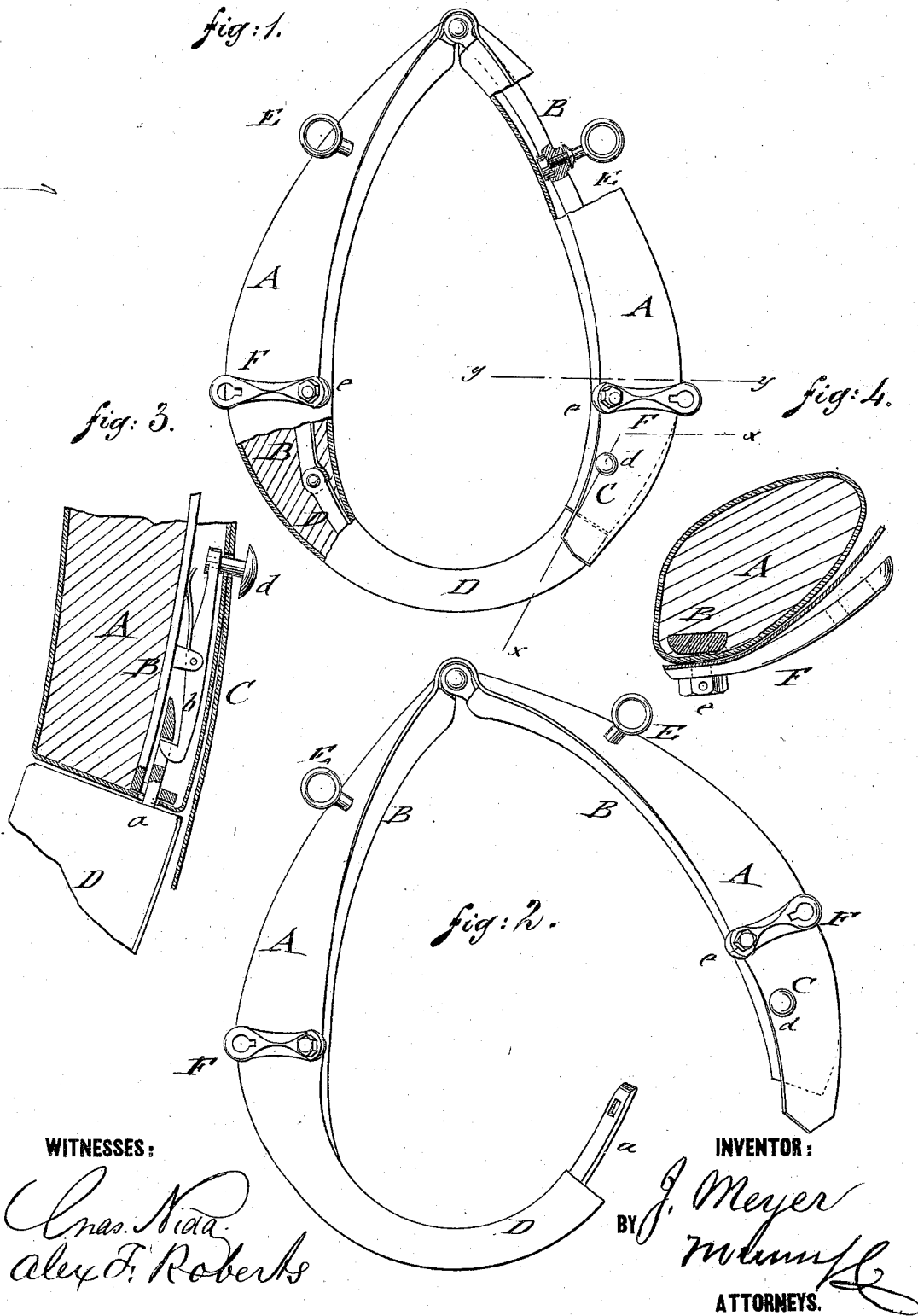


J. MEYER.
HORSE-COLLAR.

No. 171,404.

Patented Dec. 21, 1875.



WITNESSES:

Chas. Nida
Alex. F. Roberts

INVENTOR:

J. Meyer
BY *[Signature]*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JACQUES MEYER, OF NEW YORK, N. Y.

IMPROVEMENT IN HORSE-COLLARS.

Specification forming part of Letters Patent No. **171,404**, dated December 21, 1875; application filed November 19, 1875.

To all whom it may concern:

Be it known that I, JACQUES MEYER, of the city, county, and State of New York, have invented a new and Improved Horse-Collar, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front view, partly in section, of my improved horse-collar, shown in closed position. Fig. 2 is a front view of the collar, as opened, and Figs. 3 and 4 are detail vertical and horizontal sections, respectively, on the lines *x x* and *y y*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved horse-collar, which is readily applied and taken off the horse's neck, combining collar and hames, so that separate hames may be dispensed with.

The invention consists of a collar with metallic stiffening plates or hames, which are hinged at the top and locked at the side by means of a hinged piece of the hame entering a socket and spring-lock of the other collar section. The terrets and trace-fasteners are connected in rigid but detachable manner to the stiffening-hames.

In the drawing, A represents a leather collar, that is stuffed with any suitable material to form a cushion for the metallic plates or hames B that stiffen the collar, and are hinged together at the top part of the collar, where they issue from the cushioning parts of the same. The metallic plates or hames B are provided with small holes, by which the connection of the leather-covering parts of the collar and the hame-plates are made. One of the hinged collar sections is made longer than the other, so as to extend across the lower part of the neck and form a joint with the shorter section at the side of the neck. The end of the shorter collar section is provided with a locking mechanism, C, which engages the extended tongue end *a* of the hame section when introduced into the socket end of the shorter hame. The shorter hame section is bent up at right angles and slotted to the width of the connecting-tongue *a*, which is guided back of the bent-up part, and locked by a spring-catch, *b*, that enters a slot of the tongue end. The spring-catch *b* is released from the tongue by depressing a button, *d*, at

the outside of the collar. In place of the spring-catch and button any other suitable locking mechanism of the tongue may be used. For the purpose of imparting to the tongue end *a* the required degree of flexibility which is required for the introduction of the tongue to the socket and lock of the shorter hame, the longer hame section is made with a pivoted lower or bottom part, D, that is connected by a pivot to the lower end of the hame B. The surrounding cushion does not allow the free swinging of the pivoted hame D, but stiffens it sufficiently to admit merely its "giving" to such an extent that the entering and withdrawing from the socket of the shorter hame may be readily accomplished. The opening of the collar at the side and the swinging on the top hinge allow the easy application of the collar to the necks of the horses. The terrets E are screwed into socket-holes of the metallic hames, and are readily exchanged, as required. The trace-fasteners F are applied rigidly to raised projections of square shape by means of fastening socket-nuts *e*. Any other suitable trace-fastening device may be attached by unscrewing the socket-nuts. The metallic hames are made somewhat wider and stronger at the points where the terrets and trace-fasteners are attached. The hames take up less room, and admit the perfect cushioning of and fitting to the neck, producing a collar of elegant shape and proportions. The convenience of applying the collar without straps, buckles, or other parts, which are visible from the outside forms a feature of its superiority over the common collars, while the ready opening and closing at the side of the neck allows the putting on of the collar without stooping or bending down.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A horse-collar, stiffened by hinged metallic hames, and made to be closed and opened at the side of the neck, substantially in the manner and for the purpose set forth.

JACQUES MEYER.

Witnesses:

PAUL GOEPEL,
T. B. MOSHER.