

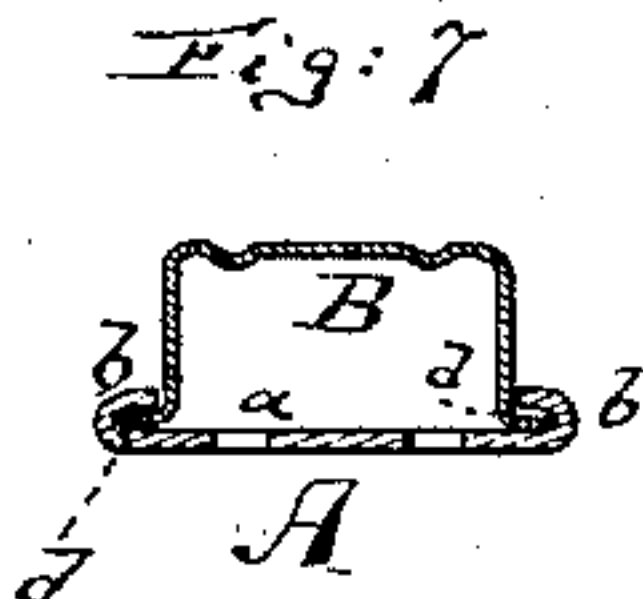
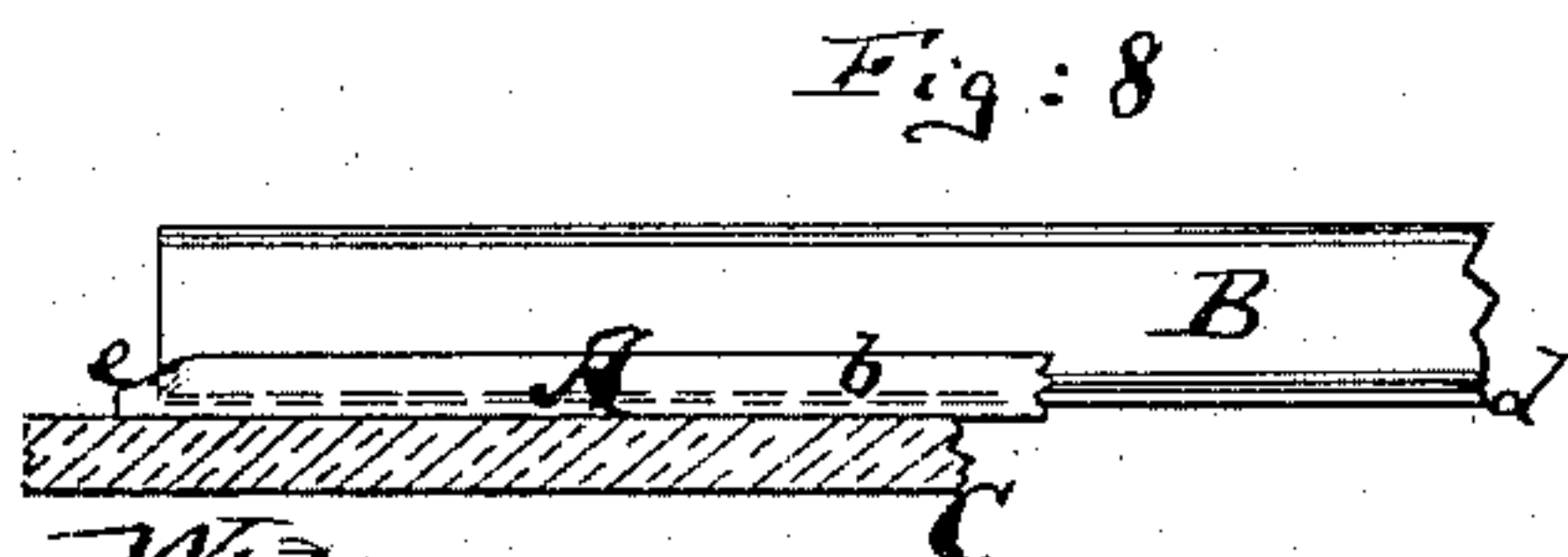
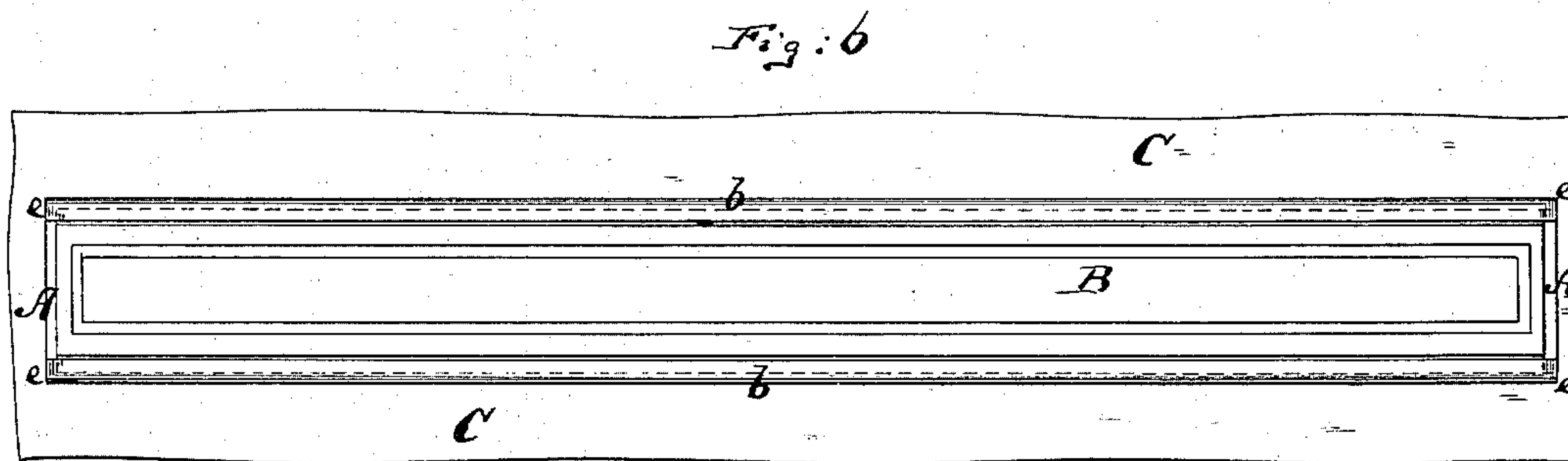
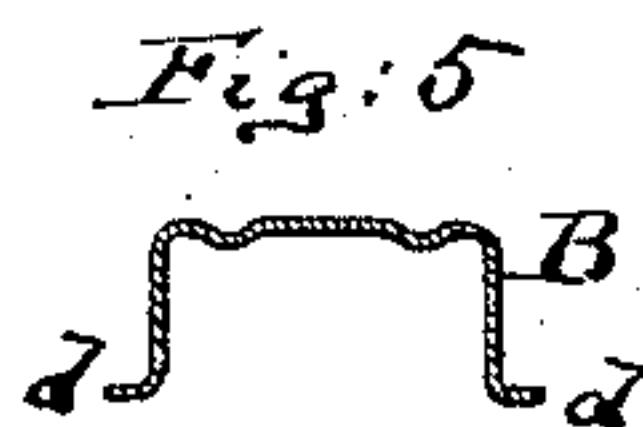
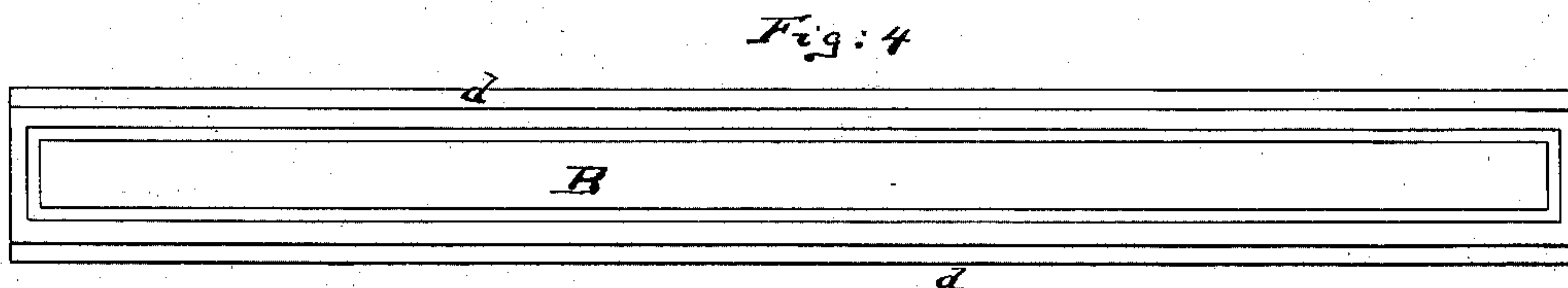
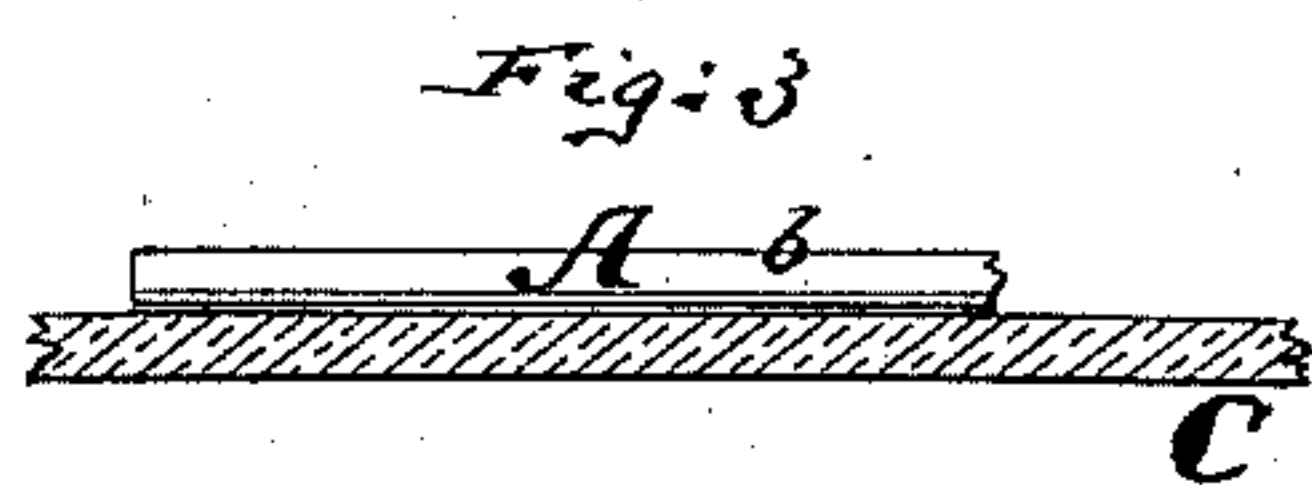
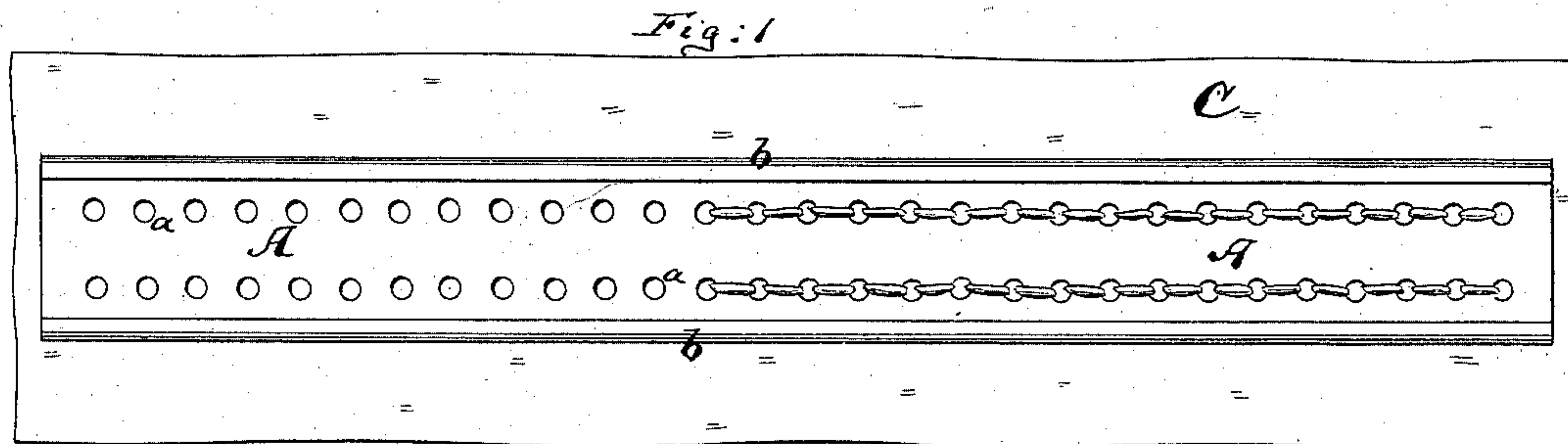
(No Model.)

J. WATTERS.

METALLIC HARNESS AND BRIDLE LOOP.

No. 255,709.

Patented Mar. 28, 1882.



Witnesses:
Henry F. Parker
John M. Speer

Inventor:
John Watters
by his attorneys
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UNITED STATES PATENT OFFICE.

JOHN WATTERS, OF NEW YORK, N. Y.

METALLIC HARNESS AND BRIDLE LOOP.

SPECIFICATION forming part of Letters Patent No. 255,709, dated March 28, 1882.

Application filed December 29, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN WATTERS, of New York, in the county and State of New York, have invented an Improved Metallic Harness and Bridle Loop, of which the following is a specification.

Figure 1 is a face view of the bottom plate of my improved harness-loop. Fig. 2 is a cross-section of the same; Fig. 3, a side view of a portion thereof; Fig. 4, a top view of the box-loop that is attached to said bottom plate; Fig. 5, a cross-section of said box-loop; Fig. 6, a top view of the complete harness-loop; Fig. 7, a cross-section thereof; and Fig. 8, a side view, partly in section, of the same.

The object of this invention is to produce a harness-loop which shall be readily attachable to harness and bridle, and which is to be put together when partially fastened on the harness; and to this end the invention consists in combining with a bottom plate that is stitched or otherwise fastened to the harness, and that has upwardly and inwardly projecting flanges, an upper box-loop which has outwardly-projecting flanges at its lower end that are adapted to slide into the grooves formed by the flanges of the bottom plate, and thereby held firm against up and down and lateral displacement. The bottom plate is made slightly longer than the box-loop, so that when the latter has been placed in position the flanges at the ends of the bottom plate are slightly depressed to lock the box-loop thereto.

In the accompanying drawings, the letter A represents the bottom plate, and B the upper box-loop, of my improved harness-loop. The bottom plate, A, is provided with small holes *a*, through which the thread that is used to stitch it to the harness or strap C can be passed; but instead of fastening the said plate A to the strap or harness by stitches, it may be fastened by rivets projecting from it or by lugs or the like. The plate A has at its long edges upwardly and inwardly projecting flanges *b*, forming longitudinal grooves *c*, that are open at the

ends. The box-loop B has outwardly-projecting flanges *d* at its lower part, which are so placed with reference to the grooves *c* as to fit in them when the box-loop is slid longitudinally over the bottom plate, A, as shown in Fig. 7. In this position (shown in Fig. 7) the box-loop is by the flanges *b* prevented from being displaced vertically and laterally, but not longitudinally. To insure the final connection of the parts A and B, I make the bottom plate, A, slightly longer than the box-loop B, as is indicated in Figs. 6 and 8. When the box-loop has been slid in place on the bottom plate, A, so that the latter projects beyond both ends of the former, I crush or bend the ends of the flanges *b* downward, as indicated at *e* in Figs. 6 and 8, and thereby form obstructions against the ends of the flanges *d*, thus preventing the longitudinal displacement in either direction of the loop B on the plate A.

Buckles may be fastened to the ends of the plate A, in which case the obstructing parts *e* on said plate are not required.

I do not broadly claim joining the upper part of a box-loop to the lower plate by interlocking flanges; but

I do claim—

1. The combination of the box-loop B, having outwardly-projecting flanges *d*, with the bottom plate, A, having flanges *b*, forming grooves *c*, adapted to receive the flanges *d*, said bottom plate being made longer than the loop B to allow the flanges *b* to be crushed and bent down and form obstructions *e* against the ends of the flanges *d*, substantially as specified.

2. The plate A, having holes *a* and grooved flanges *b*, in combination with the loop B, having outwardly-projecting ungrooved flanges *d*, as set forth.

This specification of my invention signed by me this 28th day of December, 1881.

JOHN WATTERS.

Witnesses:

WILLY G. E. SCHULTZ,
WILLIAM H. C. SMITH.