G. K. PROCTOR.

SEWING-MACHINE CASTERS.

No. 192,877. Patented July 10, 1877.

FIG. 1

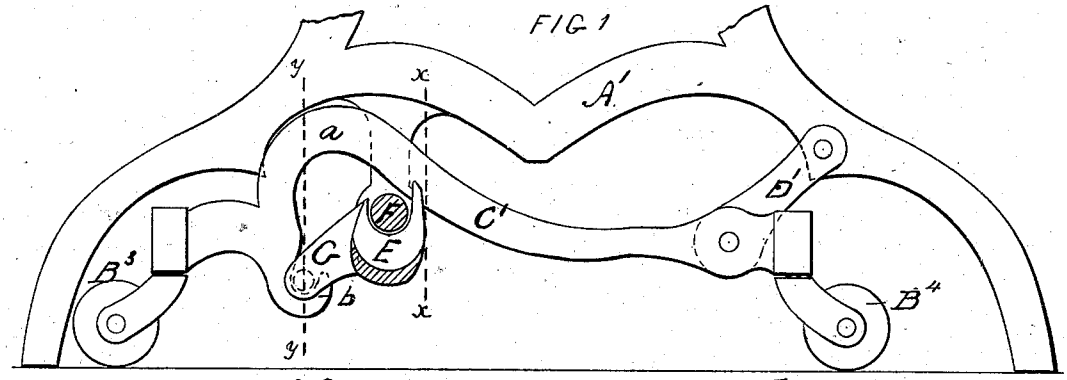


FIG. 2

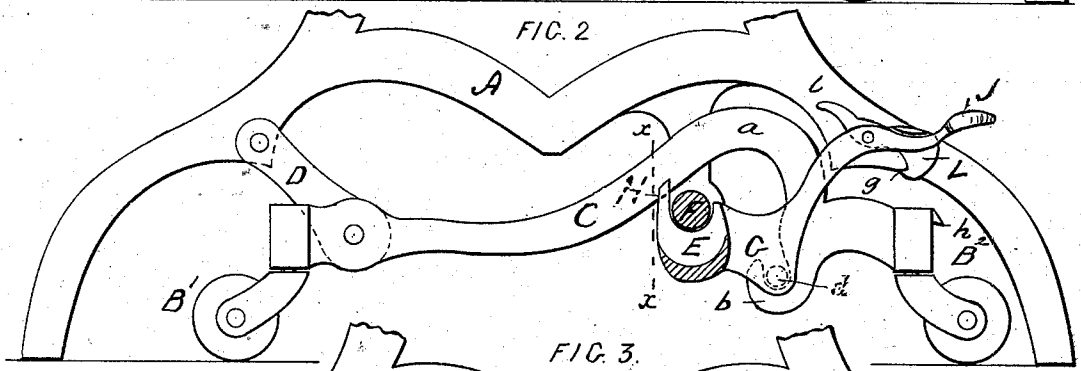


FIG. 3.

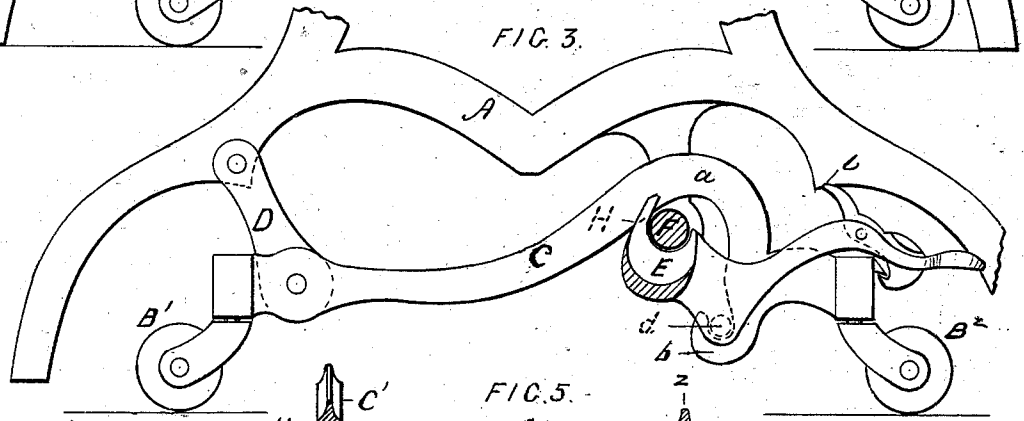


FIG. 4.

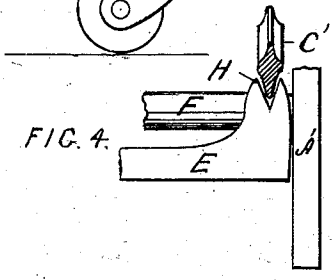


FIG. 5.

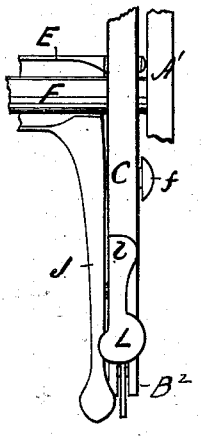


FIG. 6.

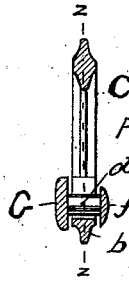
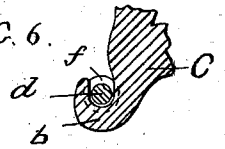


FIG. 7.



WITNESSES.

J. H. Proctor

Geo. H. Earl.

INVENTOR.

G. K. Proctor.

Per Brown Bros.

Attorneys.

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C

UNITED STATES PATENT OFFICE.

GEORGE K. PROCTOR, OF SALEM, MASSACHUSETTS.

IMPROVEMENT IN SEWING-MACHINE CASTERS.

Specification forming part of Letters Patent No. **192,877**, dated July 10, 1877; application filed December 12, 1876.

To all whom it may concern:

Be it known that I, GEORGE K. PROCTOR, of Salem, in the county of Essex and State of Massachusetts, have invented certain new and useful Improvements in Sewing-Machine Casters, of which the following is a specification:

This invention relates to certain improvements in sewing-machine casters, such as illustrated in the patent to James K. Proctor, No. 145,011, dated November 25, 1873; and my invention consists in a bar having a guiding-notch and a pin, in combination with two curved caster-carrying arms provided with downwardly-projecting ends, having hooks which engage with the pin of the aforesaid bar, and links connected with the sewing-machine frame and with the caster-carrying arms, together with a novel arrangement of holding pawls and levers, the particular construction and arrangement of which will be now fully hereinafter described and definitely claimed.

Figures 1 and 2 are inside elevations of each end, respectively, of the caster arrangement, with the sewing-machine stand at rest, as ordinarily; Fig. 3, an inside elevation of the end of the caster arrangement which is shown in Fig. 2, but with the sewing-machine stand at rest on its casters; Fig. 4, a sectional detail view on line *x x*, Figs. 1 and 2; Fig. 5, a plan view of a portion of Fig. 2; Fig. 6, a sectional detail view on line *y y*, Fig. 1, and Fig. 7 a sectional detail view on line *z z*, Fig. 6.

In the drawings, A represents the lower part of an end frame of a sewing-machine stand, and B^1 B^2 two caster-wheels, which are located at such end frames. These caster-wheels B^1 B^2 are carried on at each end of arm C, and the arm at one end is suspended through a link-arm, D, from the inside of the end frame A, and near its other end it is hung to a bar, E, which turns against the under side of the rod F, having the treadle-feet of the machine, and extends thereunder to the other end frame, A′, of the sewing-machine stand, and is then similarly connected to another arm, C′, carrying casters B^3 and B^4, like the arm C, and also similarly arranged and hung to such end frame A′ by a link, D.

These two caster-carrying arms make, with the connecting-bar E, above described, the caster-frame of the attachment, and in so far as the above description goes, said frame is substantially the same as that of the said Patent No. 145,011, and makes no part of this invention, which is upon a construction and arrangement thereof to be now described.

Each arm C and C′ is curved at *a*, so as to cross at the upper side of the treadle-rod F, and allow the caster-plane to be swung in the sewing-machine stand, to bring the caster into and out of a position of rest for the stand. Each arm C and C′ extends downward and forms a hook, *b*, which serves as a bearing for the pin *d*, having a head, *f*, of an arm-extension, G, of bar E. This curving and arranging of the arms C and C′, and their hook-connection to the bar E, together with the link-suspension of the said arms, as described, secures the caster-frame to the stand, as is obvious. Each arm C and C′ plays through a notch, H, of the bar E, which is under the treadle-rod F, and by this notch, in connection with the headed pin *d*, the arms C and C′ are held from lateral play as operated.

The hook-connections of the arms C and C′ to the bar F enable the several parts to be readily attached to and detached from the sewing-machine stand, as is obvious, and also lessens the cost of the manufacture and the adaptation of the caster attachment.

J, the treadle-lever, for operating the caster-frame and lifting the machine on its casters; L, a pawl, hung to said lever J and in position to engage, by its hook-shaped edge *g*, with the hook-shaped edge *h* of the caster-arm C, so as to fasten the caster-frame when its casters are in a position of rest on the floor.

To release this pawl L from engagement, simply press on its end *l*.

By having the arm C above the treadle-rod F, and also connected to the bar E, all substantially as shown and described, the several parts of the caster attachment are held in proper place, whatever the position of the stand in transportation, &c.

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

1. The bar E, constructed with the guiding-notch H, and provided with the pin *d*, in combination with the curved arms C C′, carrying the caster-wheels, and provided with the downwardly-bent ends, having hooks *b*, connected with the pin *d* of the bar E, and the links D D′, connected with the sewing-machine frame, and with the caster-carrying arms, as and for the purpose set forth.

2. The holding-pawl L, in combination with the treadle-lever J and caster-carrying arm C, all as described, for the purpose specified.

GEO. K. PROCTOR.

Witnesses:
EDWIN W. BROWN,
J. K. PROCTOR.