No. 676,574. Patented June 18, 1901.

O. E. COMBS.

SEWING MACHINE BRAKE.

(Application filed Oct. 6, 1900.)

(No Model.)

Fig. 1.

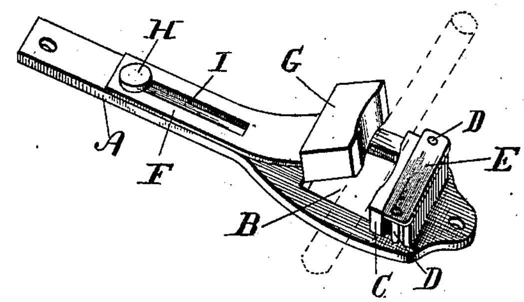


Fig. 2.

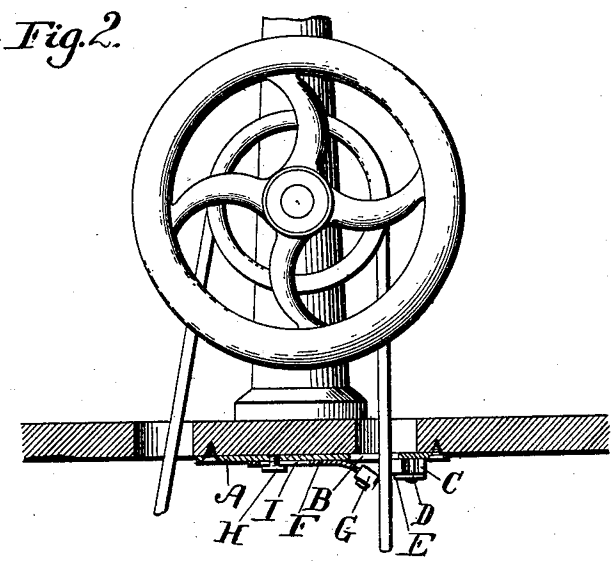
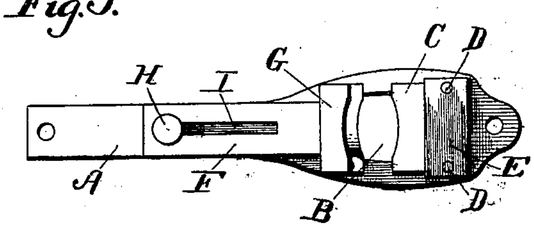


Fig. 3.



Witnesses
G. H. Walmsley.
Clarence Shaw.

Inventor
O. E. Combs.
by O'Meara & Co
Attorneys

UNITED STATES PATENT OFFICE.

OSCAR E. COMBS, OF RINGGOLD, IOWA.

SEWING-MACHINE BRAKE.

SPECIFICATION forming part of Letters Patent No. 676,574, dated June 18, 1901.

Application filed October 6, 1900. Serial No. 32,250. (No model.)

To all whom it may concern:

Be it known that I, OSCAR E. COMBS, a citizen of the United States, residing at Ringgold, in the county of Ringgold and State of Iowa, have invented a new and useful Sewing-Machine Brake, of which the following is a specification.

This invention relates to improvements in sewing-machine brakes; and the object is to provide a simple and improved construction of brake which may be quickly and readily applied to a sewing-machine for the purpose of preventing backward movement of the mechanism of the machine.

With the above object in view the invention consists in the novel features of construction hereinafter fully described, particularly pointed out in the claims, and clearly illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my invention, the belt being shown in dotted lines. Fig. 2 is a sectional view showing my invention applied to a sewing-machine. Fig. 3 is a bottom plan view.

Referring now more particularly to the drawings, A designates a plate, which is secured beneath the belt-opening in the frame of a sewing-machine and formed with an opening B in line with said opening and through which the belt passes, said plate being secured by screws or other securing devices passing through its respective ends. Secured to the under side of said plate A is a plate or block C, of rubber or similar material, which constitutes the stationary jaw of the brake. This jaw is secured to the plate A by rivets D, said rivets having their heads positioned in a plate or metallic strip E, extending on the under side of the block of rubber and resting in notches formed in the sides of said block. The stationary jaw is thus composed of a yielding gripping edge firmly clamped between the main plate and plate E by the rivets. This stationary jaw projects beyond the end wall of the opening of plate A, as illustrated, and is formed with a slight depression in its inner edge to receive the belt.

Secured at one end to the under side of the plate A is a spring-arm F, to the opposite end of which a block of rubber or similar material G is secured. This constitutes the movable jaw of the brake, and the same projects beyond the end wall of the opening toward the gripping-face of the stationary jaw and is formed with a slight depression to receive the belt. The movable jaw is made adjustable, so that it may be moved to or from the stationary jaw through the medium of a set-screw H, passing through a slot I in the spring-arm and entering a threaded opening in the plate A. This movable jaw is bent upwardly slightly at its engaging end, so as to contact with the belt at a point below that of the stationary jaw. The belt passes between said jaws, and while the movement of the same is in the proper direction the movable jaw springs outwardly out of engagement with the belt, so that the same may move freely between said jaws. As soon, however, as the belt moves in the opposite direction the movable jaw is drawn upwardly, wedging the belt between the two jaws and thus preventing the machine from being run backward.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a sewing-machine brake, the combination with a stationary jaw, of a movable jaw, and means for adjusting one of said jaws with relation to the other, substantially as described.

2. A sewing-machine brake comprising a plate formed with a belt-opening, a stationary jaw disposed at one end of said opening, a spring-arm formed with a slot near one end and at its opposite end carrying a jaw disposed at the opposite edge of said opening, and a set-screw passing through said slot and into the plate, substantially as described.

OSCAR E. COMBS.

Witnesses:
C. C. COMBS,
GEORGE HASS.