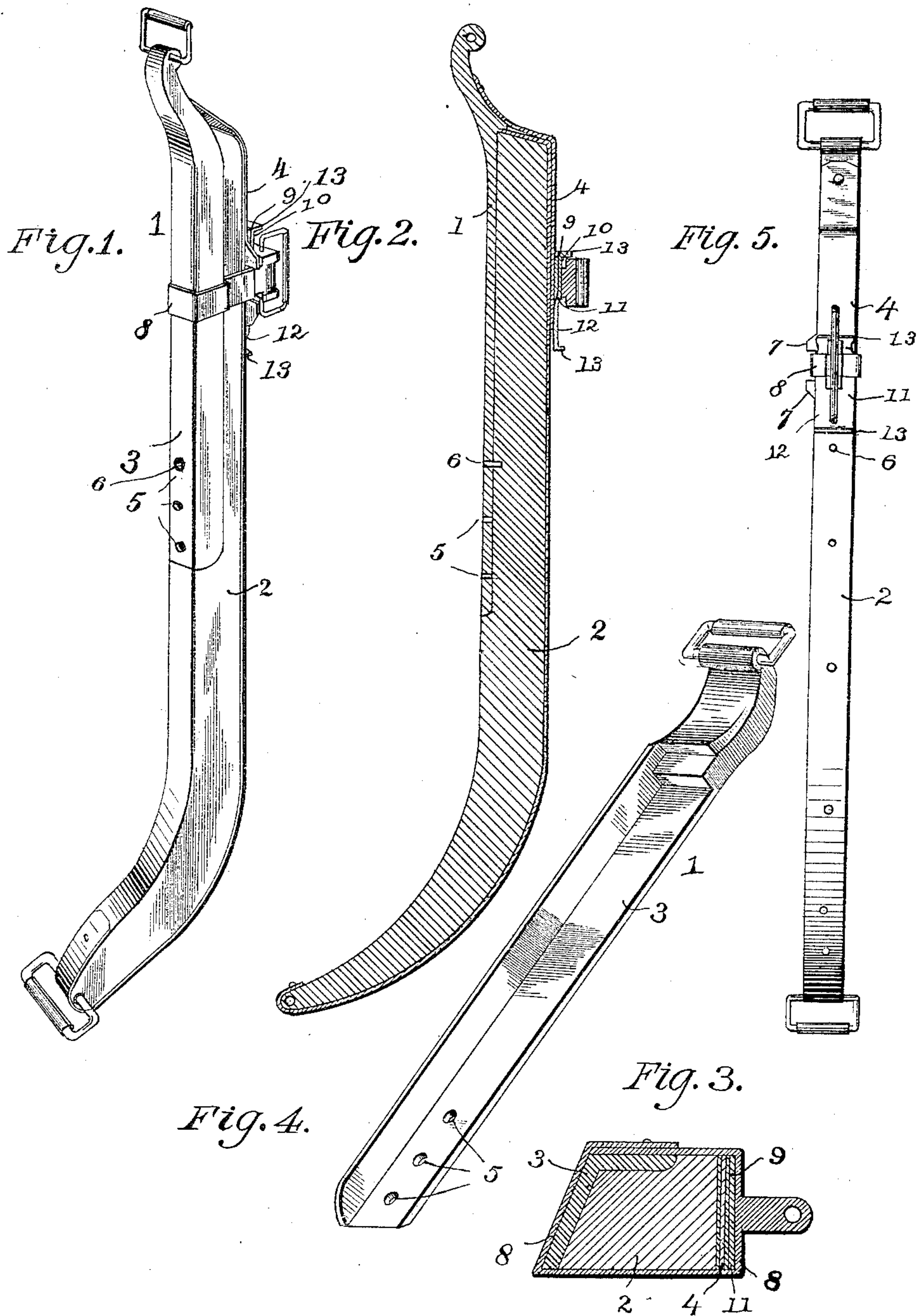


(No Model.)

C. H. VAN ORTHWICK.
HAME.

No. 461,003.

Patented Oct. 13, 1891.



Witnesses

J. Ulke Jr.
H. F. Riley

Inventor

Charles H. Van Orthwick.

By his Attorneys,

C. A. Snow & Co.

UNITED STATES PATENT OFFICE.

CHARLES H. VAN ORTHWICK, OF QUINCY, MICHIGAN.

HAME.

SPECIFICATION forming part of Letters Patent No. 461,003, dated October 13, 1891.

Application filed June 24, 1891. Serial No. 397,316. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. VAN ORTHWICK, a citizen of the United States, residing at Quincy, in the county of Branch and State of Michigan, have invented a new and useful Hame, of which the following is a specification.

The invention relates to improvements in hames.

10 The object of the present invention is to simplify and improve the construction of hames and enable them to be adjusted to increase and diminish their length to fit large or small collars and to avoid projecting upward beyond the same and presenting projections with which reins might become entangled.

20 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 claims hereto appended.

In the drawings, Figure 1 is a perspective view of a hame embodying the invention. 25 Fig. 2 is a longitudinal sectional view. Fig. 3 is a transverse sectional view. Fig. 4 is a detail perspective view of a casting. Fig. 5 is a rear elevation of the hame.

Referring to the accompanying drawings, 30 1 designates a casting adapted to be adjusted longitudinally on a hame 2 and consisting of a plate 3, arranged in the inner face of the hame, and having secured to it a spring-plate 4, arranged on the outer face of the hame. 35 The plate 3 or casting proper is L-shaped or angular in transverse section and conforms to the configuration of the inner and side faces of the hame, and is provided at its upper or outer end with an eye and near its inner or lower end with a series of perforations 5, through which passes a pin 6, which projects from the hame and secures the casting to the same and prevents longitudinal movement of the casting, and the pin 6 is adapted 45 to engage any one of the perforations 5. The spring-plate 4 has its upper end secured to the casting, and it extends along the outer face of the hame, and its lower end is provided at one side with projections 7, forming a recess to prevent a clip 8 moving independently of it, and the clip 8 encircles the hame and casting and secures the latter thereto and prevents lateral movement of the same. The clip 8 is arranged in the recess, 55 and is adjusted along the hame with the cast-

ing and may be secured to the latter, and is arranged between the projections 7, and is secured, when adjusted, by a slide 9, which has its upper portion 10 thickened by a plate 11, and is adapted to wedge the parts, and its lower portion 12 is thin to permit a movement of the parts. The slide is provided at its ends with lips 13 to prevent displacement and loss, and the spring-plate 4 is adapted, when the slide is raised, to spring outward 65 and free the parts from the hame and enable the casting to be readily adjusted longitudinally.

The casting and its means of securement are adapted for both wooden and iron hames. 70

It will be seen that the hame is simple and inexpensive and adapted to be readily adjusted longitudinally to increase or diminish its length to enable it to fit large and small collars and to avoid projecting above the 75 same and presenting ends with which reins might become entangled.

What I claim is—

1. The combination of the hame, the longitudinally-adjustable casting arranged on the 80 inner face of the hame and provided with a spring-plate having its lower end free and provided at one side with lugs which form a recess, means for securing the casting in its longitudinal adjustment, the clip encircling 85 the casting and the hame and lying within said recess, and the slide arranged between the spring-plate and the clip and provided with an enlarged portion adapted to wedge the parts, substantially as described. 90

2. The combination of the hame, the casting provided with a series of perforations, the pin 6, projecting from the hames and arranged to engage the perforations, the spring-plate secured to the casting and arranged on 95 the outer face of the hame and having its lower end free and provided with projections 7, the clip encircling the hame and the casting and the spring-plate, and the slide arranged between the spring-plate and the 100 clip and provided at its ends with lips and having a thickened portion arranged to wedge the parts, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in 105 presence of two witnesses.

CHAS. H. VAN ORTHWICK.

Witnesses:

H. W. AYERS,
M. M. BROWN.