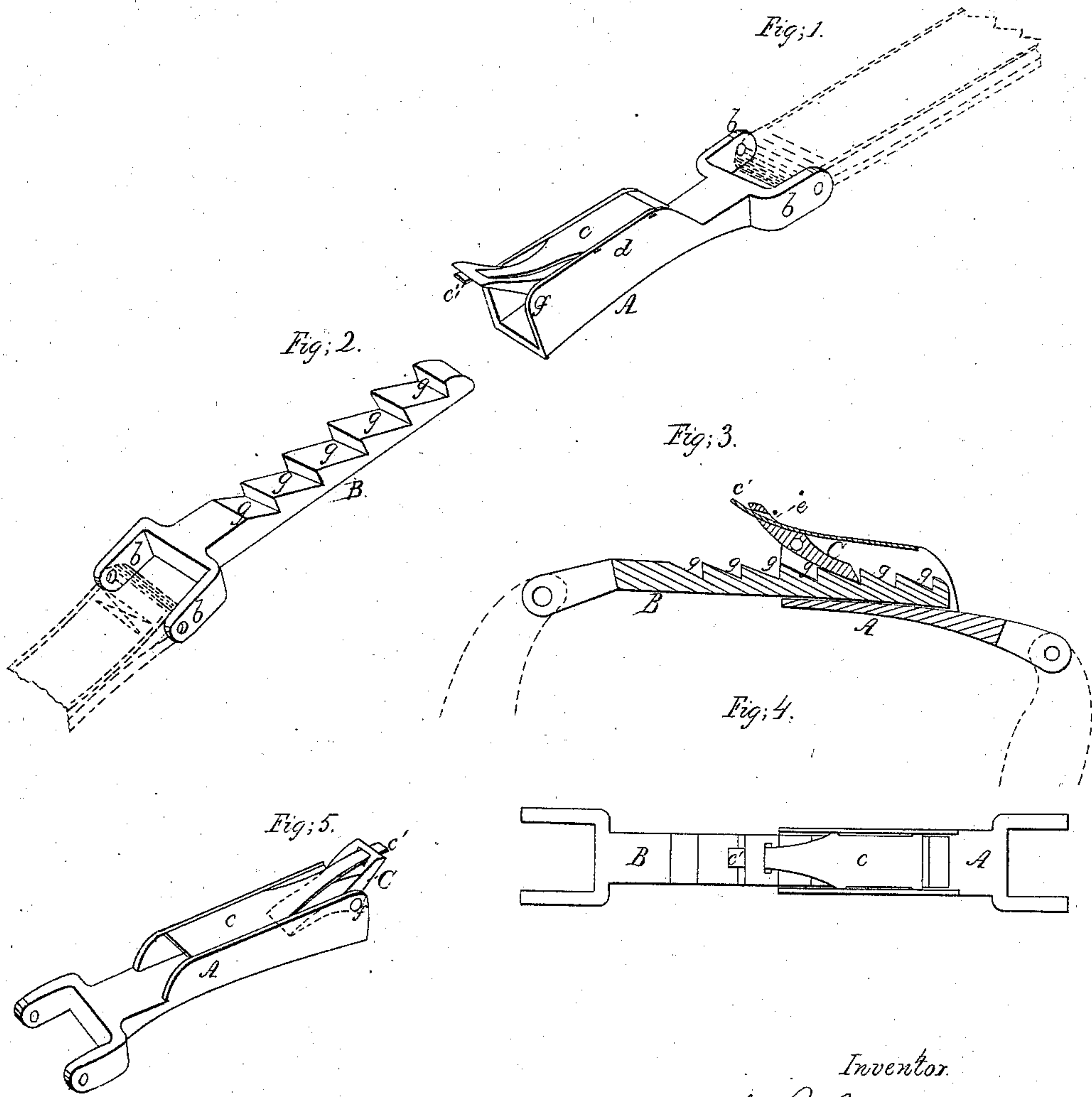


J. B. Woolsey,
Hare Fastener,
N^o 47,762. *Patented May 16, 1865.*



Witnesses.
 A. T. Campbell.
 E. Schaffer.

Inventor.
 J. B. Woolsey
 by his Atty.
 Mason, Smith & Hannan

UNITED STATES PATENT OFFICE.

J. B. WOOLSEY, OF BLOOMFIELD, IOWA.

IMPROVED HAME-FASTENER.

Specification forming part of Letters Patent No. 47,762, dated May 16, 1865.

To all whom it may concern:

Be it known that I, J. B. WOOLSEY, of Bloomfield, Davis county, and State of Iowa, have invented a new and useful Improvement in Hame-Fasteners; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and letters of reference marked thereon, forming a part of this my specification—like letters indicating like parts in the several figures—and in which drawings—

Figures 1 and 2 are perspective views of my improved hame-fastener; Fig. 3, a longitudinal section; Fig. 4, a plan view; and Fig. 5, a perspective view of the same part as shown in Fig. 1, but in a different position.

My invention has for its object the construction of a fastening for harness-hames which shall be cheap, readily adjusted, of simple construction, and not liable to get out of order, while at the same time it is efficient for the use to which it is adapted.

To this end I construct a longitudinal box, A, of metal, open at both ends and one of its sides, as shown in Fig. 1, the rear end of which terminates in hinge-shoulders *b*, as represented, to which the end of the hame is attached in the ordinary manner.

Fig. 2 shows a rack, B, with like shoulders *b* for connection with one end of the hame, so that when the hame is adjusted upon the horse's collar the hame may be securely fastened in position upon the collar by the insertion of the rack within the box A, as clearly indicated in Figs. 3 and 4.

To the open side of the box A, as seen in Fig. 1, I apply a flat metallic spring, *c*, its main portion being secured to the box by pintles *d*, projecting through its sides, as shown in the figure. This spring *c* tapers, or is cut away from about midway of its length, to one of its extremities, so that such reduced end *c'* may pass through a slot or perforation, *e*, of the catch C of the hame-fastener, as clearly shown in Fig. 3. The catch C, I construct of the form represented in Fig. 3, and secure it in position within the box A by means clearly indicated in the figures—to wit, by a pin, *f*, passing through its center and the sides of the box, and in such manner that the catch may be made to articulate within the box by

pressure applied to its outer end. The tension of the spring *c*, being outward, tends to elevate or carry outward the exposed end of the catch C, thus throwing the inner end of said catch down toward the bottom of the box A, which partially incloses it. Thus the rack B, when forced beneath the catch, as indicated in Fig. 3, will cause the catch to traverse the rack and seat itself in any one of the depressions *g* of the rack which may be desired, and so hold the hame firmly upon the collar of the horse.

It will be seen that the widest portion of the spring *c* completely closes a part of one side of the box A, thereby preventing the entrance within the box of any extraneous matter of a large size, which might clog the free action of the hame-fastener, (from that side of the implement,) while at the same time the articulating end *c'* of the spring is free to move with the catch C through the slot *e* when the outer end of the catch is depressed for the purpose of withdrawing the rack B. The portion *c'* therefore of the spring *c* plays freely through the slot *e*, and no binding action is exerted upon the spring during its required movements.

By reference to Figs. 3 and 5 it will also be seen that when the rack B is withdrawn the box A is open at both ends, thereby permitting any substance which might accidentally clog it to be thrust out by the mere insertion of the rack within the box.

All parts of my hame-fastener are made of suitable metal, and in lieu of the pin *f* the catch may be made with pintles to project through the sides of the box, which pintles are a part of the catch itself, so that when thus constructed my entire hame-fastener will be composed of but four separate parts—to wit, the box, the rack, the spring, and the catch.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

Combining the spring *c* with the catch C in the manner and for the purpose as described.

J. B. WOOLSEY.

Witnesses:

H. H. TRIMBLE,
J. B. WEAVER.