

(No Model.)

J. L. OSGOOD.
LEATHER WASHER.

No. 591,193.

Patented Oct. 5, 1897.

Fig.1.

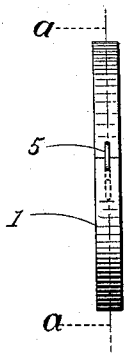


Fig.2.

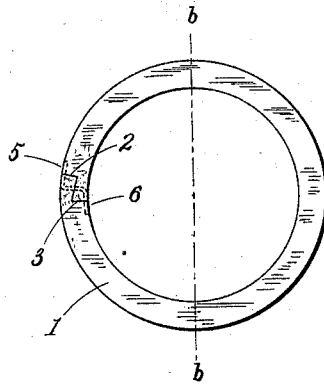


Fig.3.

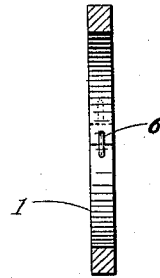


Fig.4.

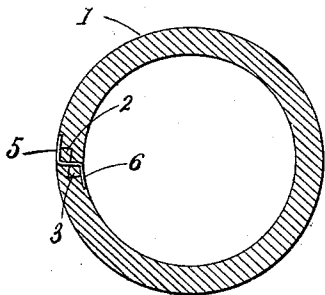


Fig.5.

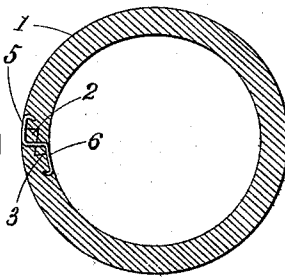


Fig.6.

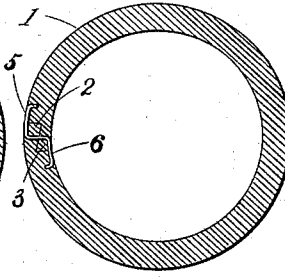
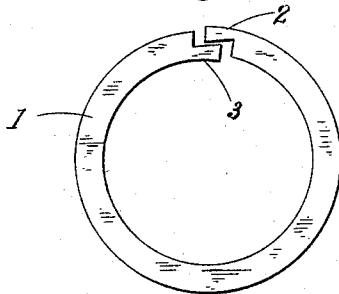


Fig.7.



Witnesses,
L. M. Spang
R. W. Nurse

John L. Osgood, Inventor.
By James Sangster, Attorney.

UNITED STATES PATENT OFFICE.

JOHN L. OSGOOD, OF BUFFALO, NEW YORK.

LEATHER WASHER.

SPECIFICATION forming part of Letters Patent No. 591,193, dated October 5, 1897.

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To all whom it may concern:

Be it known that I, JOHN L. OSGOOD, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Leather Washers, of which the following is a specification.

My invention relates to a new and improved leather washer and also to the novel means employed in securing and locking the abutting ends to each other, and will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents an edge elevation of the washer. Fig. 2 represents a side elevation, the position of the approximately S-shaped fastening device being shown by dotted lines. Fig. 3 represents a sectional interior edge elevation on or about line *b b*, Fig. 2. Fig. 4 represents a side sectional elevation on or about line *a a*, Fig. 1, representing the preferred shape of the approximately S-shaped fastening device. Fig. 5 also represents a sectional elevation on or about line *a a*, Fig. 1, showing the ends of the approximately S-shaped fastening device curved inwardly into the washer-body. Fig. 6 also represents a sectional elevation on or about line *a a*, Fig. 1, also showing the ends of the fastening device turned inwardly, but in a lesser degree. Fig. 7 is a side elevation of the leather washer-body, the edges being slightly spread apart or removed from each other to show the joint. Referring to the drawings in detail, 1 represents the washer-body, which is preferably constructed of leather. The abutting ends 2 3 of the said body 1 are shaped substantially as shown in Fig. 7 and are joined together, as shown in Figs. 2, 4, 5, and 6—that is, a portion of one end is cut away on the outer edge and a portion of the other end on the inner edge, the portions remaining of each end being of the proper size, depth, and shape to fit the depression in the corresponding end, so that the said ends lap over each other in a substantially half-dovetail joint and forming what is technically termed a “scarf-joint.”

The fastening device is preferably formed of a piece of metallic wire of suitable thickness and length.

When the fastening device is bent and locked in the washer, it presents approxi-

mately the appearance of an S from a side view or elevation.

The wire is forced through the two lapped end portions 2 3, the ends 5 6 thereof being bent across the joint, as shown in Figs. 2, 4, 5, and 6. If desired, the ends can be forced or bent inwardly, as shown in Fig. 6, or curved or bent inwardly in a greater degree, as shown in Fig. 5, thus forming a stronger joint; but for most all practical purposes the joint shown in Figs. 2 and 4 is believed to be amply sufficient. In the joint shown in these figures the ends of the fastening device are simply pressed or embedded in the face of the washer-body.

By this improved method the abutting ends are strongly and doubly fastened and locked to each other, the lapped joint or half-dovetail locking them in one direction and the approximately S-shaped fastening securing the lapped ends to each other. In some instances it may be advisable to vary or change the position or direction of the dovetail. In that case the fastening-wire should be changed accordingly, so that it will pass through both of the lapped ends.

I claim as my invention—

1. A leather washer, consisting of a circular strip having its ends scarf-jointed to each other, and a metallic fastening device passed through the said ends and bent across the seams of the joint.

2. A leather washer, consisting of a circular strip, having its abutting ends lapped, and a wire fastening device passing through the said lapped ends, its protruding ends being bent across the seam of the joint, and then inwardly into the leather, as set forth.

3. A leather washer, consisting of a body portion or strip, having its ends lapped or half-dovetailed together, and a wire fastening device passed through both of the said lapped ends, the protruding end of the wire on the periphery or exterior edge of the body being bent longitudinally across the joint of the said ends, and the protruding end on the interior edge in the opposite longitudinal direction and also across the joint, as set forth.

JOHN L. OSGOOD.

Witnesses:

JAMES SANGSTER,
A. J. SANGSTER.