

J. H. STRONG.
SEWING-MACHINE CASTER.

No. 175,630.

Patented April 4, 1876.

Fig. 1.

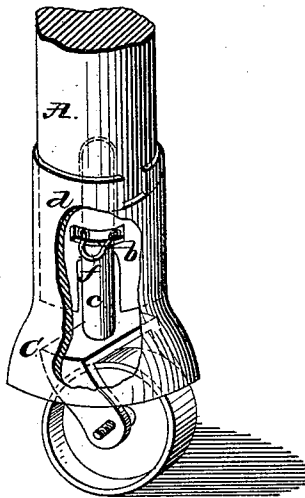
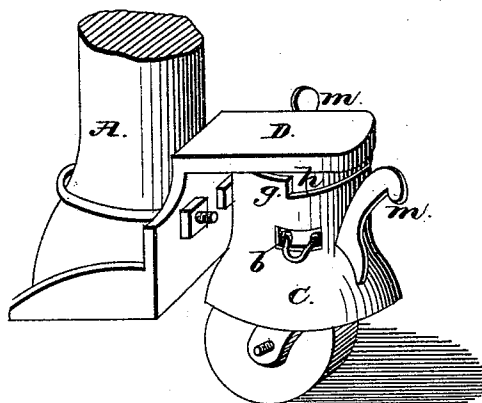


Fig. 2.



Witnesses:

C. A. Johnson..
C. Brammen

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UNITED STATES PATENT OFFICE.

JOSEPH H. STRONG, OF DES MOINES, IOWA.

IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. **175,630**, dated April 4, 1876; application filed January 3, 1876.

To all whom it may concern:

Be it known that I, JOSEPH H. STRONG, of Des Moines, in the county of Polk and State of Iowa, have invented an Improved Caster for Sewing-Machines, of which the following is a specification:

My invention is an improvement of my caster patented March 17, 1874, No. 150,264. It consists in the manner of forming and combining a ring-formed brake with a caster and the foot of a stand, as hereinafter fully set forth.

Figure 1 of my drawing is a perspective view, illustrating my manner of arranging and combining a sewing-machine foot, a caster, and a ring-formed brake. Fig. 2 shows another mode of applying the same operating mechanism by means of a bracket.

A represents the foot of a stand. It has a vertical bore in its center, as indicated by broken lines. *b* is a horizontal slot or mortise, intersecting the bore in the center of the foot. *c* is the spindle or shank of the wheel-bearer B. *d* is a groove in the shank *c*, corresponding in position with the slot *b* in the foot A. *f* is an open-ended loop or staple, passed through the slot *b* in the foot A, and the groove *d* in the shank *c*, to form a bearing for the rotating shank *c*, and to retain the shank in the bore of the foot.

I am aware that a caster has been combined with the foot of a stand in a similar manner; but I consider that my ring-formed brake, in combination with the other elements, is new and advantageous.

Fig. 2 is a perspective view, illustrating my improved manner of applying and operating a ring-formed brake.

C is a ring-formed brake, in the shape of a conical sleeve, designed to pass over the foot of a stand, or a substitute for a foot carried by an attachment or bracket, D. *g* is an inclined plane in the top edge of the sleeve D. *h* is a corresponding inclined plane on the foot or bracket. Similar inclines are formed directly opposite to keep the sleeve and ring-formed brake C in balance. *mm* represent projections on the sleeve C, designed as handles or levers for turning the sleeve. By turning the sleeve C to the left, the fixed and inverted inclined planes *h* on the foot will engage the inclined planes *g* in the top of the sleeve, and press its base and ring-formed brake upon the caster-wheel and lock it. A reverse movement of the sleeve will free the wheel.

I claim as my invention—

1. The caster-pintle *c*, having the groove *d*, the foot or socket A, having the slot *b*, the ring-formed brake C, and the securing-loop *f*, all arranged and combined substantially as and for the purposes shown and described.

2. The ring-formed brake and sleeve C, having the inclined planes *g*, in combination with a foot or bracket, D, having inclined planes *h*, and a caster-wheel, substantially as and for the purposes shown and described.

JOSEPH H. STRONG.

Witnesses:

C. C. BRANNEN,
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