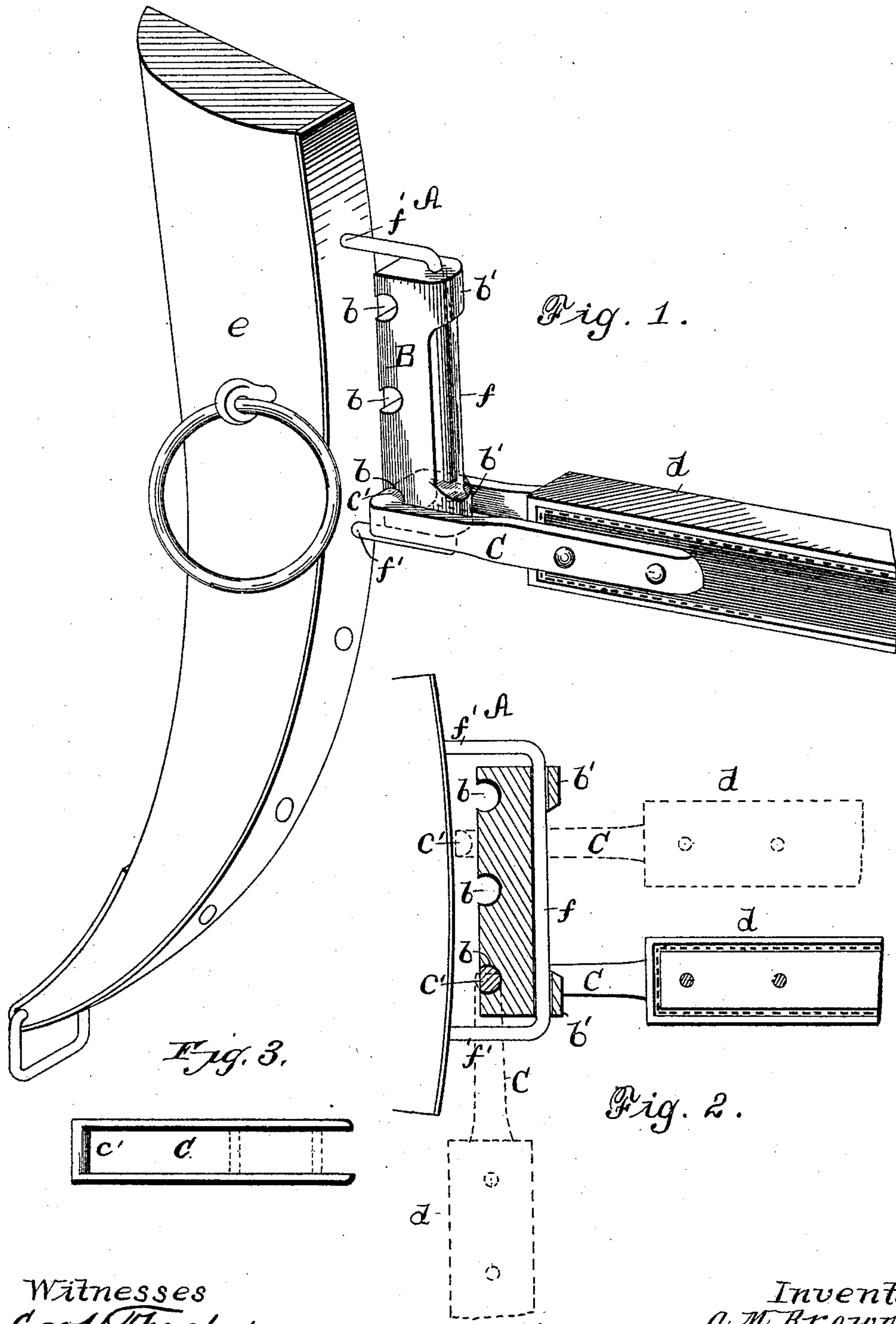


(No Model.)

A. M. BROWN & D. S. KING.
HAME.

No. 451,366.

Patented Apr. 28, 1891.



Witnesses
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UNITED STATES PATENT OFFICE.

ALVIN M. BROWN AND DANIEL S. KING, OF HAMILTON, MISSOURI.

HAME.

SPECIFICATION forming part of Letters Patent No. 451,366, dated April 28, 1891.

Application filed December 15, 1890. Serial No. 374,772. (No model.)

To all whom it may concern:

Be it known that we, ALVIN M. BROWN and DANIEL S. KING, of Hamilton, Caldwell county, Missouri, have invented certain new and
5 useful Improvements in Adjustable Combined Hame-Clips and Tug-Loops, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

10 Our invention relates to an improvement in adjustable combined hame-clips and tug-loops; and it consists in the peculiar construction and combination of devices, as will be more fully set forth hereinafter, and particularly pointed out in the claim.

15 Figure 1 is a perspective view of the lower portion of the hame, showing our invention in position. Fig. 2 is a sectional view of the same, showing the position of the metallic
20 hame-strap with a staple and adjustable bracket and tug-loop in position. Fig. 3 is a detail plan view of the tug-loop, showing its peculiar construction.

25 The hame *e* has projecting therefrom a bracket formed of a single piece of metal and consisting of the vertical portion *f* and the horizontal portions *f'*, the said vertical portion passing through ears *b'*, formed on one
30 face of the casting or block *B*, the opposite face of the casting being contiguous to the surface of the hame and being provided with recesses *b*, the contour of the said recesses being more than half a circle, thus causing the
35 entrances thereto to be narrower than their main portion.

40 A tug-loop *C* is secured to the forward end of the traces *d*, the rear face of the forward end *c'* of the loop being rounded, while the front face thereof is flattened, thus causing the said end of the tug to have two diameters, a larger and a smaller one, the former of which is vertical when the tug is in its normal position and is of such a size as to be

greater than the entrances or mouths of the recesses *b*, but being smaller than the width of
45 the body thereof, while the smaller diameter is less than the width of the entrances or mouths of the recesses *b*. It will thus be seen that the end *c'* of the tug-loop may be inserted in any of the recesses *b*, and for this purpose the
50 tug-loop is first caused to assume a vertical position, its end *c'* being on top, the smaller diameter of which will then correspond to the mouths of the recesses *b*, (see Fig. 2,) in any of which the end *c'* may be inserted by a lateral
55 movement thereof, after which the tug is raised to a horizontal position, causing the larger diameter of the end *c'* thereof to register with the mouth of the recess in which it may be contained, thus locking it therein, and
60 it will be evident that by a reverse operation of the tug it may be released from any recess and by the above-described operation be placed in any other, as the comfort of the animal may require.

65 Having thus described our invention, what we claim is—

The combination, with a hame, of a bracket secured thereto, a block pivoted in the said bracket and having recesses *b* therein, the entrances of which recesses are of less width
70 than the body thereof, a tug-loop having its forward end when in a horizontal position of a less horizontal than vertical diameter, the vertical diameter thereof being greater than
75 the width of the entrances to the notches *b* and its horizontal of less diameter than the width of the entrance to the said notches, as described.

80 In testimony whereof we affix our signatures in presence of two witnesses.

ALVIN M. BROWN.
DANIEL S. KING.

Witnesses:

CROSBY JOHNSON,
TAYLOR ALLEE.