

UNITED STATES PATENT OFFICE.

THOMAS MARSH, OF NORTH PROVIDENCE, RHODE ISLAND.

IMPROVEMENT IN SUPPORTERS FOR SPINNING-RINGS.

Specification forming part of Letters Patent No. 118,622, dated August 29, 1871.

To all whom it may concern:

Be it known that I, THOMAS MARSH, of North Providence, county of Providence, State of Rhode Island, have invented certain new and useful Improvements in Rings and Ring-Supporters for Spinning-Frames, of which the following is a specification:

The nature of my invention consists in making a dovetail or cut-under rabbet in the ring-supporter a little smaller than that part of the ring which the supporter holds, so that, as the supporter has cuts or kerfs in it, the ring may be forced into the rabbet in the supporter, in which case the supporter contracts onto the ring by its own elasticity.

Figure 1 represents a plan of the ring-supporter. Fig. 2 is a section, showing a ring-supporter and the ring itself. Fig. 3 is a plan, showing the under side of a ring. Fig. 4 is a section, showing the ring inverted.

Let A represent that part of the spinning-frame to which the rings are attached. B, Figs. 1 and 2, represents a ring-supporter provided with a rabbet, *c c'*, on its upper face, as represented in Figs. 1 and 2. The wall of the rabbet is somewhat cut under, as represented at *c'*, Fig. 2, so that it may more securely hold the corresponding number, *d*, Fig. 4, on the under side of the spin-

ning-ring. The ring-supporter B has a cut or kerf, as shown at D, Fig. 1, to admit its taking the number *d* of the ring into its rabbet *c c'*, as represented in Fig. 2. The rabbet *c c'* of the ring-supporter, Fig. 1, is eccentric to the body to admit the adjustment of the center of the ring in relation to the center of the opening of the ring-frame A. The ring itself is made as represented in Figs. 3 and 4, being provided with an eccentric number, *d e*, on its lower edge, as represented in Fig. 4. This eccentric number *d e* fits into the rabbet *c c'* of the ring-supporter B, Fig. 2.

By this construction of the kerfed ring-supporter, the eccentric rabbet *c c'*, and the rabbeted ring C, I am enabled to apply or remove the ring with very little trouble, and also to adjust the ring with reference to the spindle by simply turning the ring-supporter or the ring itself, or both.

I claim as my invention—

The cut or kerfed and rabbeted ring-supporter B, when the rabbet is cut under or dovetailed, as described, and engages a corresponding part on the ring which it is intended to hold, substantially as described.

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Witnesses:

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[117.]

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Improvement in Sad Irons.

No. 118,623.

Patented Aug. 29, 1871.

Fig. 1.

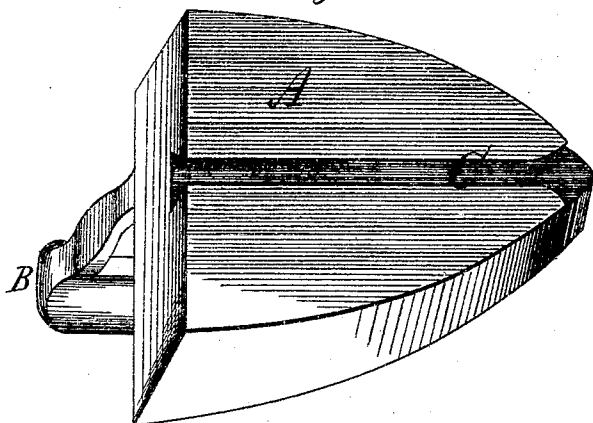


Fig. 2.

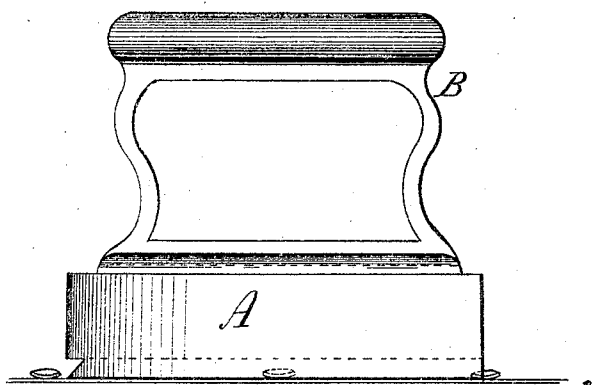
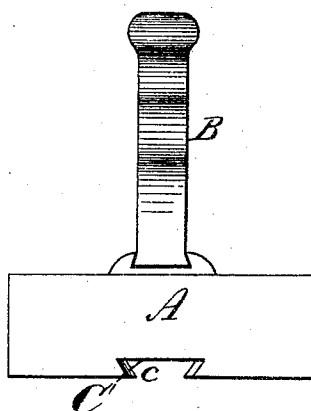


Fig. 3.



Witnesses.
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