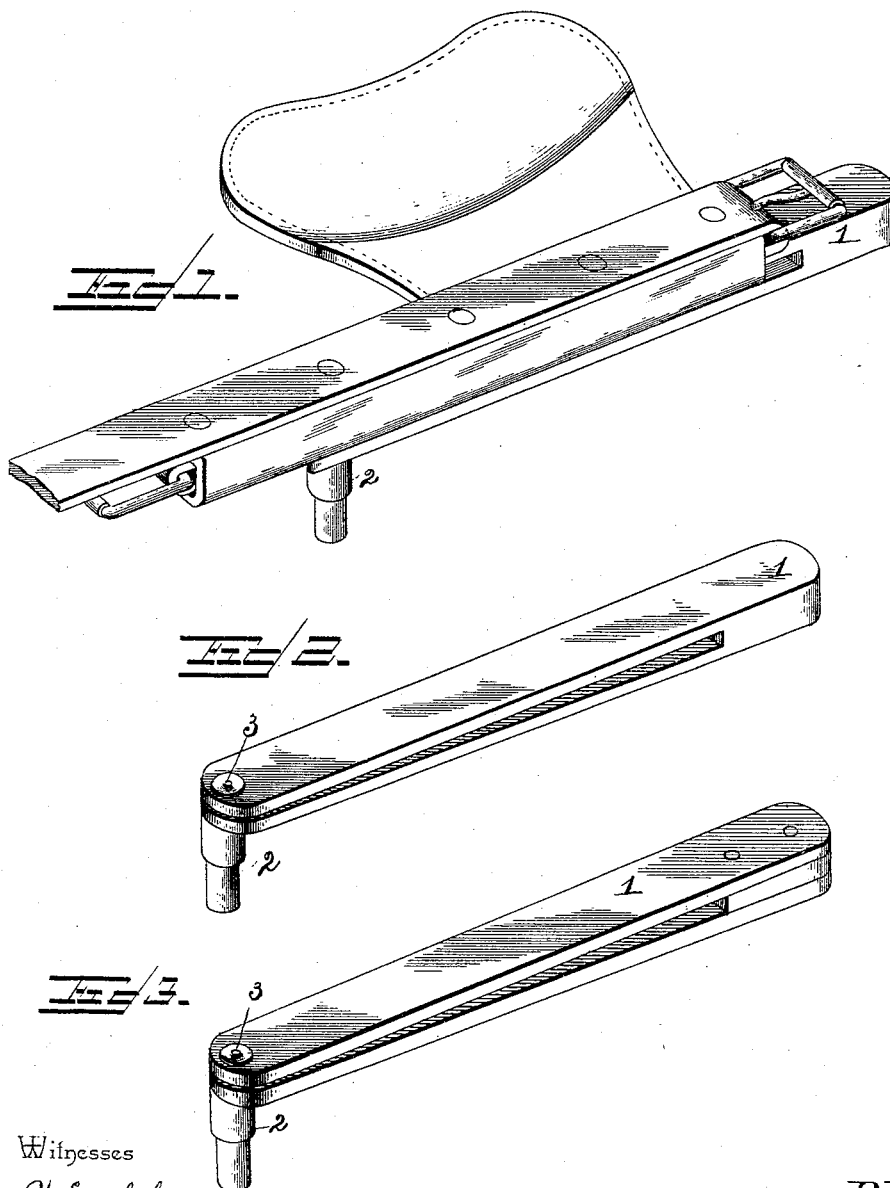


(No Model.)

B. F. KLINE.
RIVETING TOOL.

No. 489,608.

Patented Jan. 10, 1893.



Witnesses

W. E. Schneider.

Chas. S. Hoyer.

By his Attorneys,

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UNITED STATES PATENT OFFICE.

BRUCE F. KLINE, OF NEW ORLEANS, LOUISIANA, ASSIGNOR OF ONE-HALF
TO SMITH & BOULLEMET, OF SAME PLACE.

RIVETING-TOOL.

SPECIFICATION forming part of Letters Patent No. 489,608, dated January 10, 1893.

Application filed August 16, 1892. Serial No. 443,276. (No model.)

To all whom it may concern:

Be it known that I, BRUCE F. KLINE, a citizen of the United States, residing at New Orleans, in the parish of Orleans and State of Louisiana, have invented a new and useful
5 Tool for Riveting, of which the following is a specification.

This invention relates to tools for riveting, especially applicable for use in making or securing the parts of box loops of harness, and
10 has for its object to provide an attachment for application to any form of riveting machine and whereby the rivets may be inserted into and properly upset without injuring the
15 loop or defacing the surface thereof and at the same time provide a secure fastening, and with this object in view the invention consists of the construction and arrangement of parts as will be more fully hereinafter described and claimed.
20

In the drawings:—Figure 1, is a perspective view of a box loop showing the improved device in connection therewith and in operative position. Fig. 2 is a similar view of the
25 device detached. Fig. 3 is a similar view of a slight modification in the construction in the device.

Similar numerals of reference are employed to indicate corresponding parts in the several
30 figures.

Referring to the drawings, the numeral 1, designates the tool or device entire which is constructed of two parallel flat bars of any desired length or width and can be of integral formation as shown by Figs. 1 and 2, or
35 of two separate bars fastened together at one end as shown by Fig. 3. On the bottom end portion of one of the bars is formed an anvil post 2, adapted to be fitted into a socket of
40 any preferred form of riveting machine to hold the device in proper position and on the uppermost end portion of the opposite bar is an anvil tip 3, which prevents the rivet from
45 going through portions of the loop not required and upsets or clinches the opposite side of said rivet. The opening between the bars extends through one end of the tool in
50 order to allow the latter to have one of its bars inserted in the box loop which is to be riveted, and in positioning the rivets on the loop the flat heads thereof are located uppermost and on the outside it being understood that the riveting machines drive the rivets through the portion of the box loop to be fas-

tened against the anvil tip 3. The form of
55 fastening for a box loop as herein specified provides a strong and durable means of securing the parts and avoids the employment of stitching and thereby save labor, time and expense. Furthermore, the operation of fastening in the manner set forth may be more
60 speedily accomplished with a resulting neatness of appearance.

The tool or device set forth may be made in any size and the bars themselves of any
65 preferred thickness to suit different purposes or sizes of box loops. It will be understood that the tool or device will be formed of suitable material and that the nature of the riveting machine with which the same is used
70 may be of any of the well known forms now commonly employed and embodying a socket in which the anvil post 2, may be removably fitted. The bars are connected to each other,
75 or solid, at one end, as shown, and in each instance leaving a lateral opening or space between the same, and the bars at their open ends are normally in proximity to each other and diverging therefrom to provide a close
80 contact when in engagement with the box loops, thereby adapting a single device of the character set forth for use in connection with box loops constructed of various thicknesses of material.

Having thus described the invention, what
85 is claimed as new is:—

As an improved article of manufacture, a riveting tool or device for use in connection with box loops, consisting of a pair of bars
90 connected to each other, at one end leaving a lateral opening or space between the same, and said bars being normally in proximity at the open ends thereof and diverging therefrom to provide a close contact when in engagement with the box loops, and one of said
95 bars being adapted to be inserted in the box loops and having an anvil tip on the uppermost portion of one end thereof, the opposite bar being provided with an anvil post located on the under side of the free end thereof, substantially as described.
100

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

BRUCE F. KLINE.

Witnesses:

W. A. WENCK,
WM. KENAUDIN.