

T. B. GARRETSON.
SEWING-MACHINE CASTER.

No. 172,013.

Patented Jan. 11, 1876.

Fig: 1.

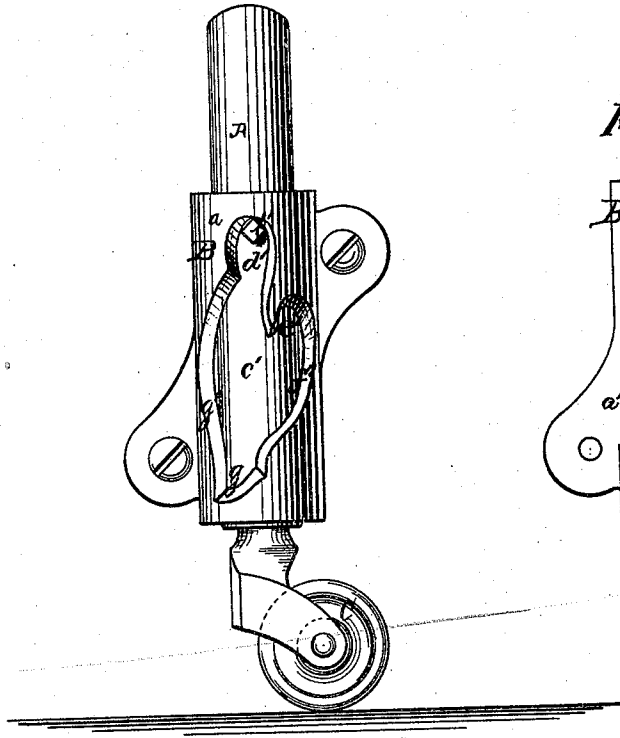


Fig: 2.

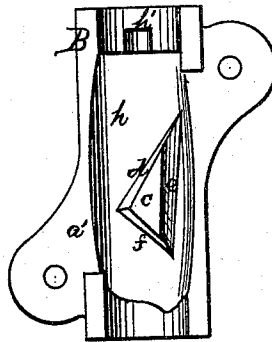
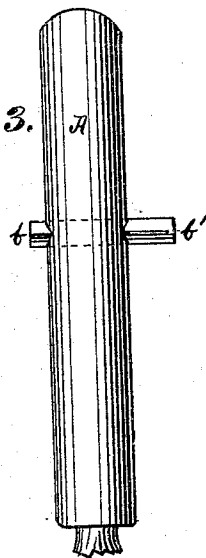


Fig. 3.



Witnesses:

Henry Eichling.
B. S. Clark

Inventor:

Thomas B. Garretson

By *Wm. H. H.*
His Atty.

UNITED STATES PATENT OFFICE.

THOMAS B. GARRETSON, OF OSKALOOSA, IOWA, ASSIGNOR OF ONE-HALF
HIS RIGHT TO CHARLES B. GREWELL, OF SAME PLACE.

IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. **172,013**, dated January 11, 1876; application filed
October 21, 1875.

CASE C.

To all whom it may concern:

Be it known that I, THOMAS B. GARRETSON, of Oskaloosa, county of Mahaska, in the State of Iowa, have invented an Improved Sewing-Machine Caster, of which the following is a specification, reference being had to the accompanying drawings forming part hereof.

My invention consists in a caster adapted to be clamped to the foot or feet of a sewing-machine, constructed with a post carrying the caster-roller working in a socket, and provided with a pin upon one side, which is arranged to engage against a triangular guide-block, formed on the interior wall of the said socket, and also with another pin projecting from the opposite side, which engages and works in an irregular slot or opening in the wall of the socket, and is provided with a lock-notch, as hereinafter particularly set forth, whereby the machine may be mounted on or dismounted from the caster with ease and readiness.

Figure 1 is a side elevation of my caster, showing the arrangement of the irregular slot in the wall of the socket. Fig. 2 is an interior view of the socket-wall bearing the guide-block; and Fig. 3 is a side elevation of the post which carries the caster-roller, showing the arrangement of its projecting pins.

A is the post carrying the caster-roller C. B is the socket, which is conveniently cast or formed in two halves or parts, *a* and *a'*, which are arranged to be clamped together by screws, as shown. The post A works in the socket B, and is provided with the pin *b*, projecting from one side, and the pin *b'*, projecting from the opposite side thereof, as shown in Fig. 3. The pin *b* is arranged in the socket so as to engage with the triangularly-shaped guide-block *c*, which is formed on the interior wall of the part *a'*, as shown, and is made with the face *d*, the channeled side *e*, and the face *f*, as seen in Fig. 2. The pin *b* projects through and engages and works in the tortuous or irregular slot *c'*, which is formed in the wall of the part *a* of the socket, and opposite to the guide-block *c*. The irregular slot *c'* is made with the notch *d'* at its upper end, the lock-

notch *e'* on one side, the curved guide wall or edge *f'*, the notch *g* at its lower extremity, and the curved guide wall or edge *g'*, as shown plainly in Fig. 1. The face of the wall on the interior of the part *a'* of the socket is channeled out somewhat, as shown at *h*, to permit the free movement of the pin *b*, and a notch, *h'*, is preferably provided for the said pin in the upper part of the socket, as shown in Fig. 2.

The operation of my caster is as follows: The socket being raised somewhat with the leg of the machine, the pin *b* will leave the notch *h*, in which it rests, when the machine rests by its feet on the floor, and will traverse the wall of the socket until it meets the face *d* of the guide-block *c*, when, by its movement along said face, it will turn or swing the post A part-way around, thus bringing the pin *b'*, which will have left the notch *d'*, and part-way traversed the slot *c'*, directly under the lock-notch *e'*; and the socket on the leg being now lowered with the machine, the pin *b'* will enter the said lock-notch, and the foot of the machine be thus raised off of the floor, so that the machine may be rolled about on the caster. If the socket be again raised the pin *b'* will leave the lock-notch, and, working against the curved guide wall or edge *f'* of the slot *c'*, will turn or swing the post, so that the pin *b* passing along under the face *f* of the guide-block *c*, will, when the pin *b'* reaches the notch *g*, be directly in line with the channeled or curved side *e* of the guide-block. The socket being now lowered with the foot of the machine, the pin *b'* will traverse along the curved guide-wall of the slot to the notch *d'*, while the pin *b* will traverse the channeled side *e* of the guide-block, and be swung under and pass into the notch *h'*, and the foot of the machine will again rest upon the floor.

I am aware that a caster has been heretofore constructed with a post, having a pin working in tortuous groove formed in the wall of a socket, adapted to be clamped to the leg of a sewing-machine, and for which

Letters Patent have been heretofore granted me, No. 169,097, dated October 26, 1875. I do not herein intend to claim such invention.

My invention as herein described consists in a caster having a post bearing the roller, and which is provided with the pins *b* and *b'*, and works in a socket, B, formed with the channeled wall *h*, the guide-block *c*, and notch *h'* in the part *a'*, and the irregular slot *c'*, and lock-notch *e'* in the wall of the part *a*, as particularly set forth.

What I claim, therefore, as my invention, and desire to secure by Letters Patent, is—

The combination, as an adjustable caster, of the post A, carrying the roller C, and provided with the pins *b* and *b'*, together with the socket B, having the channeled interior wall *h*, and guide-block *c*, and the irregular slot *c'*, and lock-notch *e'* in the opposite wall, all arranged to operate as described, and for the purpose specified.

THOMAS B. GARRETSON.

Witnesses:

JOHN LAFLAND,
JACOB T. HOLE.