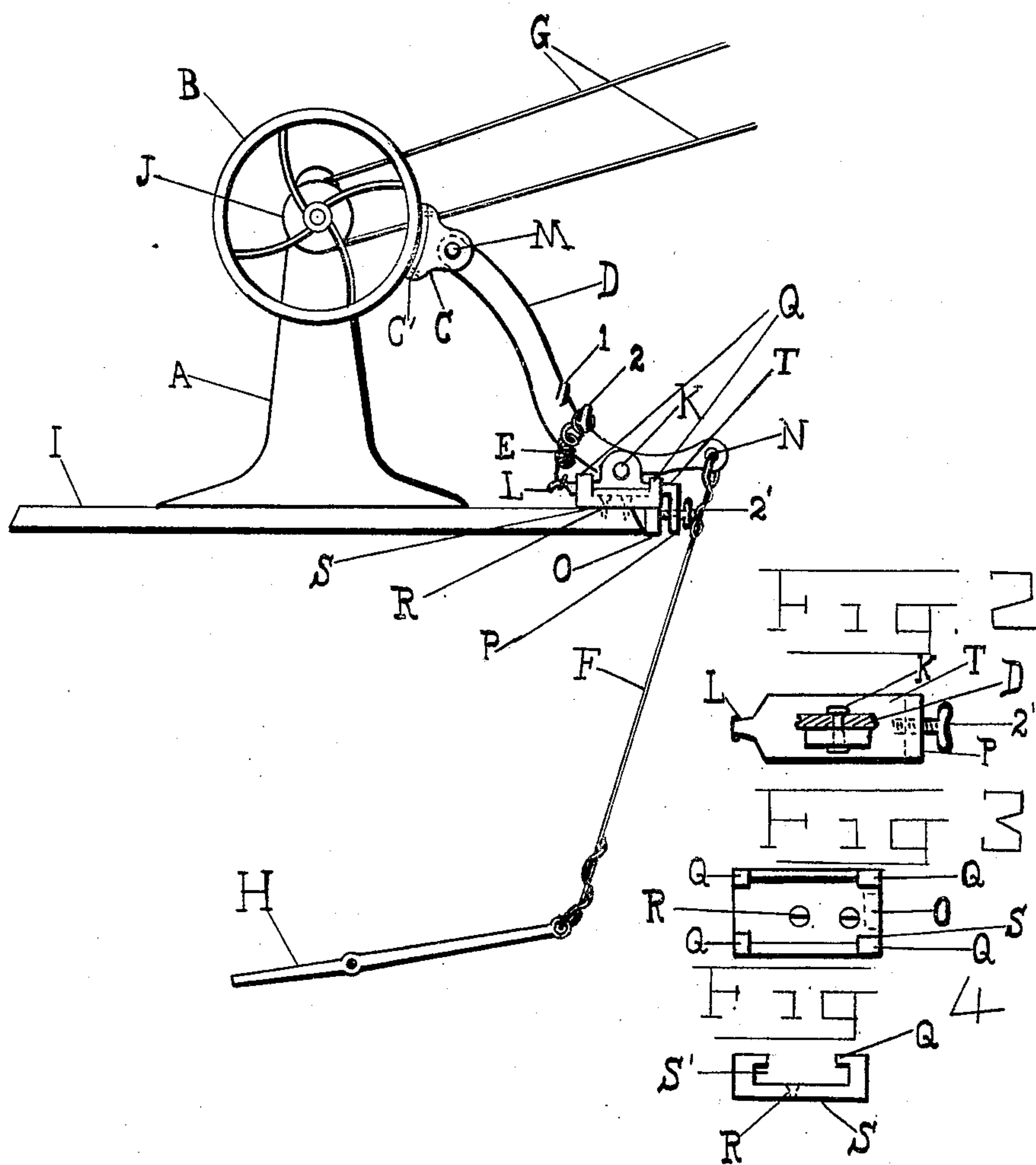


No. 865,532.

PATENTED SEPT. 10, 1907.

A. ROSENBERG.  
BRAKE FOR MACHINES.  
APPLICATION FILED JUNE 20, 1906.

Fig. 1



*Albert Rosenberg* Inventor

Witness *J. L. Rosenberg.*  
*S. L. M. Donnell*

# UNITED STATES PATENT OFFICE.

ALBERT ROSENBERG, OF BALTIMORE, MARYLAND.

## BRAKE FOR MACHINES.

No. 865,532.

Specification of Letters Patent.

Patented Sept. 10, 1907.

Application filed June 20, 1906. Serial No. 322,657.

*To all whom it may concern:*

Be it known that I, ALBERT ROSENBERG, a citizen of the United States of America, and a resident of Baltimore city, in the State of Maryland, have invented certain new and useful Improvements in Brakes for Machines, of which the following is a specification.

This invention relates to brakes for stopping, starting, and regulating the speed of machines operated by a motive power, and has for its objects to provide a novel and efficient brake for automatically stopping a machine, to provide means for regulating the speed of the machine, to provide means for operating the brake, to provide means for adjusting the brake to various makes of machines, to provide means for removably attaching the brake to a machine, to provide an adjustable shoe to a brake, and to provide a movable tension to a brake.

To these ends my invention consists in the features and in the construction, arrangement, or combination of parts hereinafter described, and pointed out in the claims following the description, reference being had to the accompanying drawings, forming part of this specification, wherein—

Figure 1. is a side elevation of my improved brake attached to a sewing machine. Fig. 2. is a plan view of the slidable plate showing the trunnion-pin, and the brake-lever in section. Fig. 3. is a plan view of the plate and cleats whereby the brake is removably secured to the machine table. Fig. 4 is an end view of the said plate and cleats.

Referring to the drawings, the letter A indicates the head of a sewing machine, in which is mounted the hand-wheel B attached to the pulley J driven by the belt G operated by a suitable motor.

The brake shoe C is pivoted to the lever D by the pin M and is provided with a piece of non-abrading substance C' on the surface in contact with the hand-wheel.

E is the tension spring secured by a projection or hook 2 (or 1) to the brake lever D and to the trunnion plate T by the hook L. The trunnion plate T, which is removably attached to the top of the table I by the cleat plate S, carries the lever D which is pivoted to it by the pin K which acts as the fulcrum of the lever D.

R indicates the screws which secure the cleat-plate to the top of the table.

Q indicates the cleats and O a lug cast onto the cleat-plate which serves as a guide for attaching the plate and for securing the trunnion-plate by screwing the thumb-screw 2' into it.

The tension spring E may be removed from the hook 2 to the hook 1 thereby bringing the lever and its shoe nearer the top of the table to accommodate the brake-shoe to such machines having the hand-wheel closer to the table.

S' is the space in which the trunnion-plate slides.

A wire F is attached to the lever D through the hole N and at the other end to the treadle H.

The brake is operated by pressing the treadle H to pull the wire F downward and the lever D will then cause the shoe C to move away from the hand-wheel B, allowing it to be rotated by its pulley J and the belt G.

This brake may be applied to any machine requiring a means for stopping, starting and regulating the speed.

I do not care to limit myself to any particular construction.

Having described my invention, what I claim is—

1. The combination of a pivoted lever, means for mounting the lever comprising a fixed plate and a removable plate on which said lever is pivoted, removably connected with said fixed plate, a brake shoe secured to one arm of the lever, a tension device for normally applying the brake secured between one arm of the lever and the removable plate, and means for releasing the brake, substantially as described.

2. The combination of a pivoted lever, means for mounting the lever comprising a fixed cleat plate, and a trunnion plate on which said lever is pivoted, slidably connected with said cleat plate, and a tension device secured between one arm of the lever and said trunnion plate, a brake shoe secured to one end of the lever, and means for releasing the brake, substantially as described.

Signed by me at Baltimore city this 19th. day of June, 1906.

ALBERT ROSENBERG.

Witnesses:

J. D. ROSENBERG,  
S. F. McDONNELL.