

M. H. Mosman,

Putting Coiled Wire around Edges of Lamin Deflectors.
No. 97,215. *Patented Nov. 23, 1869.*

Fig. 1.

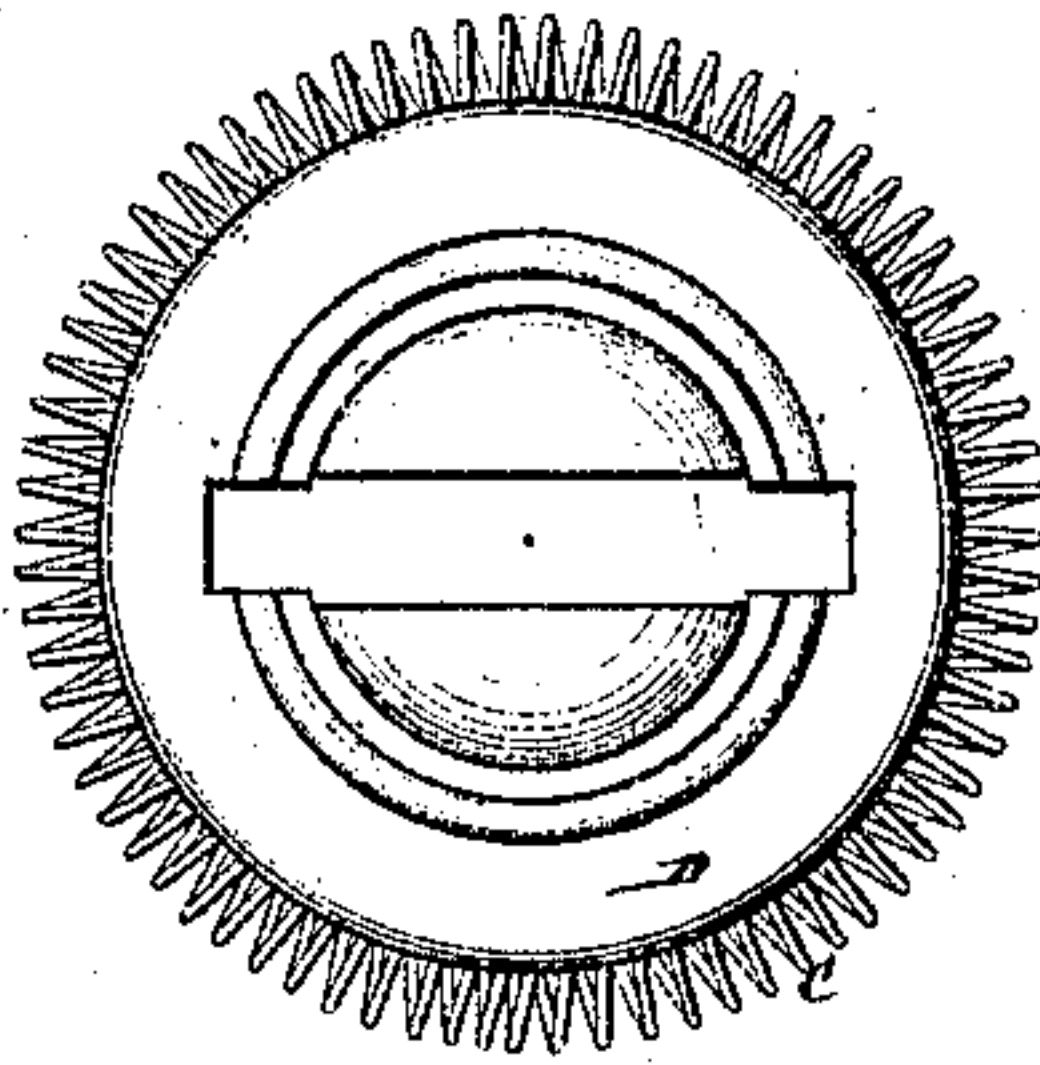


Fig. 3.

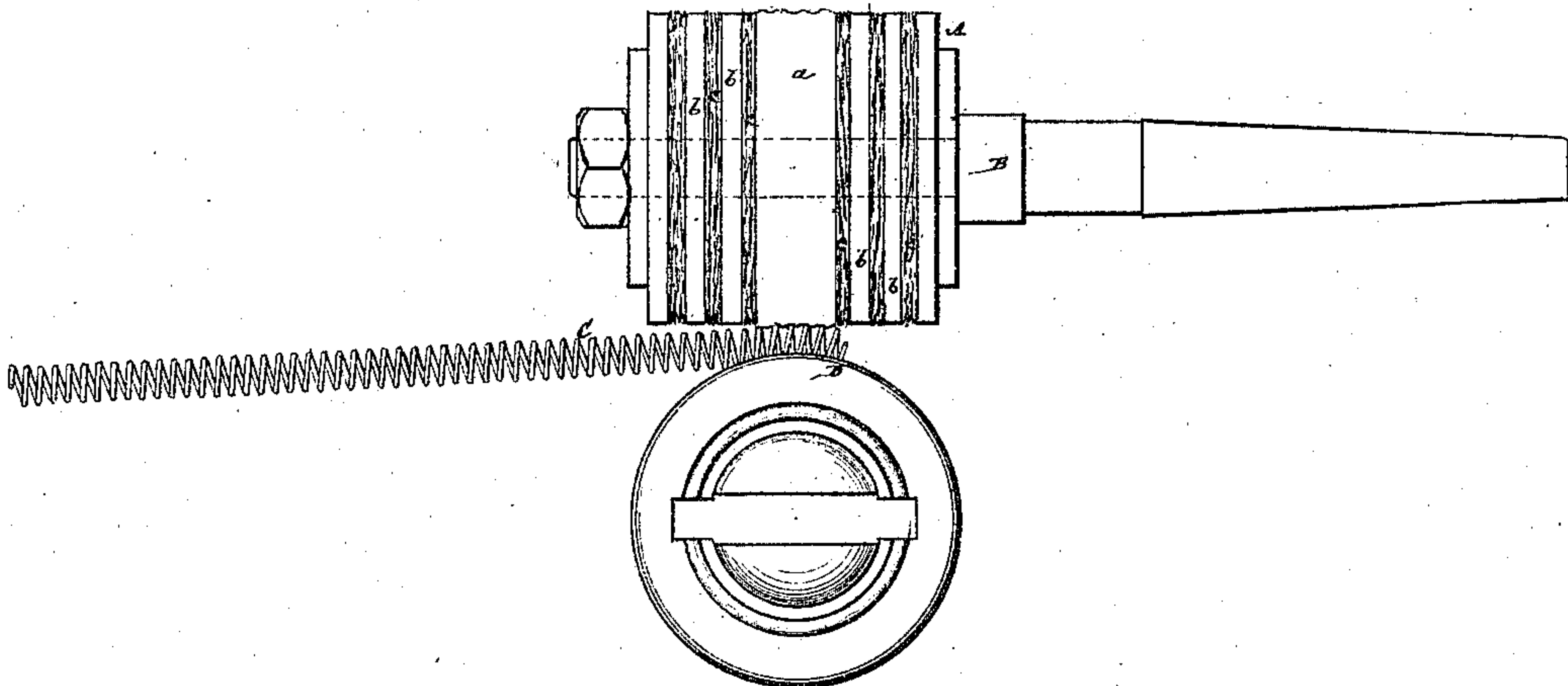


Fig. 2.

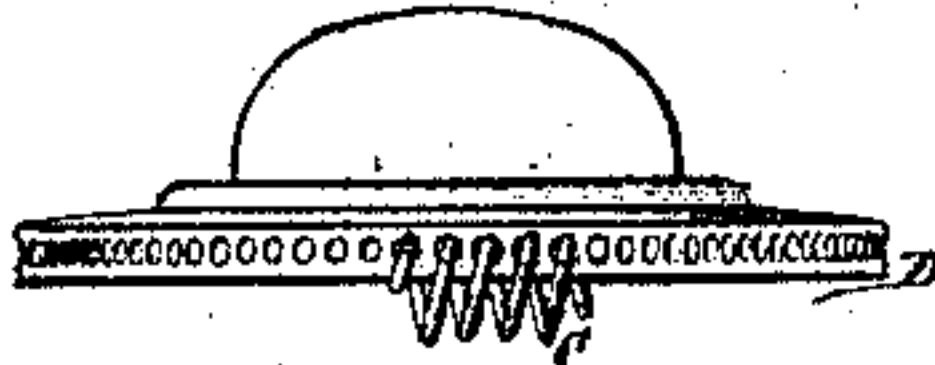
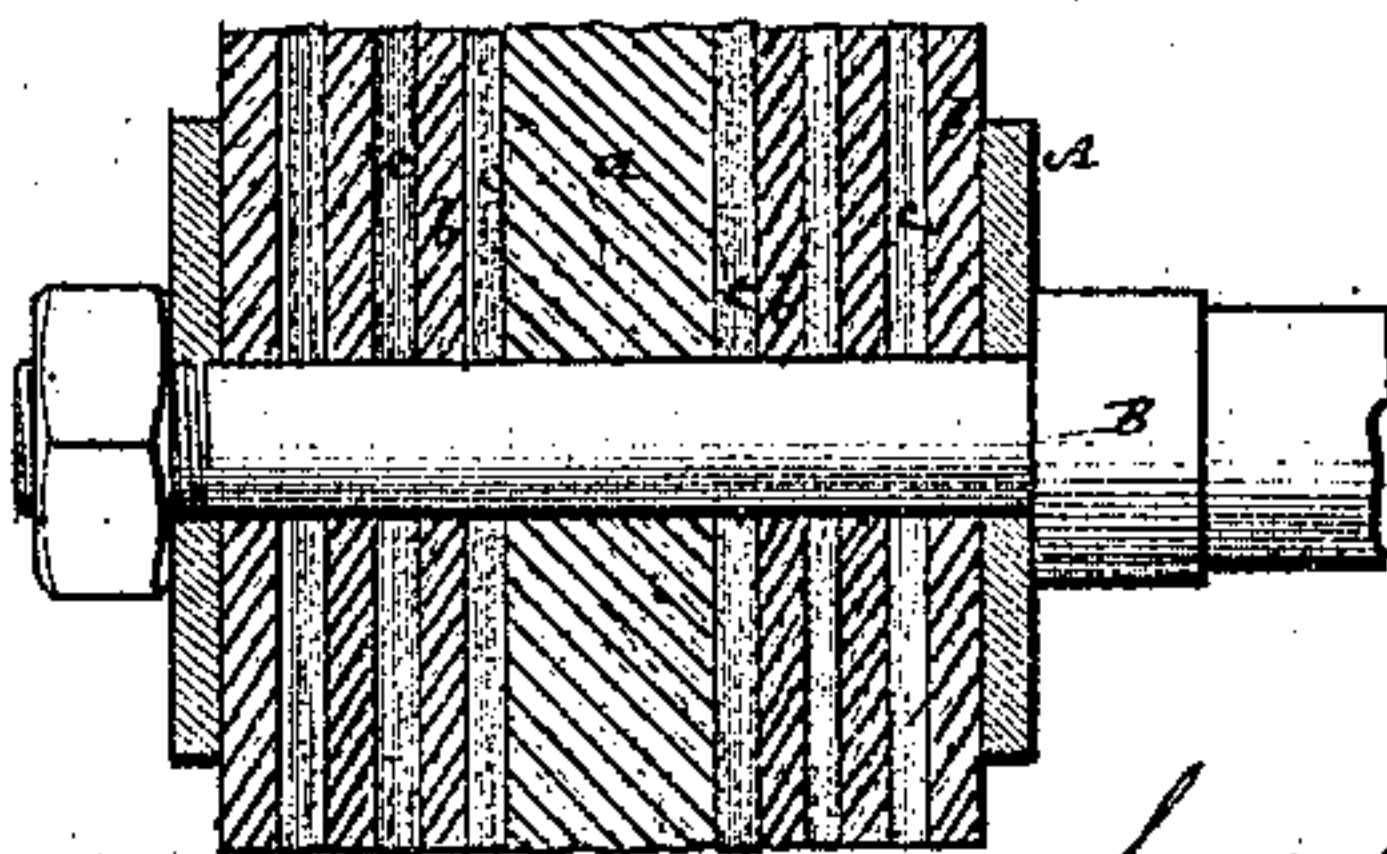


Fig. 4.



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M. H. MOSMAN, OF WATERBURY, CONNECTICUT.

Letters Patent No. 97,215, dated November 23, 1869.

IMPROVEMENT IN BUFFERS FOR INSERTING COILED WIRE AROUND THE EDGES OF LAMP-DEFLECTORS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, M. H. MOSMAN, of Waterbury, in the county of New Haven, and State of Connecticut, have invented a new and useful Device for Putting Coiled Wire on or around the Edges of Lamp-Deflectors, and other articles; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawing, forming part of this specification, and in which—

Figure 1 represents a top view of a lamp-deflector, with the coiled wire arranged around its edge;

Figure 2, a side view of the same, with said wire, in part, applied thereto;

Figure 3, a horizontal view of a buff or buffer, as employed in putting the wire on the deflector; and

Figure 4, a horizontal section through said buffer.

Similar letters of reference indicate corresponding parts.

Although applicable to putting coiled wire on or around the edges of various articles, it will suffice here to describe my invention as used for putting coiled wire on or around the edges of lamp-deflectors, to form an elastic support to the chimney.

Heretofore, it has been customary to thus wire said deflectors by piercing them with small holes, closely arranged around their edges, and holding and turning the deflector in or by the one hand, while the coiled wire, after having been carefully entered through a few of the holes, is repeatedly stroked or rubbed by the other hand, to make it worm or thread its way around the perforated edge of the deflector.

This is a slow and tedious process, and the object of my invention is to substitute, for the hand, a mechanical device or contrivance, that will accomplish the putting on of the wire in only a tithe of the time required by the old hand-process. To this end,

The invention consists in a peculiarly-constructed buff or buffer, hung on a mandrel that is made to rotate, so that it is only necessary to press, at opposite or distant points, the coiled wire, after it has been entered through a few of the holes in the edge of the

deflector, against said buffer, by suitably holding and turning the deflector for the purpose.

Referring to the accompanying drawing—

A represents a buff or buffer, hung on a mandrel, B, that may be entered in a lathe, and made to revolve for the purpose of rotating the buffer.

This buff or buffer A, after numerous experiments with bodies made wholly of rubber, or wholly of cloth or woven fabric, I find it necessary to construct partly of rubber or rubber-cloth, and partly of cloth woven from cotton or other suitable fibrous material or materials, and to arrange such divided construction of it by alternate layers of the rubber or rubber-cloth, and woven cloth or fabric. Thus, in the accompanying drawing, said buffer is represented as made up of a central disk of rubber, *a*, and alternate layers or disks of rubber-cloth, *b*, and cloth, *c*, woven from cotton or other suitable fibrous material, in a succession of adjacent thicknesses.

The coiled wire C having been entered through a few of the holes made in the edge of the deflector D, the latter, with the wire thus started in it, is held up by the hand against the rapidly-revolving buffer, firstly, bringing the wire, at its entered end or portion, against the buffer, and then turning the deflector half round, to bring the wire, run into it by such previous contact with the buffer, against the latter, on the opposite side of the deflector, which finishes the operation; or, at least, two such touches of the wire against the buffer will generally suffice to cause the latter to work or worm the wire all around the deflector.

In this way may a large number of deflectors be wired in the same time that a very few only could be under the old or hand-process.

What is here claimed, and desired to be secured by Letters Patent, is—

The buff or buffer A, when constructed substantially as described, for operation, essentially as and for the purpose or purposes herein set forth.

Witnesses: M. H. MOSMAN.

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