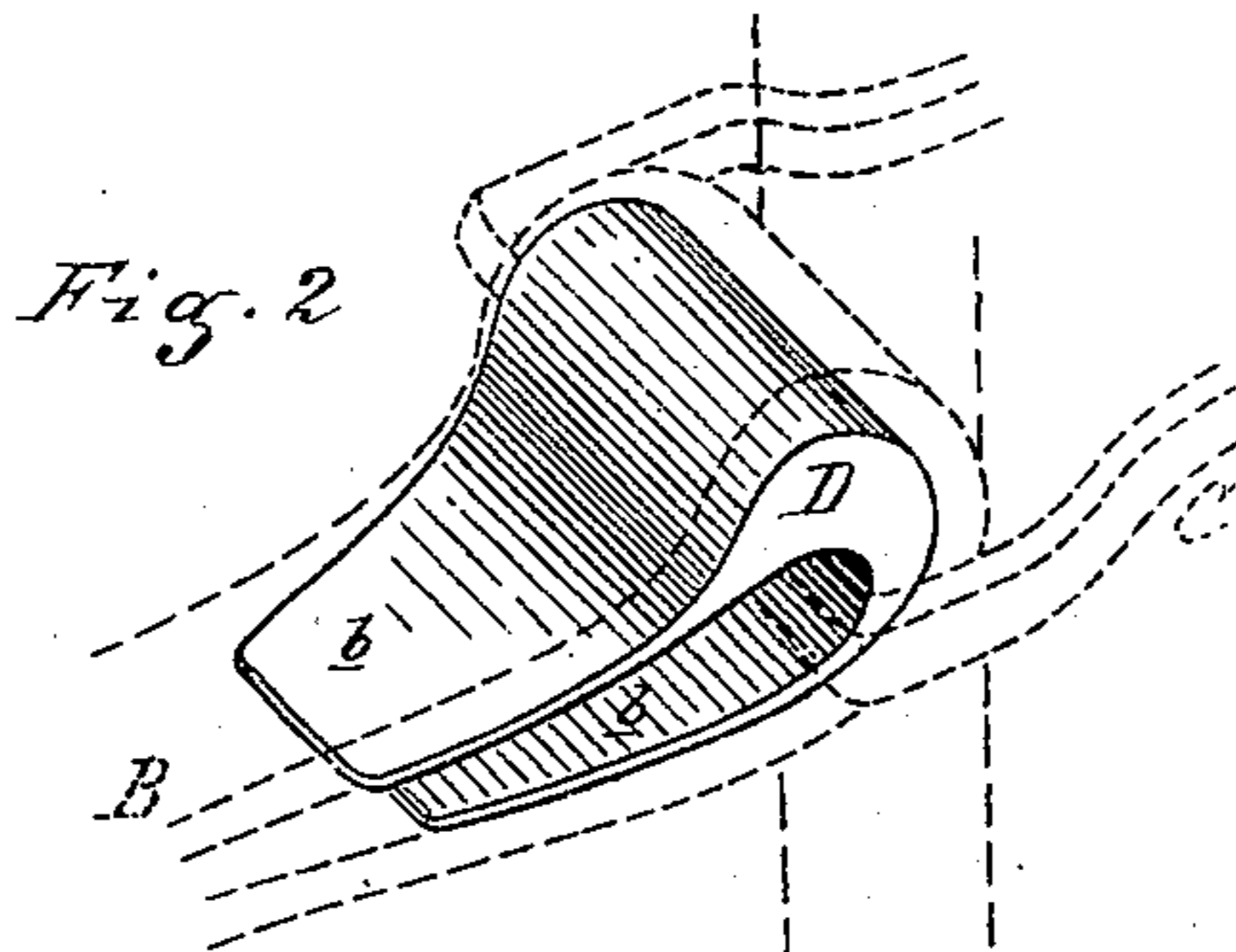
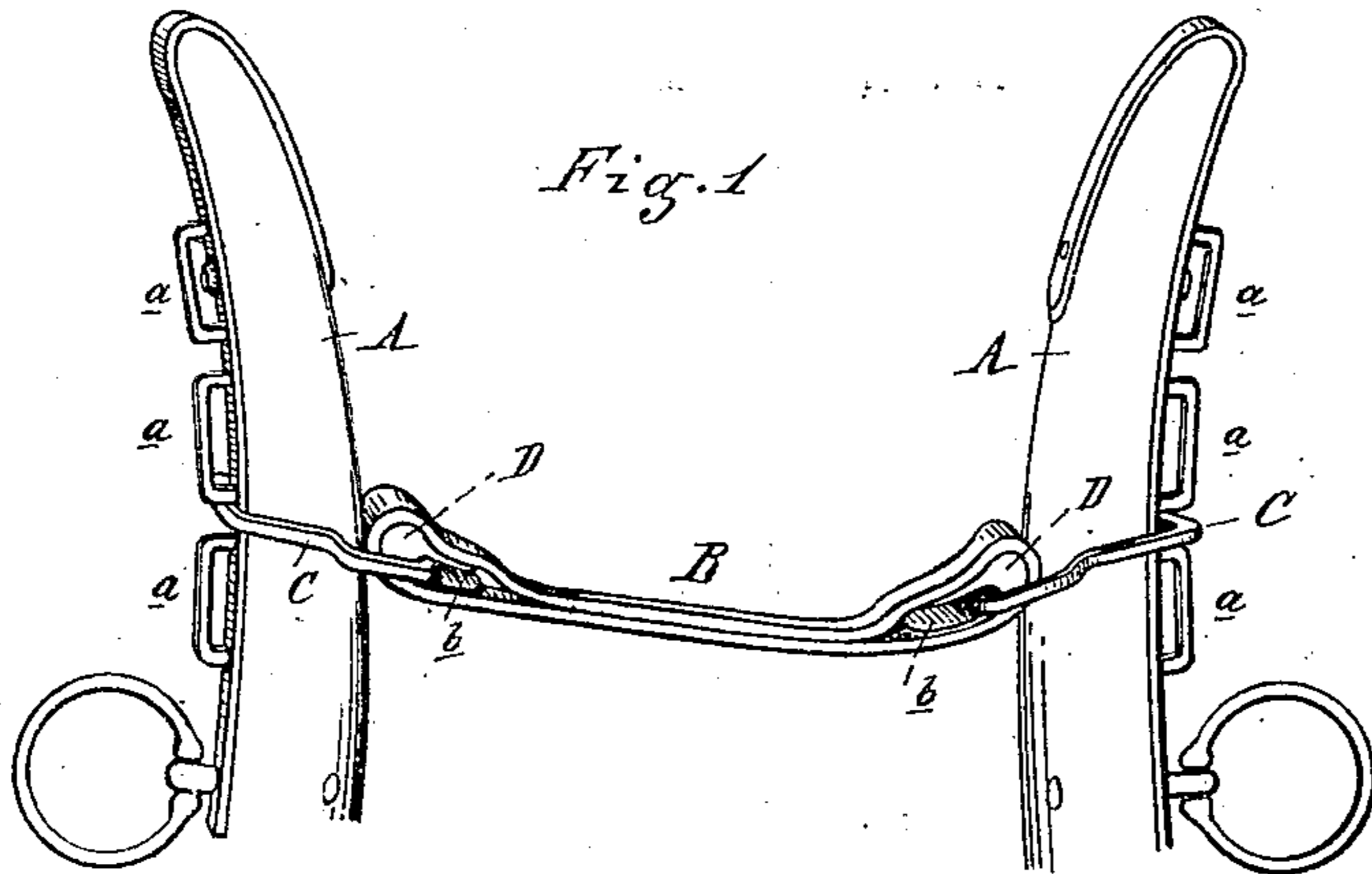


(No Model.)

W. O. MILLER.  
Attachment for Hames.

No. 238,418.

Patented March 1, 1881.



Attest:  
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Thos. S. Day.

Inventor:  
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# UNITED STATES PATENT OFFICE.

WILLIAM O. MILLER, OF DETROIT, MICHIGAN.

## ATTACHMENT FOR HAMES.

SPECIFICATION forming part of Letters Patent No. 238,418, dated March 1, 1881.

Application filed August 12, 1880. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM O. MILLER, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Attachments for Hames, of which the following is a specification.

My invention relates to that class of hames in which a movable loop is used to adjust the portion of the neck-strap.

The invention consists in the combination, with such loop and neck-strap, of an eccentric block, by turning which the loop may be loosened and removed to any other desired position, and then again secured without unbuckling the strap or separating the parts of the loop, which has heretofore been necessary in this class of hame-fastening.

Figure 1 is an elevation of the upper ends of a pair of hames with my attachment. Fig. 2 is a detached view of the attachment.

In the accompanying drawings, which form a part of this specification, A A represent the upper ends of a pair of wooden hames, provided with the usual series of metallic loops *a a*. B is the neck-strap, by means of which the ends of the hames are connected together. In this strap I secure a metallic loop, C, of sufficient internal area to pass freely over the hame and its loops. In the loop of the strap, and within the said loop, and grasping the inner end of the metallic loop C, I place the metallic eccentric D, provided with arms *b b*, and the whole so arranged that when in use the eccen-

tric will hold the loop C against the outer face of the hame between the loops *a a* thereto secured. When it is desired to adjust the strap higher or lower the strap and eccentric are turned until the pressure is released, when the metallic loop C may be raised or lowered at will on the hame, and secured between the loops *a a'*; or these latter-named loops may be dispensed with, and instead may be employed a serrated or toothed plate secured to the outer face of the hame, which will allow the loop C to be rigidly and adjustably engaged. By this arrangement not only is it unnecessary to unbuckle the strap to adjust the position of the loop and strap, but the strap may be sewed fast in the center, leaving only a loop at each end and dispensing with a buckle, as shown in the drawings.

What I claim as my invention is—

1. A hame attachment consisting of the closed strap B, loops C C, and eccentrics D, inclosed within said strap, and adapted to be applied to a hame, substantially as specified.

2. The combination, with the hames A, having loops or serrations, of the loops C and strap B, having loops at its ends, each of which incloses an eccentric, D, substantially as and for the purpose specified.

W. O. MILLER.

Witnesses:

H. S. SPRAGUE,  
THEO. S. DAY.