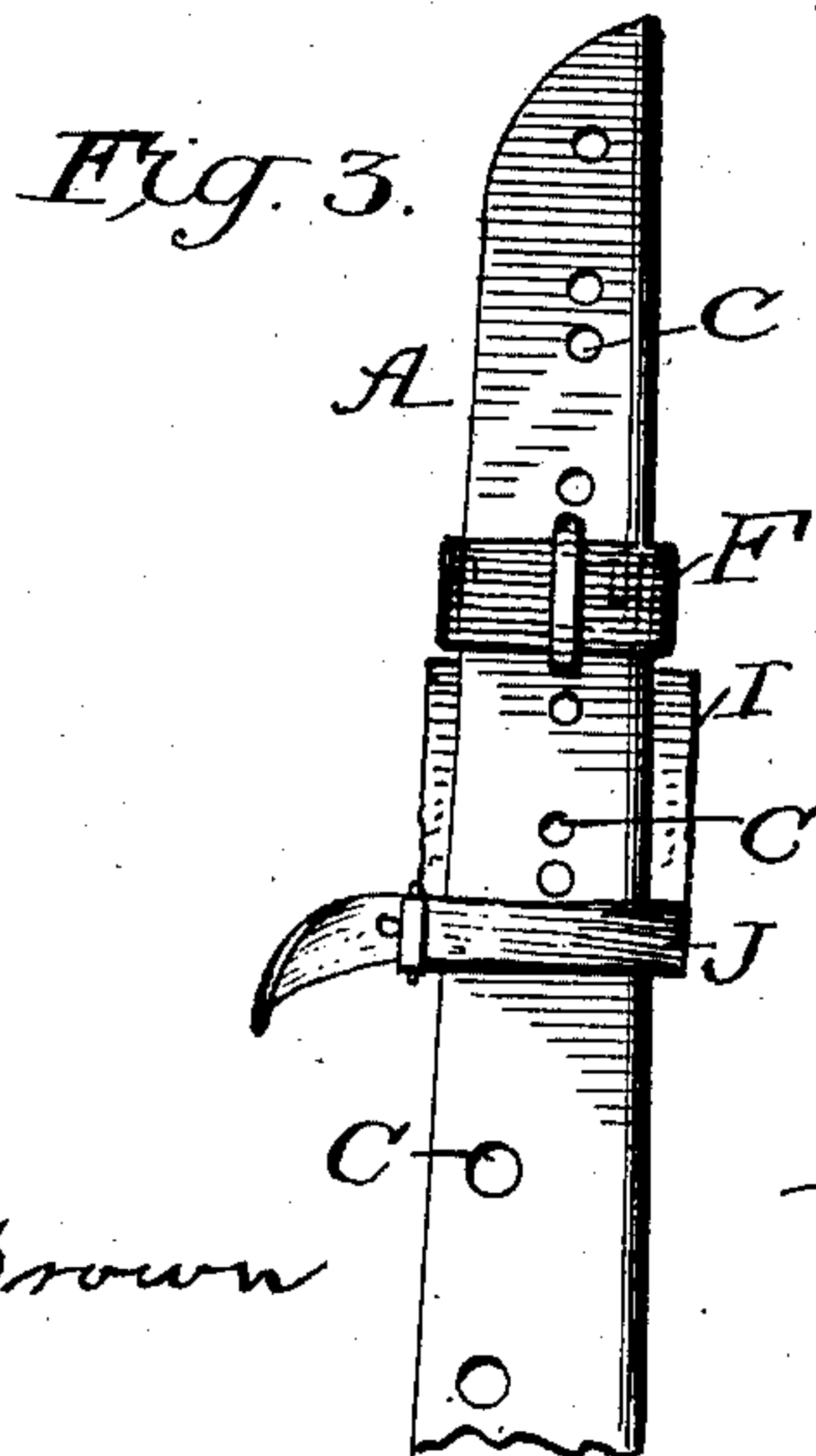
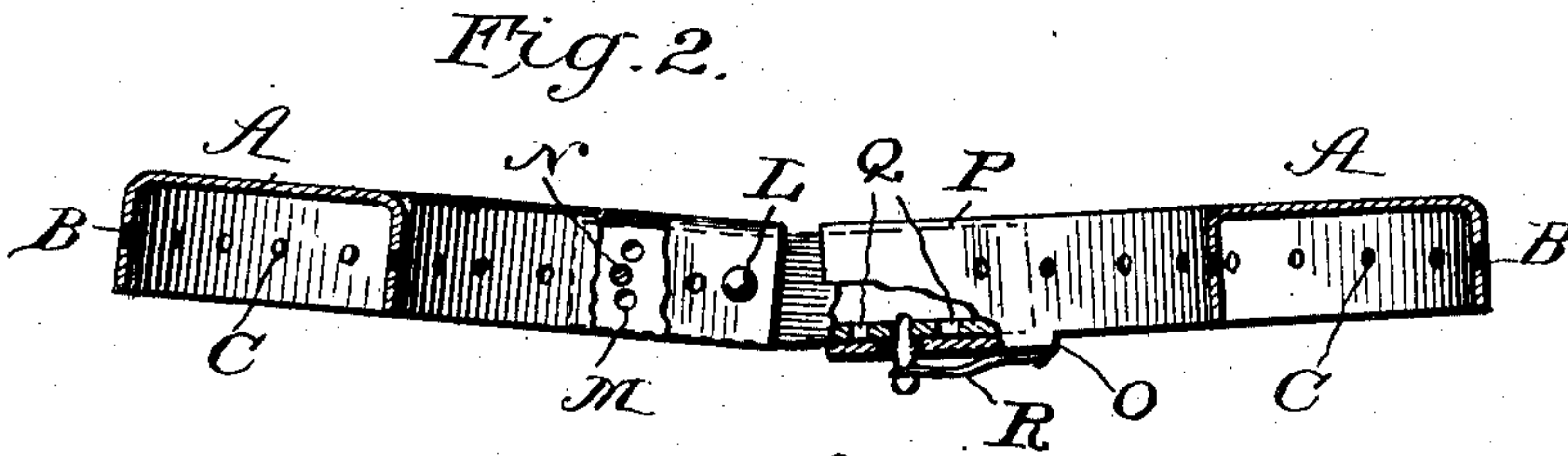
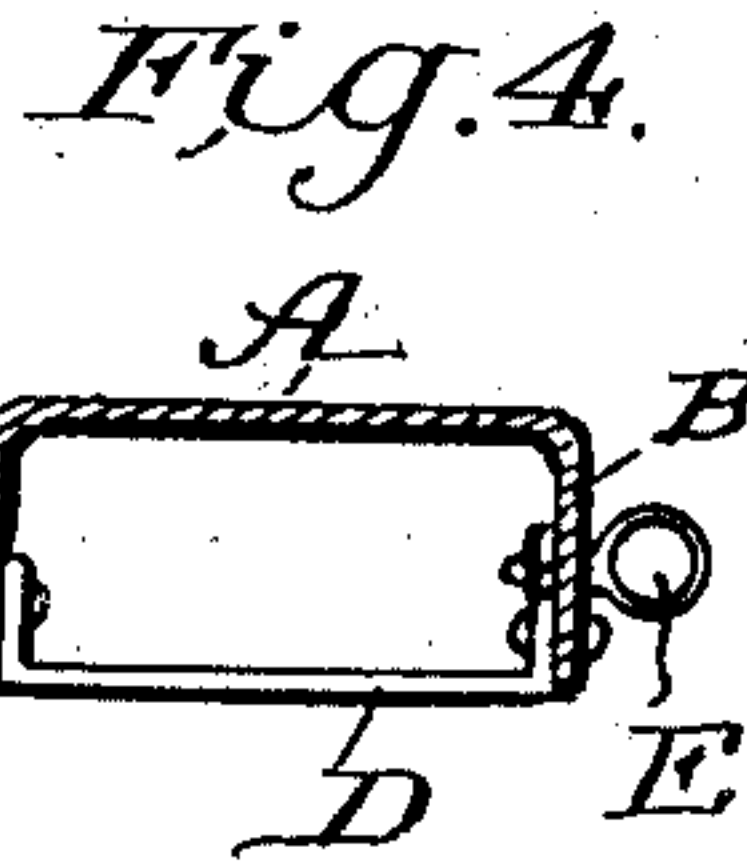
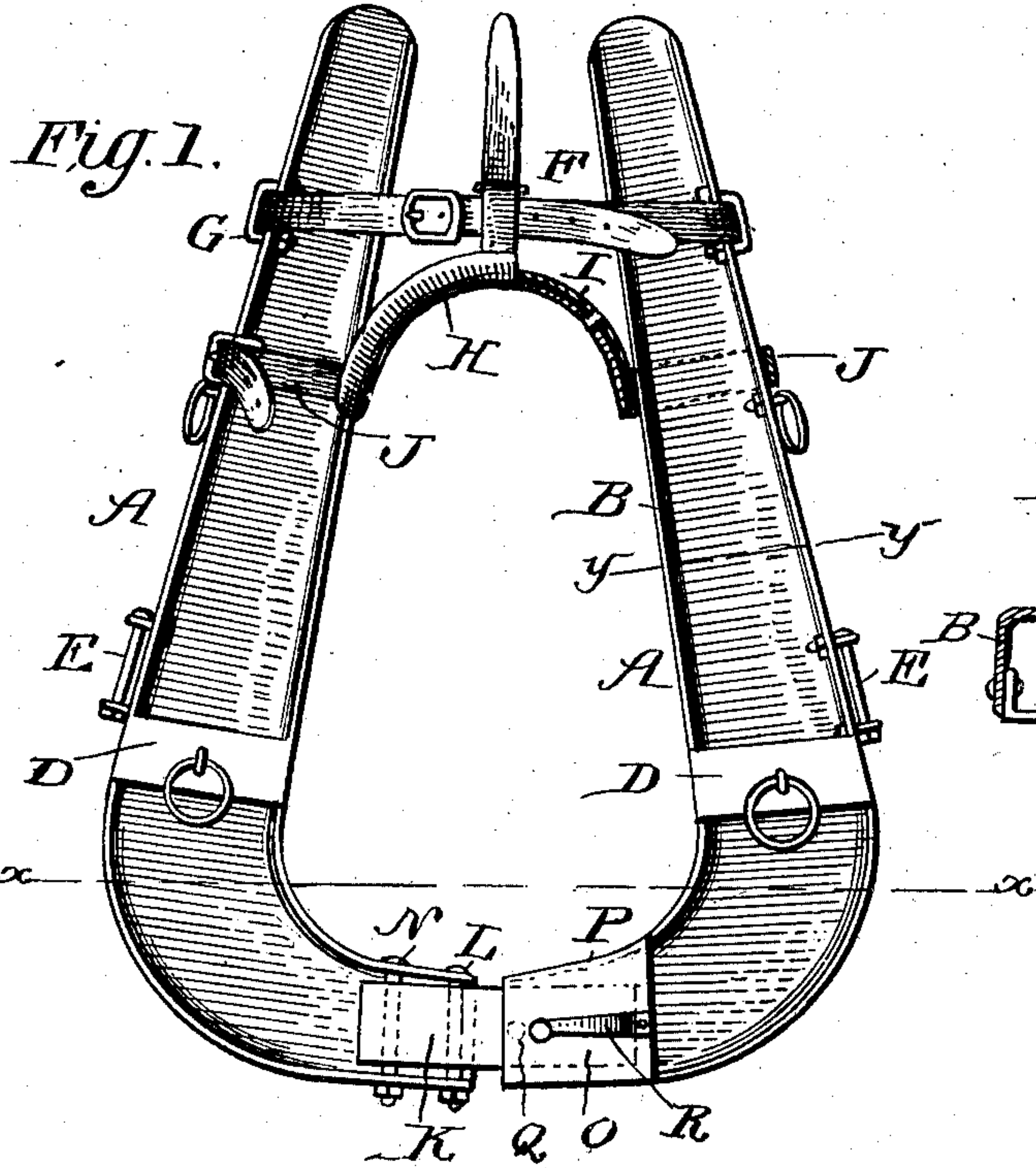


No. 737,459.

PATENTED AUG. 25, 1903.

D. F. O'LOUGHLIN.
METALLIC HORSE COLLAR.
APPLICATION FILED JULY 30, 1902.

NO MODEL.



WITNESSES:

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UNITED STATES PATENT OFFICE.

DENNIS F. O'LOUGHLIN, OF MOORHEAD, MINNESOTA.

METALLIC HORSE-COLLAR.

SPECIFICATION forming part of Letters Patent No. 737,459, dated August 25, 1903.

Application filed July 30, 1902. Serial No. 117,633. (No model.)

To all whom it may concern:

Be it known that I, DENNIS F. O'LOUGHLIN, of Moorhead, in the county of Clay and State of Minnesota, have invented certain new and
5 useful Improvements in Metallic Horse-Collars, of which the following is a specification.

The object of this invention is to provide an improved horse-collar which shall be neat and durable and at the same time of such perfect
10 fit that scalds, gall, bruises, sores, &c., on the horse's neck and shoulders are obviated.

The invention consists in the special details of construction, which I will now proceed to describe, with reference to the accompanying drawings, which form a part of this
15 specification, and in which—

Figure 1 is a front elevation. Fig. 2 is a section on X X of Fig. 1. Fig. 3 is a detail view showing in side elevation the upper end
20 of one side member, and Fig. 4 is a section on line Y Y of Fig. 1.

In constructing my improved collar I employ two parts or members A of substantially the same shape and size and construct them
25 of sheet metal suitable for the purpose. Each member A is formed with a flat rear side (see Fig. 2) and a right-angle flange B along its entire edge, save at the lower intumed end, and the said flange has a series of perforations C, affording means for the attachment
30 of a pad, should the latter be desired.

Near the lower end of each member A, on the flange side thereof, I arrange a plate D, having bent ends adapted to be riveted or
35 bolted to the opposite flanges of its member, as shown in Fig. 4. The plates D in addition to affording support for the neck-yoke straps brace the member and its flanges at the tug-hook connection E.

The collar is secured at the upper end of the members A by a strap F, supported in loops G. It will be seen that the free ends of the said loops are passed through two of the perforations C in the flange B and that they
40 are secured by nuts, though other securing means therefor providing detachability may be utilized. With such construction it is apparent that the said loops G may be adjusted up or down, according to the size of the horse's
50 neck.

H indicates a leather pad forming the under side of a U-shaped plate I. The pad forms support for the collar upon the horse's neck, and it is secured by three straps J, fixed thereto, adapted for buckling around the
55 members A and the fastening-straps F at the upper ends of said members.

The lower ends of the members A have peculiar fastening means consisting of a bent hollow section or link K, pivotally secured to
60 one member A at L and provided near the pivotal point with two or more perforations M, ranging in line from front to rear, either of which is adapted to receive the securing-bolt N, passing through two opposite perfo-
65 rations C in the flanges B. In further carrying out my invention I bridge the lower flanged end of the other member A with a plate O, riveted or otherwise secured, forming a socket P, adapted to receive the free
70 end of the section or link K. This end of the link K is provided with a series of perforations Q in line adapted to be engaged by a spring-catch or other suitable fastening
75 means R, projecting into or through the socket P. With the fastening means just described at the lower ends of the members it is apparent that they are adapted to be secured together, conforming to the thickness of the
80 horse's neck.

My collar is believed to involve novelty in its detailed construction and chiefly among which appear the flat under or rear side to the members A and the peculiar fastening
85 means at the lower ends thereof.

I am aware that it is not broadly new to construct a horse-collar of sheet metal; but so far as I am informed it is new with me to form the rear side of the collar member with
90 a flat bearing-surface and at the same time provide means whereby the said flat sides may be set to fit squarely against the horse's shoulders, thereby obviating winding pressure against his neck.

In effecting the fit of the collar the pin or
95 bolt N is changed to one or the other of the perforations M in the link K for canting the sides or members A on the pivot-bolt L, conforming to the shape of the horse's neck and shoulders.

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

1. A metallic horse-collar composed of side
5 members having flat rear sides, an upper fastening and support, and a lower fastening consisting of a socket on one member and a hinged link on the other member, the free
10 end of the link being arranged to enter the said socket and provided with means adapted for fixedly securing it to adjusted or in or
outcanted position, and a catch device where-
by the free end of the said link may be locked
15 against withdrawal from the said socket, substantially as described.

2. A metallic horse-collar composed of side members formed with perforated edge flanges and flat rear sides, and also having a socket at the lower end of one member, means for
connecting and supporting the collar at its 20 upper end, a lower fastening consisting of a link pivoted to one member and adapted to enter the socket in the other member, securing means in said socket, and means for se-
curing the link to adjusted or canted posi- 25 tion substantially as described.

DENNIS F. O'LOUGHLIN.

Witnesses:

C. W. NYE,
LENORA DAHL.