T. B. GARRETSON.

Sewing-Machine Caster.

No. 169,097. Patented Oct. 26, 1875.

Fig. 1.

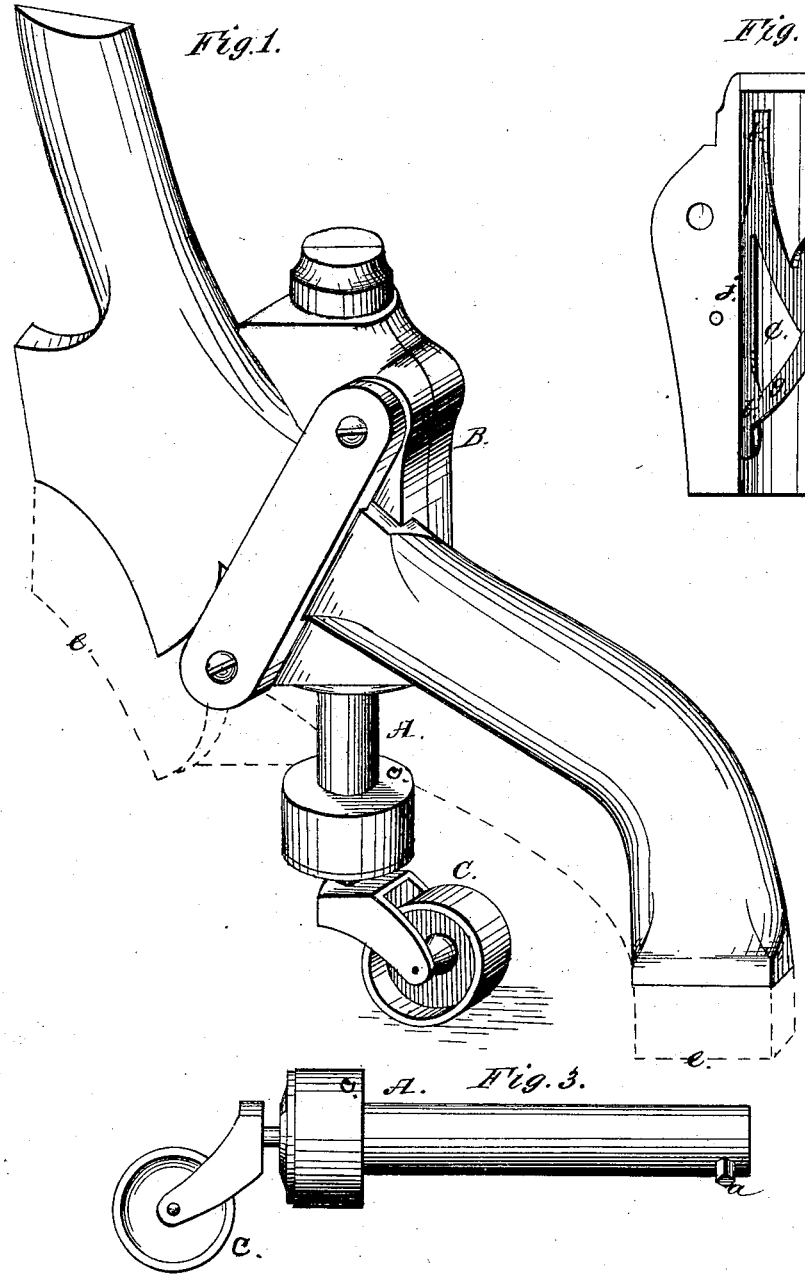

Fig. 2.

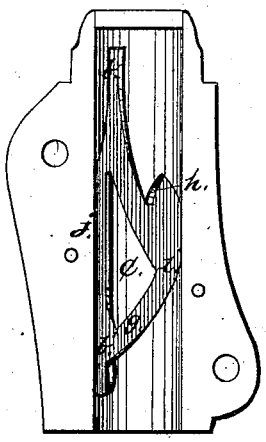

Fig. 3.

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UNITED STATES PATENT OFFICE

THOMAS B. GARRETSON, OF OSKALOOSA, IOWA.

IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. **169,097**, dated October 26, 1875; application filed April 7, 1875.

To all whom it may concern:

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

My invention consists in a cylindrical post or shaft carrying the caster-roller arranged to slide vertically in a cylindrical socket or bearing, and guided and governed in its movement therein by the engagement of a pin projecting laterally from the post or shaft in a tortuous groove or channel, provided with a lock-notch, formed in the wall of the socket, whereby, when the device is suitably secured to the leg or foot of a sewing-machine, the weight of the machine, as borne by said leg or foot, may be readily and conveniently mounted upon the caster and the foot elevated from the floor or dismounted from the caster, and the foot rested upon the floor, the caster at all times remaining upon the floor.

Figure 1 is a side elevation of my caster, showing it clamped in position upon the leg or foot of a sewing-machine. Fig. 2 is a vertical central sectional view of my socket, showing the tortuous groove and lock-notch in the interior wall thereof. Fig. 3 is a side view of the post or shaft carrying the caster-roller, provided with the projecting pin.

A is the cylindrical post or shaft, which is made, preferably, with the shoulder or bearing *c* at its lower end, and carries thereon the caster-roll C. B is the cylindrical socket, in which the post A is arranged to slide, and has the tortuous groove *g* formed in its wall, in which the pin *a* projecting from the post A, as shown, engages. The groove *g* is formed with the notch *b* at its upper end, and the notch *b'* at its lower end, and has the lock-notch *h* formed at one side, as shown, and with the angle *i* in its channel, just below the notch *h*, and the curved channel *j* extending from the notch *b'* to the notch *b*, as shown, thus forming the triangular piece *e* on the wall of the socket.

In fabricating my invention I prefer to cast the socket in two parts or halves, one bearing the groove *g* and lock-notch *h* on its inner wall, as shown in Fig. 2, the other part or half being formed with a smooth interior wall. The post A is adjusted between these two parts, with the pin *a* engaged in the groove *g;* and the whole device is then clamped upon the foot or leg of a sewing-machine, as shown in Fig. 1.

The operation of my invention is as follows: The casters being preferably adjusted one upon each of the two feet on the same end or side of a machine, when the caster is not in use the machine stands level upon its feet on the floor, and the caster rests upon the floor, the post A being entirely inclosed in the socket B, with the pin *a* resting in the notch *b*. When it is desired to rest the machine upon the casters the feet upon which the casters are clamped are raised somewhat from the floor, and the roller C remaining upon the floor the post A will pass part way out of the socket, the pin *a* traveling downward along the groove *g* to the angle *i*, when, the machine being lowered, the pin *a* will pass upward into the lock-notch *h*, and thus lock the caster in position to support the weight of the machine at that side, the feet being elevated from the floor. To dismount the machine from the casters, the side is again raised somewhat higher than before, when the post A drops farther down in the socket, the pin *a* passing out of the lock-notch *h* past the angle *i* along the groove to the notch *b';* and, the machine being then lowered, the post A passes entirely within the socket, the pin *a* traveling along the curved channel *j* until it reaches the notch *b*, and the feet rest again upon the floor.

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

The combination, in a sewing-machine caster, of the post or shaft A, bearing the roller C, and provided with pin *a* and the socket B, having upon its inner wall the tortuous groove or channel *g*, and the lock-notch *h*, as described and shown, for the purpose set forth.

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Witnesses:
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