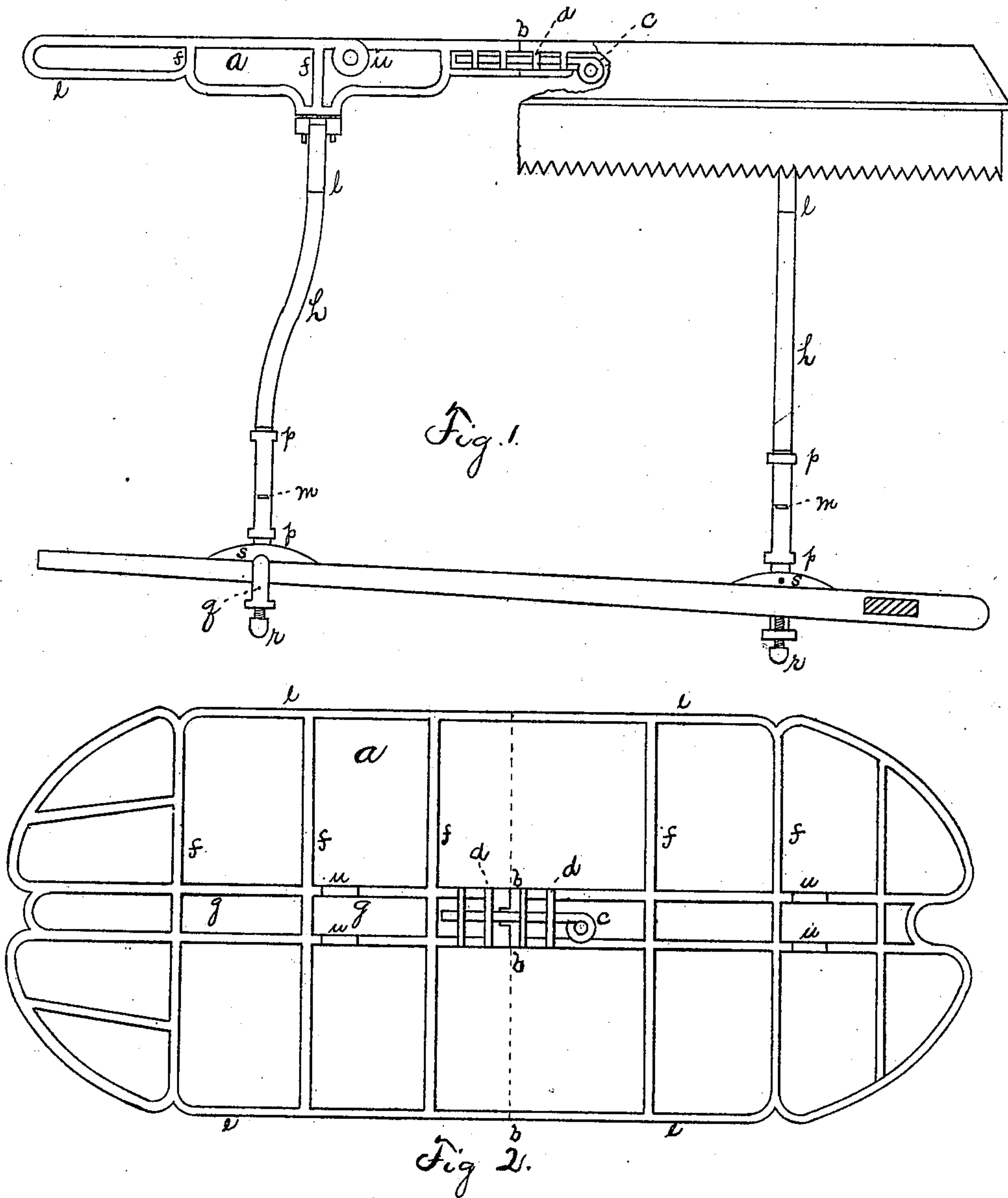


W. S. MARSH.
HORSE PROTECTOR.

No. 178,867.

Patented June 20, 1876.



WITNESSES:

Herbert G. Biggs
Edgar L. Brown

INVENTOR:

Wm. S. Marsh
Per atty
William Henry Clifford

W. S. MARSH.
HORSE PROTECTOR.

No. 178,867.

Patented June 20, 1876.

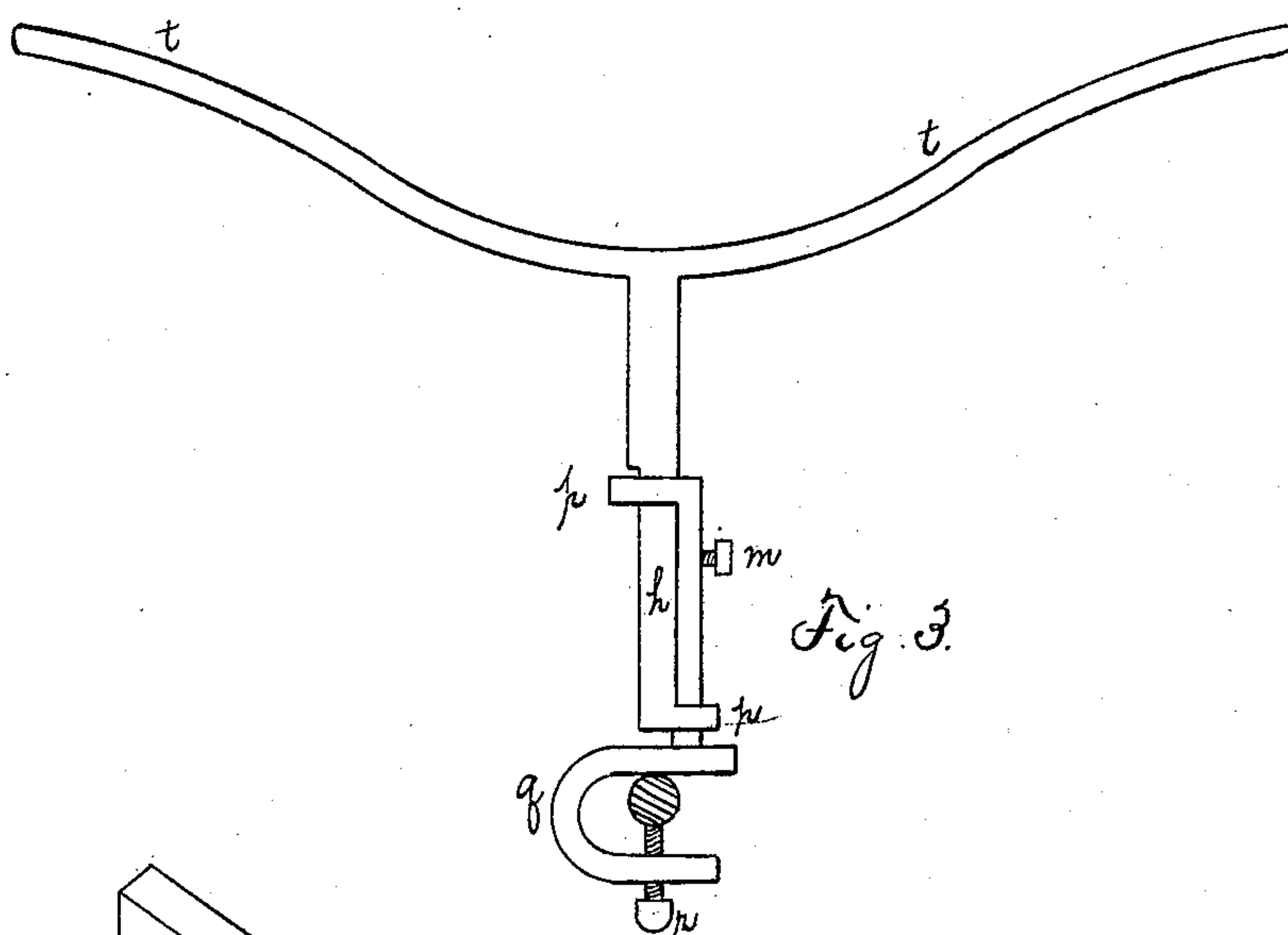


Fig. 3.

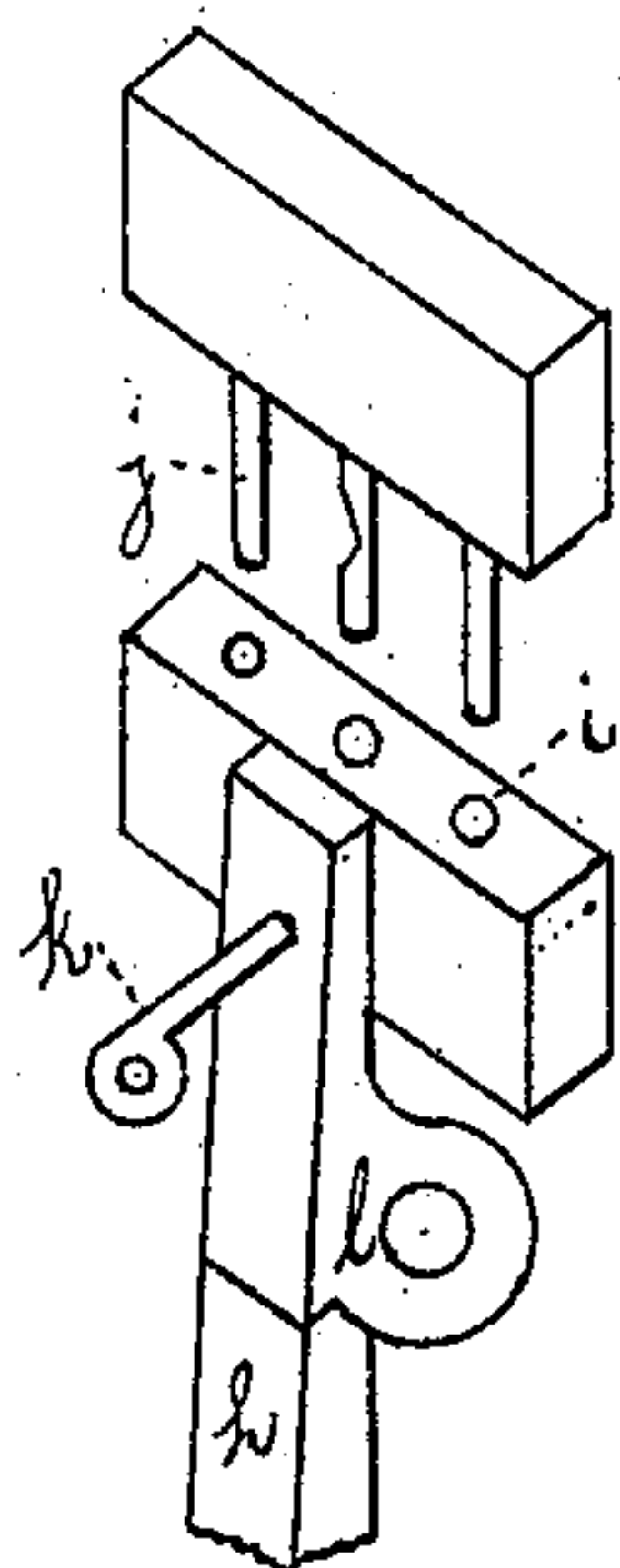


Fig. 4.

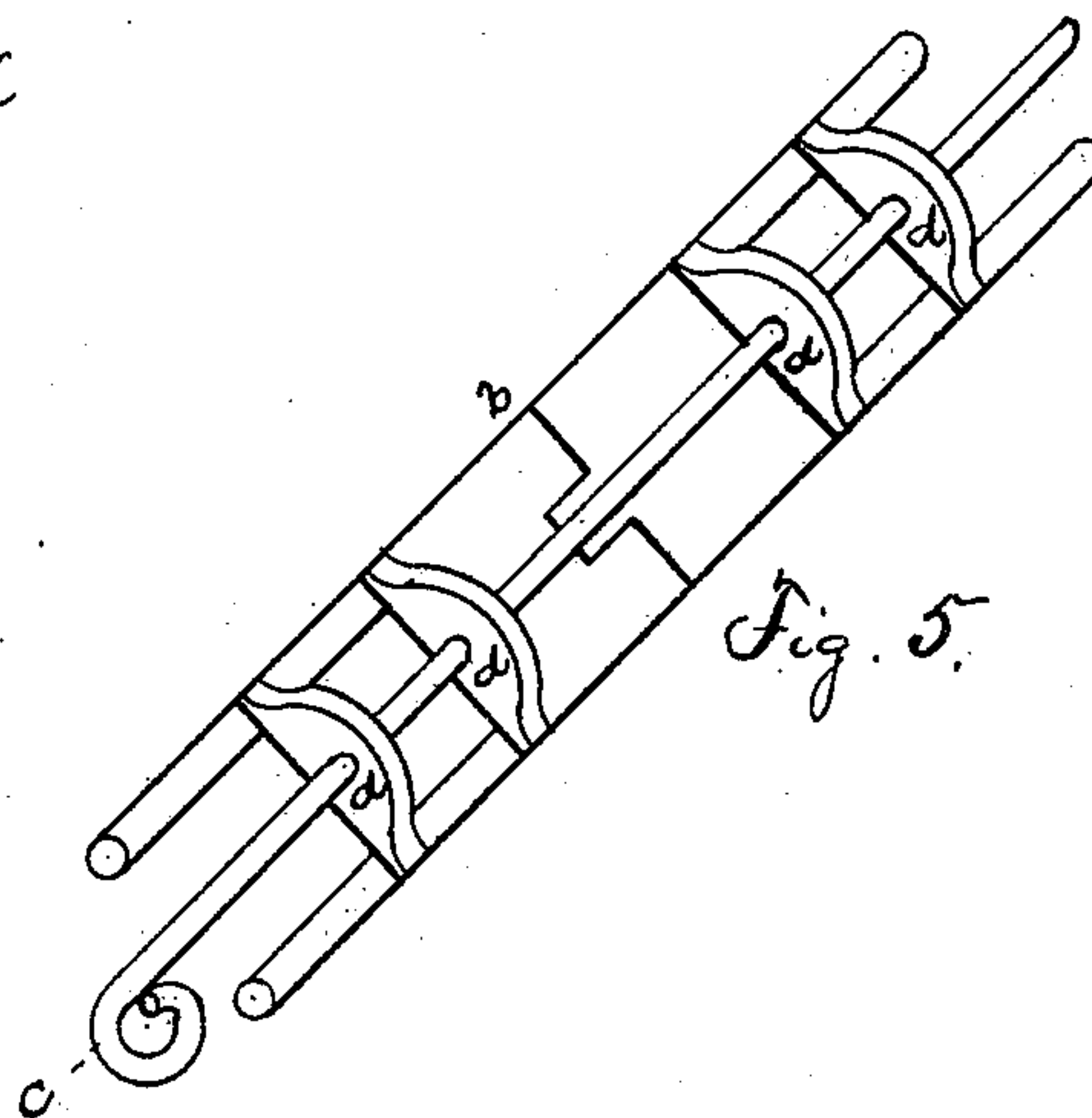


Fig. 5.

WITNESSES:

Herbert G. Briggs
Edgar S. Brown

INVENTOR:

Wm. S. Marsh
Per Atty.
William Henry Clapp

UNITED STATES PATENT OFFICE.

WILLIAM S. MARSH, OF NEW GLOUCESTER, MAINE.

IMPROVEMENT IN HORSE-PROTECTORS.

Specification forming part of Letters Patent No. **178,867**, dated June 20, 1876; application filed May 12, 1876.

To all whom it may concern:

Be it known that I, WM. S. MARSH, of New Gloucester, in the county of Cumberland and State of Maine, have invented certain new and useful Improvements in Horse-Protector; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of the protector. Fig. 2 is a plan of the frame of the same. Fig. 3 is one of the supports to be attached to a pole. Fig. 4 shows the method of fastening the standards to the frame. Fig. 5 shows the hinge used in closing up the frame.

Same letters show like parts.

The object of my invention is to produce a device for protecting horses, while harnessed to vehicles, from heat, rain, and also promote their comfort while working.

a shows a frame in two parts, hinged at *b*. The two parts are kept straight and rigid by the bolt *c* passing through the eyes *d* on each side of the hinge *b*. The frame *a* is composed of the side pieces *e*, the cross-pieces *f*, and the center part *g*. Over this frame is spread a thin rubber or canvas covering. The four supports *h* are provided with holes *i*. Into these fit the points *j*, projecting downwardly on the sides of the frame *a*. A pin, *k*, passes horizontally through the top parts of these supports and under a shoulder on one of the points *j*. The supports are thus secured to the frame. By means of the joint *l* the sup-

ports *h* can be folded inwardly down flat when the device is not in use. The supports *h* can be lengthened or shortened by turning the thumb-screw *m*, and hoisting or lowering the frame, passing the supports *h* through the sockets *p*. *q* shows bows to pass around the shafts, and, with the aid of thumb-screws *r*, to hold the device upon the same. The feet *s* are pivoted to the ends of the supports *h*.

Fig. 3 shows the device so modified as to fasten to a pole to support two frames for the protection of a span of horses. The arms *t* extend over the backs of the two horses, and enter the eyes *u*, where they may be fastened by any convenient device. The standards *h'* rise from the pole. The method of fastening and lengthening the standard is the same as before described. Two of this form are used, and afford a support to two coverings, one over each horse. By withdrawing the bolt *c* the frame and covering can be folded together on the hinge *b*.

What I claim as my invention, and desire to secure by Letters Patent, is—

The frame *a*, having its covering-hinge *b*, bolt *c*, and eyes *d*, and supported on the shafts of the carriage by the supports *h* attached to the shafts, as described, connected to the frame, as set forth, and capable of being lengthened or shortened, as specified.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM S. MARSH.

Witnesses:

MELVILLE R. BERRY,
ALICE B. CROSS.