

No. 734,001.

PATENTED JULY 21, 1903.

C. C. SCHWANER.  
JOINTED HAME TUG.

APPLICATION FILED AUG. 28, 1902.

NO MODEL.

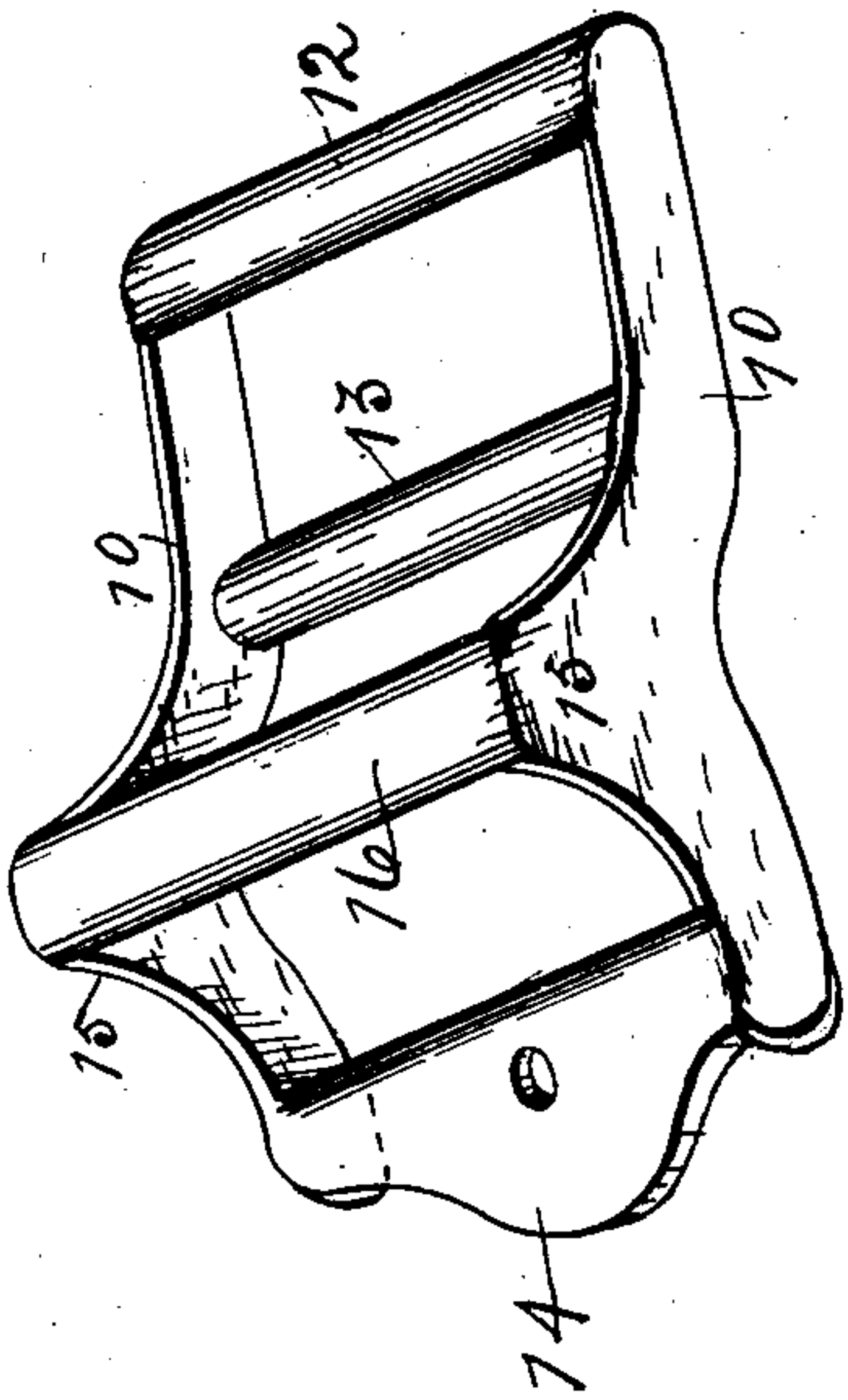


Fig. 1

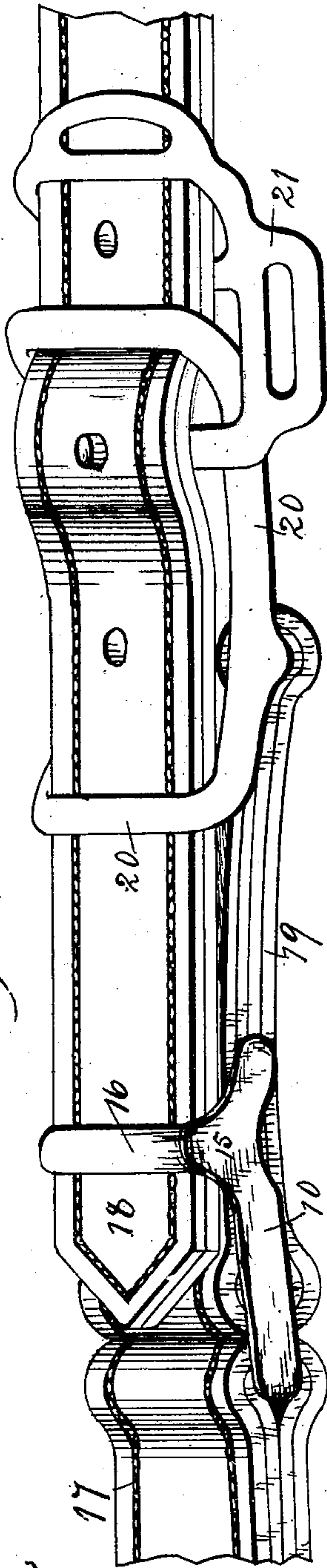


Fig. 2

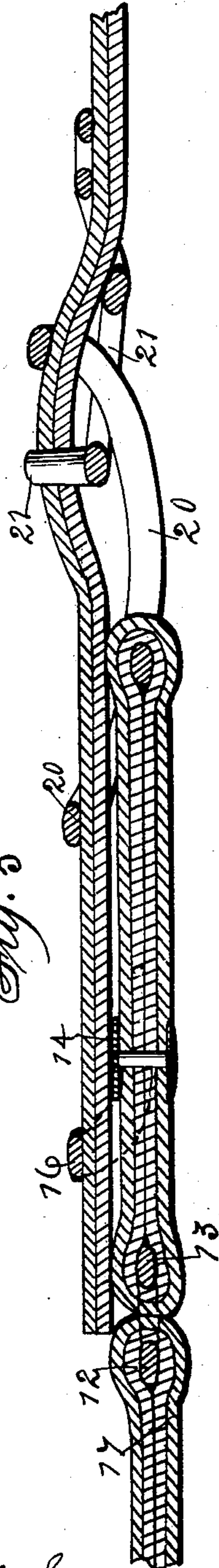


Fig. 3

Witnesses:  
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By Thomas C. Orwig, Attorney.



# UNITED STATES PATENT OFFICE.

CHRISTIAN C. SCHWANER, OF WINTERSET, IOWA.

## JOINTED HAME-TUG.

SPECIFICATION forming part of Letters Patent No. 734,001, dated July 21, 1903.

Application filed August 29, 1902. Serial No. 121,484. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTIAN C. SCHWANER, a citizen of the United States, residing at Winterset, in the county of Madison and State of Iowa, have invented a new and useful Metal Hame-Tug Section, of which the following is a specification.

Heretofore a metal hame-tug section has had a leather section fixed to its rear end and a buckle connected with the fixed leather section, a cross-bar at the central portion and a leather section hinged to the cross-bar, and a metal loop in front of the cross-bar and a metal loop in rear of the cross-bar, so that the front end of a trace that extended forward from the buckle would slip under the metal loops of the metal section and the joint between the leather section and the metal section would be some distance in rear of the front loop and allow sufficient flexure to permit the front end of the trace to slip out of the front metal loop.

My object is to provide a metal hame-tug section adapted for pivotally connecting a leather section with the cross-bar at its front end and rigidly fixing a leather section to a second cross-bar and the rear end portion in such a manner that the joint between the metal section and the leather section will be at the front of the metal section and a metal loop in rear of the front end of the fixed leather section, so that when a trace is connected with the buckle and its front end extended forward under one part of the buckle that serves as a loop it will slip under the loop of the metal section, and the flexure produced by the joint in front of the metal loop will not permit the end of the trace from slipping out from under the loop.

My invention consists in the construction of a metal section and the arrangement and combination of the metal section, two leather sections, and a trace-buckle, as hereinafter set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of the metal hame-tug section. Fig. 2 is a perspective view that shows all the parts connected as required for practical use. Fig. 3 is a longitudinal sectional view of Fig. 2 and shows how the rear

leather section is fixed to the rear end portion of the metal section and the trace-buckle connected with the rear end of the fixed leather section.

The numeral 10 designates the mating parallel sides of the rigid metal hame-tug section. They are connected at their front ends by a bar 12 and a cross-bar 13 at some distance from their ends. The rear ends of the sides are connected by a flat rearward extension 14, that has a central perforation and is adapted to be riveted on top of the rear leather section, as shown in Fig. 3. The rear end portions of the sides 10 have upward projections 15, that are connected at their tops by a flat bar 16 to produce an integral loop adapted to admit the front end of a trace to slip under and be retained securely, as shown in Fig. 2, while at the same time the flexure between the front leather section 17, that is hinged to the front cross-bar 12 of the metal section, will not interfere with the retention of the front end 18 of a trace that overlies the rear fixed leather section 19. The front end of the hinged leather section is designed to be connected with a harness-hame in a common way.

To the rear end of the fixed rear leather section is connected the frame 20 of a trace-buckle, and the other portion 21 of the buckle is slidably connected with part 19, so that the front end portion of a trace 22 can be readily adjustably connected with the buckle and the rear leather section 19 and its front end secured under the portion 16 of the rigid loop that is integral with the metal section, as shown in Fig. 2.

Having thus described the purpose of my invention, the construction of the metal hame-tug section, and the arrangement and combination therewith of the front and rear leather sections and a trace-buckle, the practical operation and utility of the invention will be obvious to persons familiar with the art to which the improvement belongs, and

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

A metal hame-tug section, consisting of two mating parallel sides having vertical extensions at their central portions connected at their tops by a cross-bar adapted to serve as a

loop, a cross-bar at the front ends of the parallel sides adapted for hinging a leather section thereto, a cross-bar at some distance from their front ends adapted for fixing a  
5 leather section thereto and to produce a joint and a flat cross-bar at their rear ends and top edge portions provided with a perforation and adapted to be fixed on top of a leather section as shown and described for the purposes stated.

CHRISTIAN C. SCHIWANER.

Witnesses:

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A. L. STOUT.