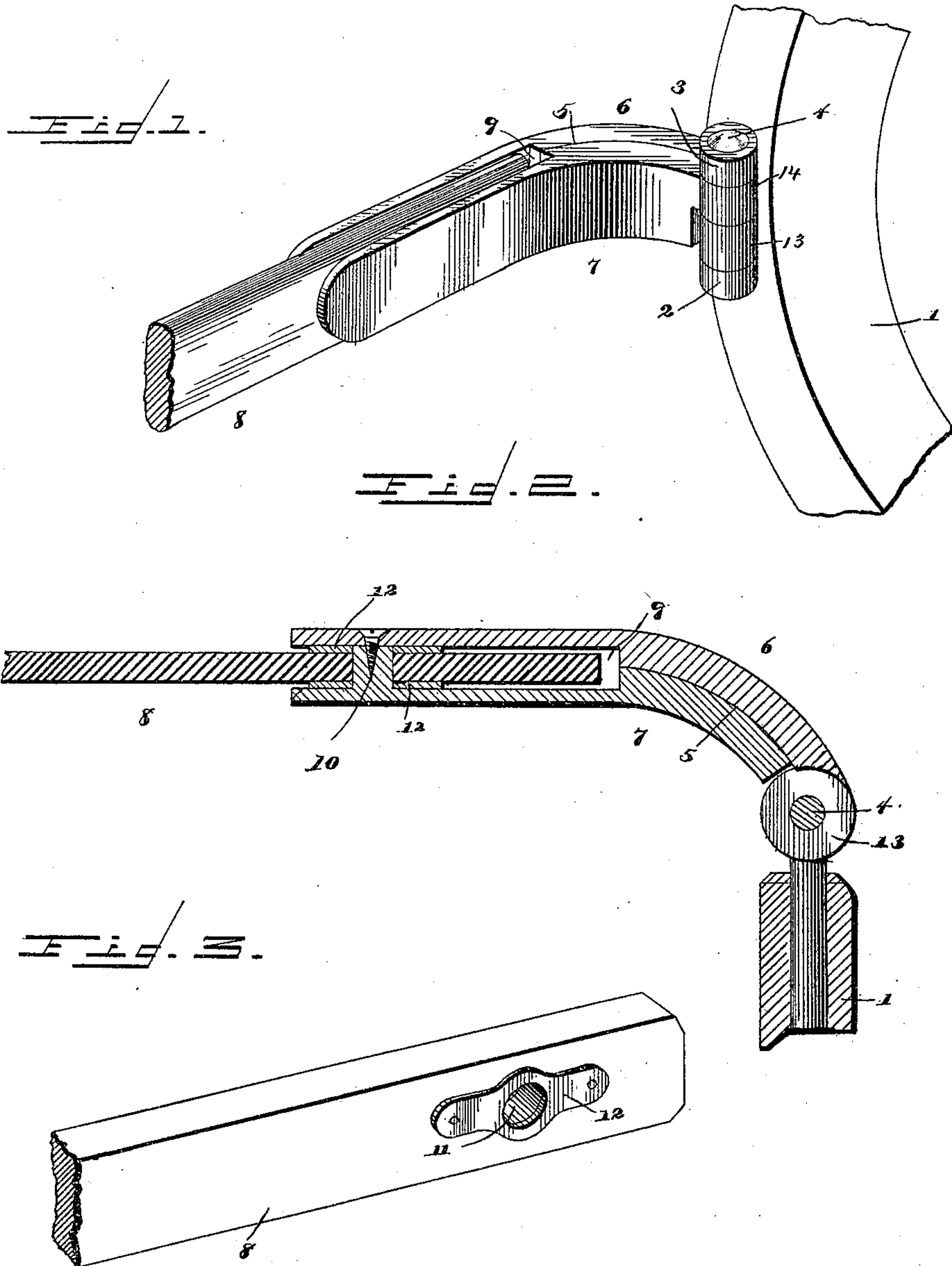


(No Model.)

M. J. YOUNG & C. ROBINSON.
HAME TUG.

No. 447,995.

Patented Mar. 10, 1891.



Witnesses

Samuel Ker.

S. F. Riley

Inventors
Moses J. Young, and
Clark Robinson

By their Attorneys.

C. Snow & Co.

UNITED STATES PATENT OFFICE.

MOSES J. YOUNG AND CLARK ROBINSON, OF HARTLEY, IOWA, ASSIGNORS OF
ONE-HALF TO I. N. DRAKE, OF SAME PLACE.

HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 447,995, dated March 10, 1891.

Application filed December 30, 1889. Serial No. 335,376. (No model.)

To all whom it may concern:

Be it known that we, MOSES J. YOUNG and CLARK ROBINSON, citizens of the United States, residing at Hartley, in the county of O'Brien and State of Iowa, have invented a new and useful Hame-Tug, of which the following is a specification.

The invention relates to improvements in hame-tugs.

The object of the present invention is to simplify and improve the construction of the hame-tug clip and enable the tug to be readily secured thereto and move freely thereon with little friction and wear.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claim hereto appended.

In the drawings, Figure 1 is a perspective view of a hame-tug clip constructed in accordance with the invention and shown connected to a hame and the end of a hame-tug. Fig. 2 is a longitudinal sectional view of the same.

Fig. 3 is a detail view of the end of the tug.

Referring to the accompanying drawings, 1 designates a hame which is constructed in the ordinary manner, and is provided with eyes 2 and 3, through which passes a bolt 4, that serves as a pintle and hinges the hame-tug clip 5 to the hame. The hame-tug clip is slightly curved near its point of attachment to the hame, and is composed of sections or leaves 6 and 7, which are hinged together and to the hame by the bolt 4, and are designed to have pivoted between them a tug 8, to which the trace is attached. The leaves or sections 6 and 7 have their inner adjacent faces rabbeted near their rear ends to provide a recess 9, in which the tug 8 is pivoted by means of a screw and pivot, or the like, 10. The tug 8 is provided on each of its sides, around the opening 11, through which passes the bolt or rivet 10, with a wear-plate 12, which prevents the strap being worn by the leaves or sections of the hame-tug clip. The bolt, rivet, or screw 10 passes through a perfora-

tion in one of the sections or leaves and engages an integral stud on the other section or leaf. The hame-tug clip, by being connected with the hame by a hinge, is capable of lateral movement on its pintle 4, and the tug moves vertically on its pivot 10, and it will readily be seen that the parts of the hame-tug are free to move in both directions to readily adjust themselves to the strain, and will not be readily broken.

The leaves or sections 6 and 7 of the hame-tug clip are similar and fit closely together, and are provided at their front ends with eyes 13 and 14, which fit together and are constructed similarly to the eyes of an ordinary hinge, and the sections are readily separated to permit the insertion and removal of the hame-tug.

From the foregoing it will readily be seen that the hame-tug is simple and inexpensive in construction, adapted to be readily attached to a hame of the ordinary construction, and its parts are capable of moving freely on one another and adjusting themselves to the strain and position of the animal.

Having thus described our invention, what we claim, and desire to secure by Letters Patent of the United States, is—

In a hame-tug, the combination of the clip comprising the similar leaves or sections 6 and 7, provided at their front ends with eyes 13 and 14, and being hinged together and to the hame, and swinging apart laterally, and having their inner faces rabbeted to provide a recess, and having an integral stud, and the hame-tug provided with an opening to receive the stud and being pivoted in the recess, substantially as described.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

MOSES J. YOUNG.
CLARK ROBINSON.

Witnesses:

ALVIN LARSHBOUGH,
L. A. WATTS.