

John Bauer's Improvement in Harness Trimmings.

116536

PATENTED JUL. 4 1871

Fig. 1.

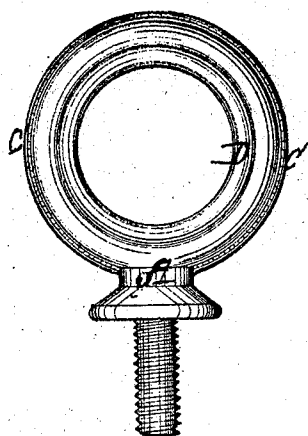


Fig. 2.

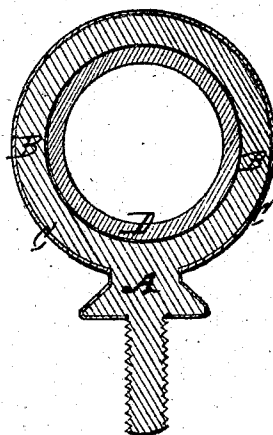


Fig. 3.

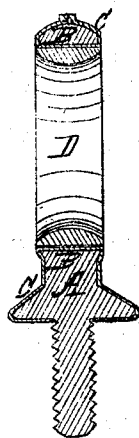
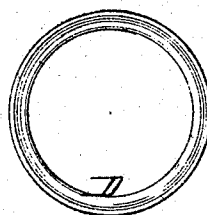


Fig. 4.



Witnesses:

Arthur O'Neil
Charles M. Smith

Inventor

John Bauer

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116,536

UNITED STATES PATENT OFFICE.

JOHN BAUER, OF NEWARK, NEW JERSEY.

IMPROVEMENT IN HARNESS-TRIMMINGS.

Specification forming part of Letters Patent No. 116,536, dated July 4, 1871.

To all whom it may concern:

Be it known that I, JOHN BAUER, of Newark, county of Essex and State of New Jersey, have invented certain Improvements in Harness-Trim-mings, of which the following is a specification:

As a harness-maker I have found from experi-ence that lining the rings of harness-trimmings with rolled sheet-metal which was first formed as a ring, the ends soldered, and next pressed into the interior of the harness-ring, was of short duration, requiring frequent replacement, did not answer the purpose intended, and was an injury to the harness, for the reason that the friction of the reins and other parts of the harness on the thin sheet-metal lining of the rings soon cut the lining through; the sharp edges of the worn sheet-metal lining, in turn, cutting the reins, and rendering the device worse than useless.

For obviating these defects I employ a cast-metal ring of any required thickness, or of suffi-cient thickness to last without replacing as long as the harness-ring itself, without the use of solder, and I place this cast-metal ring within the har-ness-ring, and with a mandrel or tool turn up the edges burnished, and make the cast-metal lining permanently part and parcel of the har-ness-ring, as I will further explain by reference to the accompanying drawing, in which—

Figure 1 is a side elevation of my improved

harness-ring; Fig. 2, a vertical section; Fig. 3, a horizontal section of the same; and Fig. 4, a view of metallic casting previous to use.

In the said drawing, A indicates a harness-ring or rein-guide, of which B is the iron interior, and C the covering of the ring, and D the cast-metal lining. The interior of the ring is made of flat-tened form, so that the outer surface of the cast-iron lining shall fit and be held more securely therein.

The advantages derived from this cast-iron lin-ing-ring over a sheet-metal lining are, cheapness and facility of construction, much longer wear and greater durability, smoother surface, and bet-ter appearance.

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

A terret-ring, or similar article of harness-trim-ming, constructed with a flattened interior sur-face, covered with leather, and lined with a cast-iron ring or piece, the outer periphery of which fits the interior of and is fastened in the covered ring, as specified, as a new article of manufac-ture.

In testimony whereof I have hereunto set my signature this 21st day of November, 1870.

Witnesses:

JOHN BAUER.

ARTHUR NEILL,

EMILE MOLTZ.