

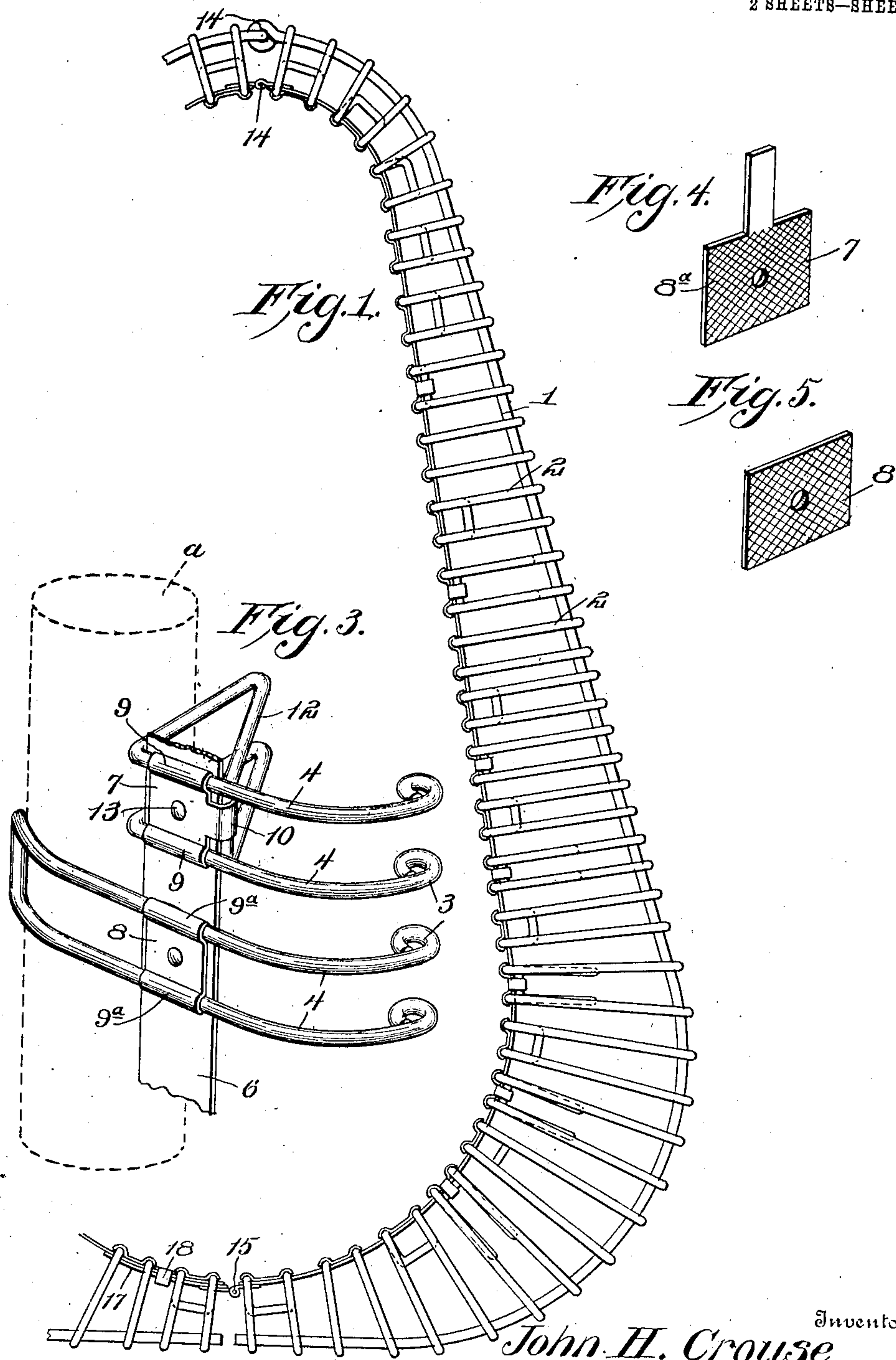
No. 892,711.

PATENTED JULY 7, 1908.

J. H. CROUSE.
HORSE COLLAR.

APPLICATION FILED MAR. 22, 1907.

2 SHEETS—SHEET 1.



Witnesses

Louis R. Heinichs
[Signature]

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John H. Crouse

By

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2 SHEETS—SHEET 2.

Fig. 5.

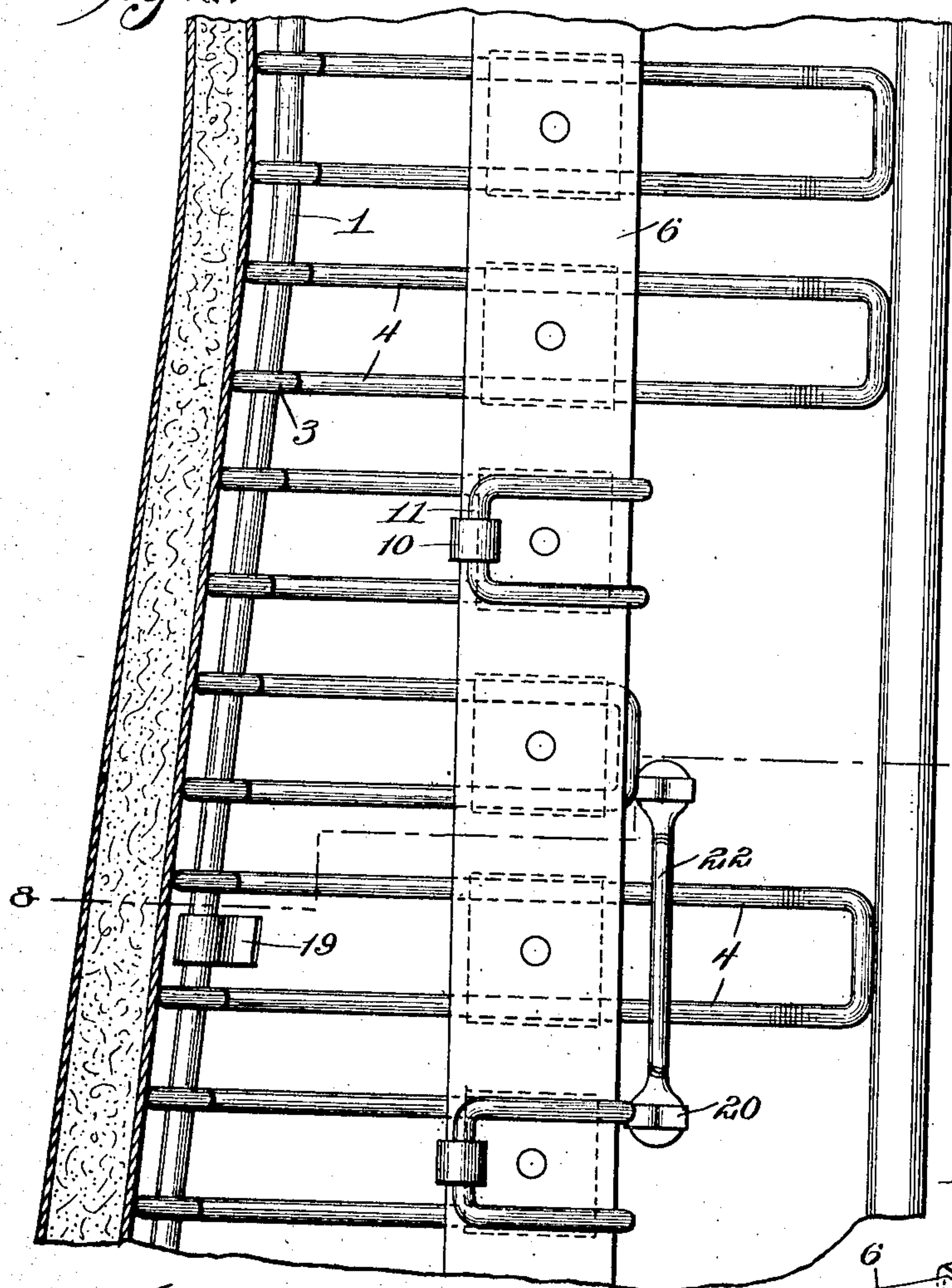


Fig. 6.

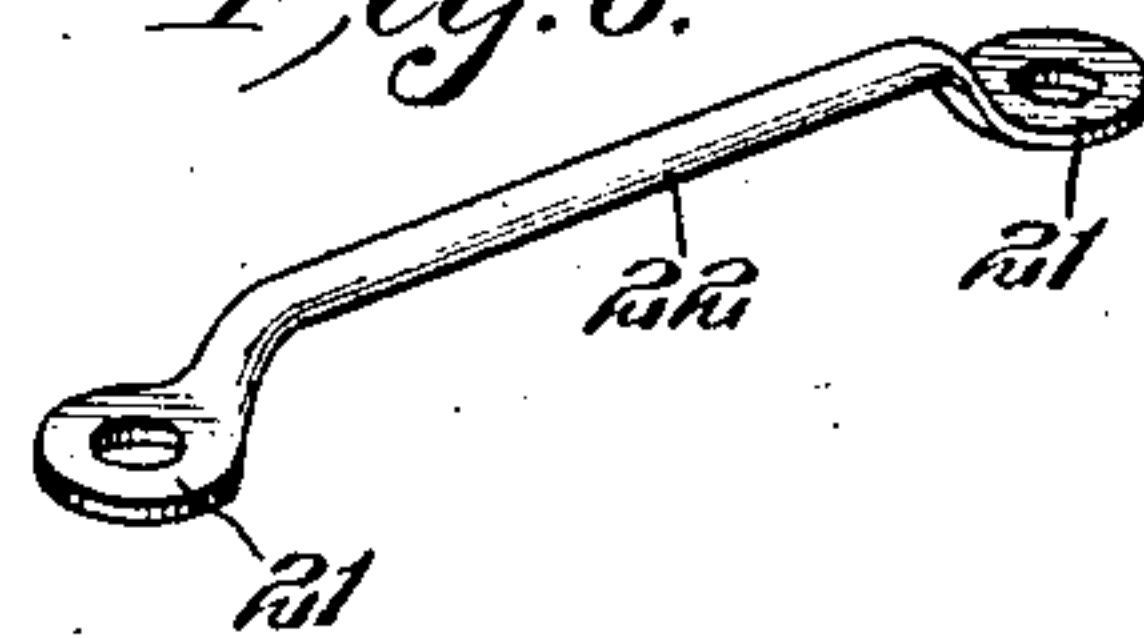


Fig. 7.

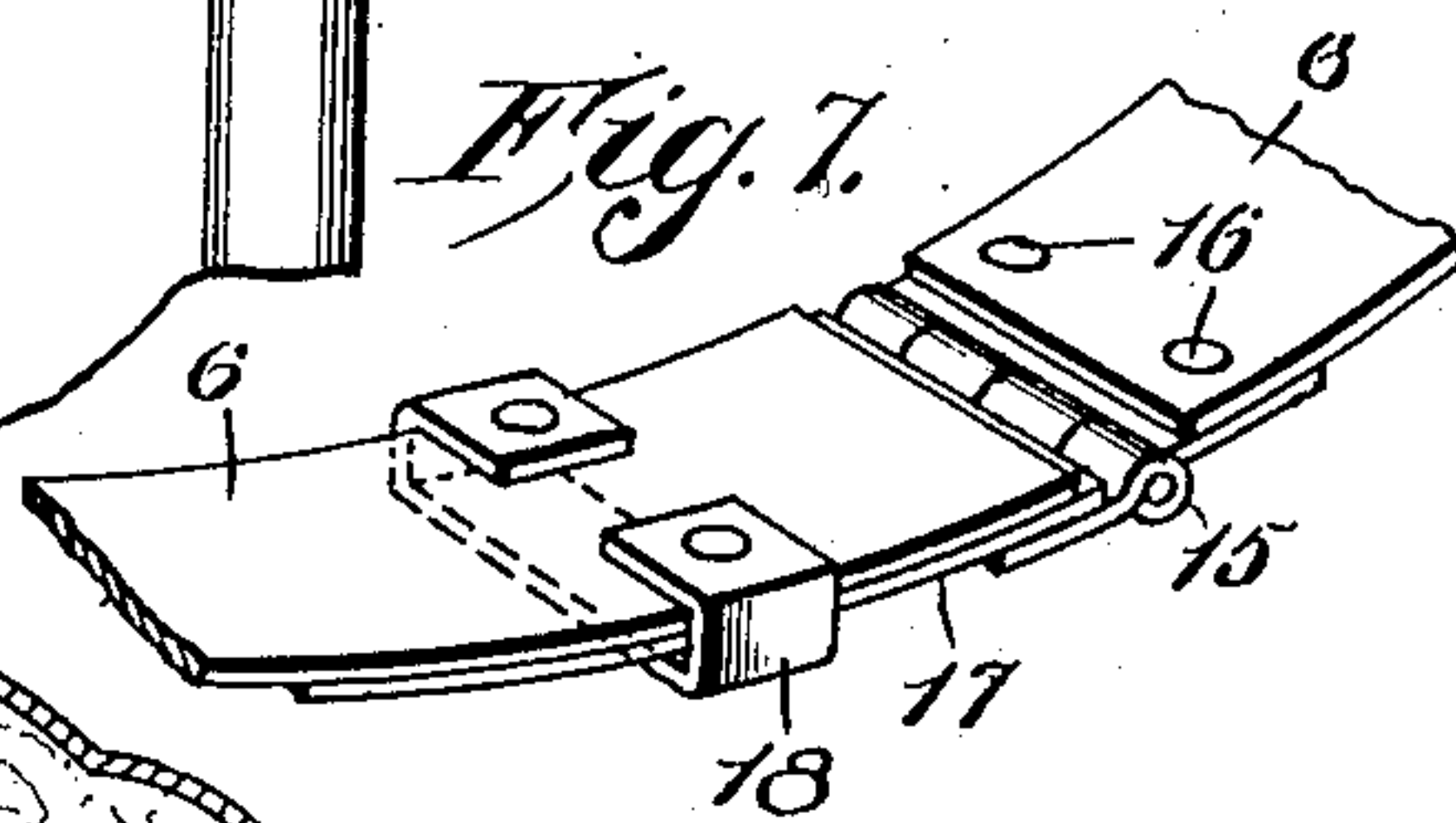
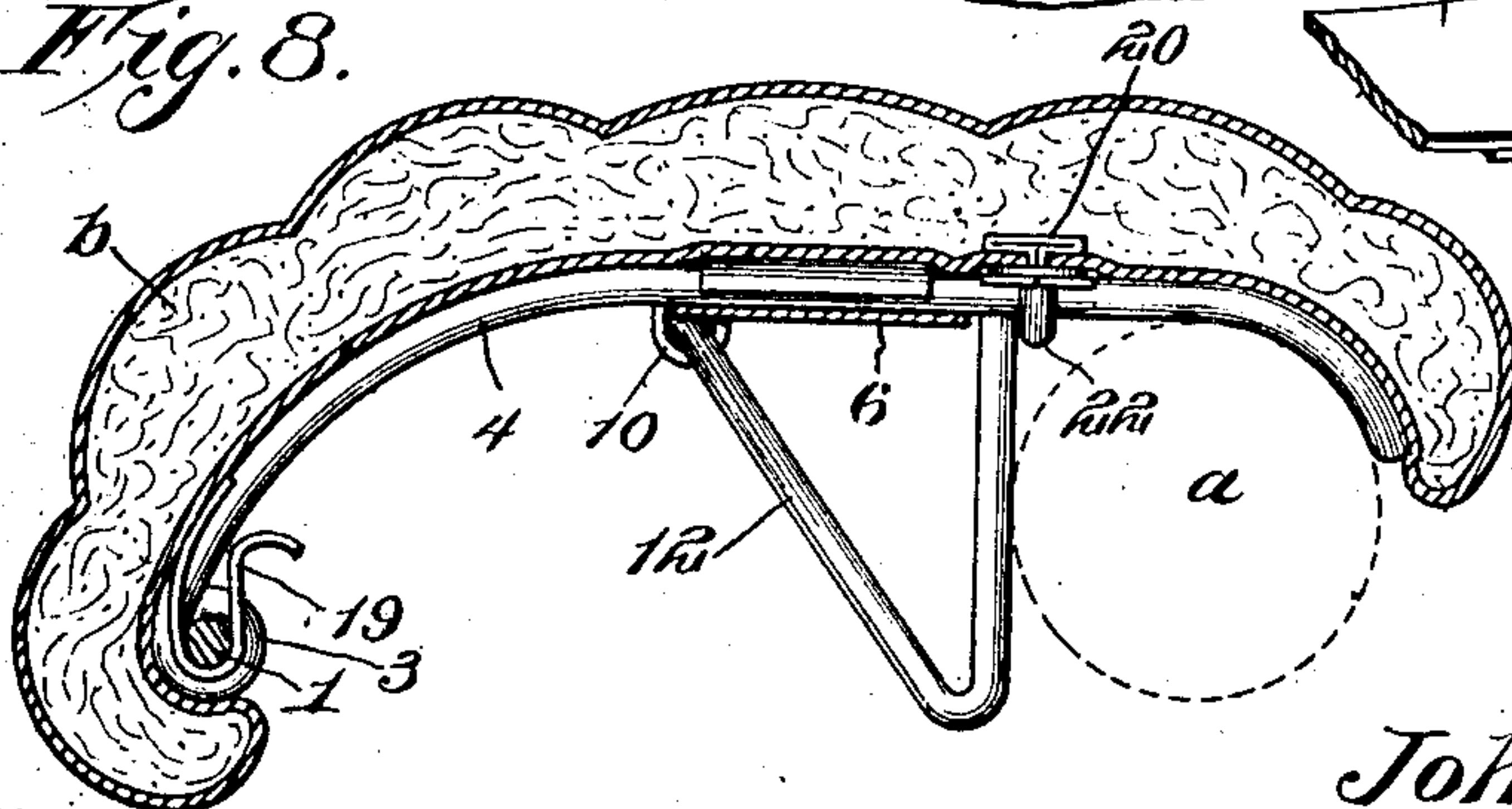


Fig. 8.



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UNITED STATES PATENT OFFICE.

JOHN H. CROUSE, OF AUBURN, NEW YORK.

HORSE-COLLAR.

No. 892,711.

Specification of Letters Patent.

Patented July 7, 1908.

Application filed March 22, 1907. Serial No. 363,858.

To all whom it may concern:

Be it known that I, JOHN H. CROUSE, a citizen of the United States of America, residing at Auburn, in the county of Cayuga and State of New York, have invented new and useful Improvements in Horse-Collars, of which the following is a specification.

This invention relates to horse collars and one of the principal objects of the same is to provide a horse collar which will not require the usual stuffing and which will have a removable pad to bear upon the shoulder support.

Another object of my invention is to provide a curved spring wire frame for a horse collar and to provide a detachable pad to be secured to said frame, thus providing a light cool and substantial collar.

Still another object of my invention is to provide a spring wire frame or foundation for horse collars having extending braces against which the hame is adapted to bear.

These and other objects may be attained by means of the construction illustrated in the accompanying drawings, in which:

Figure 1 is a front elevation of the metal frame work of a horse collar made in accordance with my invention, said figure illustrating one half of the collar with a portion of the other half broken away. Fig. 2 is an enlarged detail side view of the metal frame work of the collar, the pad being shown in section. Fig. 3 is a perspective view of a portion of the metal foundation of the collar and showing a section of a hame in dotted lines connected thereto. Fig. 4 is a perspective view of one member of the clip designed for holding the hame braces in place. Fig. 5 is a similar view of the blank for a metal clip for holding the wire arms in place. Fig. 6 is a perspective view of a double washer for securing the pad to the metal collar frame. Fig. 7 is a detail perspective view of the collar fastener. Fig. 8 is a sectional view on the line 8—8, Fig. 2, and showing the hame in dotted lines.

Referring to the accompanying drawings for a more particular description of my invention, the numeral 1 designates the longitudinal wire which forms the outer edge of the horse collar frame, and 2 designates the wire sections secured at their terminal ends to the wire 1 by means of eyes 3 bent around said wire 1, as shown more particularly in Fig. 2. The wire sections 3 are each composed of two arms or members 4 connected by a crown or

bar 5, said arms or members 4 being curved to substantially conform to the shape of the shoulder and withers of a horse. To hold the wire sections 2 in proper relative positions, a metallic plate 6 is placed upon the concave inner side of the collar frame and said plate is secured to the members 2 by means of clips 7 and 8, Fig. 3, said clips being formed from the blank shown in Figs. 4 and 5. The clip 7 is roughened upon its inner surface, as at 8^a, and the opposite side edges are bent around the arms 4, as at 9, and provided with a tongue 10 which is bent around a cross bar 11 which connects the two hame braces 12 formed integral with the arms 4, as shown more particularly in Fig. 3. The clip 7 is riveted at 13 to the plate 6 between the arms 4. The clip 8 is also provided with a roughened surface and is bent around the arm 4, as at 9^a, in a manner similar to the bent portions 9 of the clips 7. It is to be noted that some of the members 2 are provided with hame braces 12, while the others extend outward to form a support for the hame *a*, shown in dotted lines in Figs. 3 and 8. The collar frame is formed in two sections hinged together at the upper ends, as at 14, while the lower ends of said sections are connected by a hinge 15, said hinge being secured at one side to the strip 6 by means of rivets 16, as shown in Fig. 7, the opposite member of the hinge 15 being secured to a plate 17 which extends under the opposite strip 6. A metal loop 18 is secured to the plate 6 to hold the plate 17 in place against lateral movement. A pad *b*, provided with hooks 19 to engage the wire 1, is held in position against the convex side of the wire frame of the collar by means of fasteners 20 which pass through the inner layer of the pad and extend through the perforations 21 in the double washer 22, shown in Fig. 6, the connecting bar between said washers, extending across the arms 4 of the members 2 at certain points within the length of the frame to hold the pad in place, as shown more particularly in Figs. 2 and 8.

From the foregoing it will be obvious that a horse collar made in accordance with my invention, will be light in weight, well ventilated and will yield to the motion of the horse, in use, while the collar frame can be made at slight cost and will not be liable to gall the horse.

Having thus described the invention, what I claim is:

1. The herein described horse collar com-

prising a longitudinal wire extending around
the outer edge of the collar, separate wire
members comprising parallel strands bent
at their ends around said longitudinal wire
5 and curved to fit the shoulders of a horse, a
metal strip extending across the wire mem-
bers on the inner edge of the collar frame,
metal clips riveted to the metal strips, said
clips engaging the wire members, hame
10 braces formed on some of the wire members,
and means for holding said hame braces in
position.

2. A sectional wire frame horse collar com-
prising a longitudinal wire, yielding wire
15 members connected thereto, a strip extend-

ing longitudinally of the collar section and
connected thereto by clips, said collar sec-
tions being hinged together at their upper
ends, and detachably connected together at
their lower ends by a hinge riveted to one 20
of the strips, a plate secured to the opposite
member of the collar, and a loop riveted to
the opposite strip for engaging said plate,
substantially as described.

In testimony whereof, I affix my signature 25
in presence of two witnesses.

JOHN H. CROUSE.

Witnesses:

SAMUEL ODELL,
HELEN M. ELLS.