(No Model.)

O. G. HOLT.

RIVET.

No. 340,117. Patented Apr. 20, 1886.

Fig. 1.

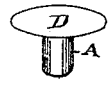


Fig. 3.

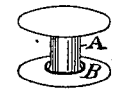


Fig. 2.

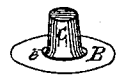
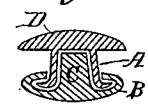


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

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RIVET.

SPECIFICATION forming part of Letters Patent No. 340,117, dated April 20, 1886.

Application filed March 13, 1885. Serial No. 158,661. (No model.)

To all whom it may concern:

Be it known that I, OLIVER G. HOLT, a citizen of the United States, residing at Louisville, in the county of Jefferson and State of Kentucky, have invented a new and useful Improvement in Rivets for Leather, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to such rivets as are made in two parts; and the object is to provide a rivet which can be readily put together and easily fastened, will cut the required holes for itself, and hold securely, and at the same time present a smooth and finished head at either end. With this view I make my improved rivet in two sections, one of which consists of a solid head with a tube of thin material attached, the sides of which tube are unsplit or undivided, and the other is composed of a hollow head and a solid pin or post, both head and pin formed of one piece of metal, and the pin springing from the interior of the head, and being of less diameter in its upper portion but larger at bottom than the tube referred to, and in the shape of a truncated cone, but flaring more rapidly at its fixed than at its free end, and projecting through an opening in the opposite part of the head sufficiently large to admit the tube above mentioned when the tube is placed over the post and the two sections of the rivet are brought together. The head and the tube attached may also be formed of a single piece of metal. This construction is clearly shown in the accompanying drawings, which are illustrative of my invention, and in which—

Figure 1 is a perspective view of the part of my improved rivet which is composed of a solid head and a tube attached. Fig. 2 is a like view of the part which consists of a hollow head with a conical post projecting from its interior through an opening in its opposite portion. Fig. 3 is a like view of the two sections of the rivet put together ready for fastening; and Fig. 4 is a vertical sectional view of the two sections of the rivet united and pressed or driven together, showing the different parts of the rivet and the mode in which it is fastened.

In the several figures like letters indicate corresponding parts.

A is a tube attached to the center of the rivet-head D.

B is a hollow rivet-head provided with the opening *e*.

C is a pin or post of conical form, but flaring more rapidly at its fixed end, projecting from the interior of the hollow head B through the opening *e*.

D is a solid rivet-head carrying the tube A.

In practice with my invention the rivet is passed through and fastened at one operation in the leather to be united, the tube A cutting and passing through the required holes in the material, meeting and covering the post C, and entering the opening *e* in the head B, and spreading out and enlarging its free end on the flaring bottom of the post C, so that such end cannot be withdrawn through the opening *e*, thus uniting and firmly fastening the rivet, the holes in the leather being cut, the two sections of the rivet brought together and clamped, all at the same time, under a blow or pressure from a hammer, pliers, or other tool adapted to the purpose, so that the whole is quickly and firmly united and fastened, while the heads of the rivets present smooth, finished faces, instead of the battered-up appearance common to the rivets now in use.

These improved rivets can be cheaply manufactured and sold, can be easily and readily applied in practice, and are adapted to all purposes for which rivets are employed in the manufacture of leathern articles, and especially to the uniting of belting and leather straps, and use in saddles, harness, and the like.

I am aware that paper-fasteners have been heretofore made with two heads, one furnished with a tube and the other with a cone beneath an opening in the head to receive the tube to be spread on the cone, and so clamp the fastener; but in such fasteners the cone-head was made in two pieces, which was too expensive in practice, and the tube was split or divided, so as to be incapable of making the required holes in the material to be united, and in practice such holes had to be made at one operation and the fasteners applied and clamped at another.

Having fully described my invention, what I desire to claim and secure by Letters Patent as being new and of my invention is—

A rivet for leather, composed of the undivided tube A, the heads B and D, and the tapering solid post C, the head B and the post C being formed of one piece of metal, the two portions adapted to be applied substantially as and for the purpose described.

Signed at Louisville, Kentucky, this 11th day of March, 1885.

OLIVER G. HOLT.

Witnesses:
JAMES W. BEATTIE,
P. J. CONNIFF.