No. 866,829.

PATENTED SEPT. 24, 1907.

W. UHRMACHER.

CLEVIS SUPPORT.

APPLICATION FILED MAY 27, 1907.

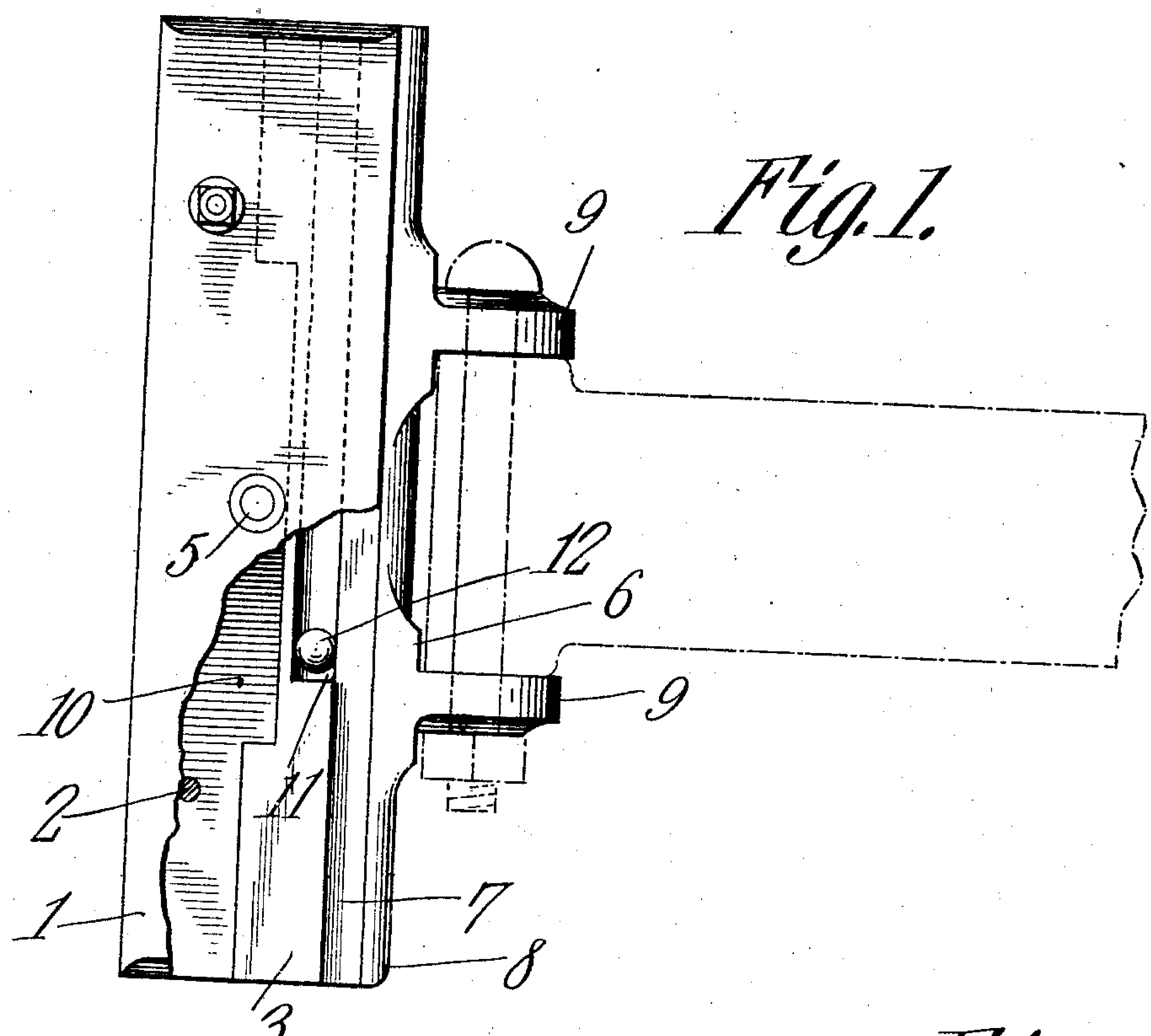

Fig. 1.

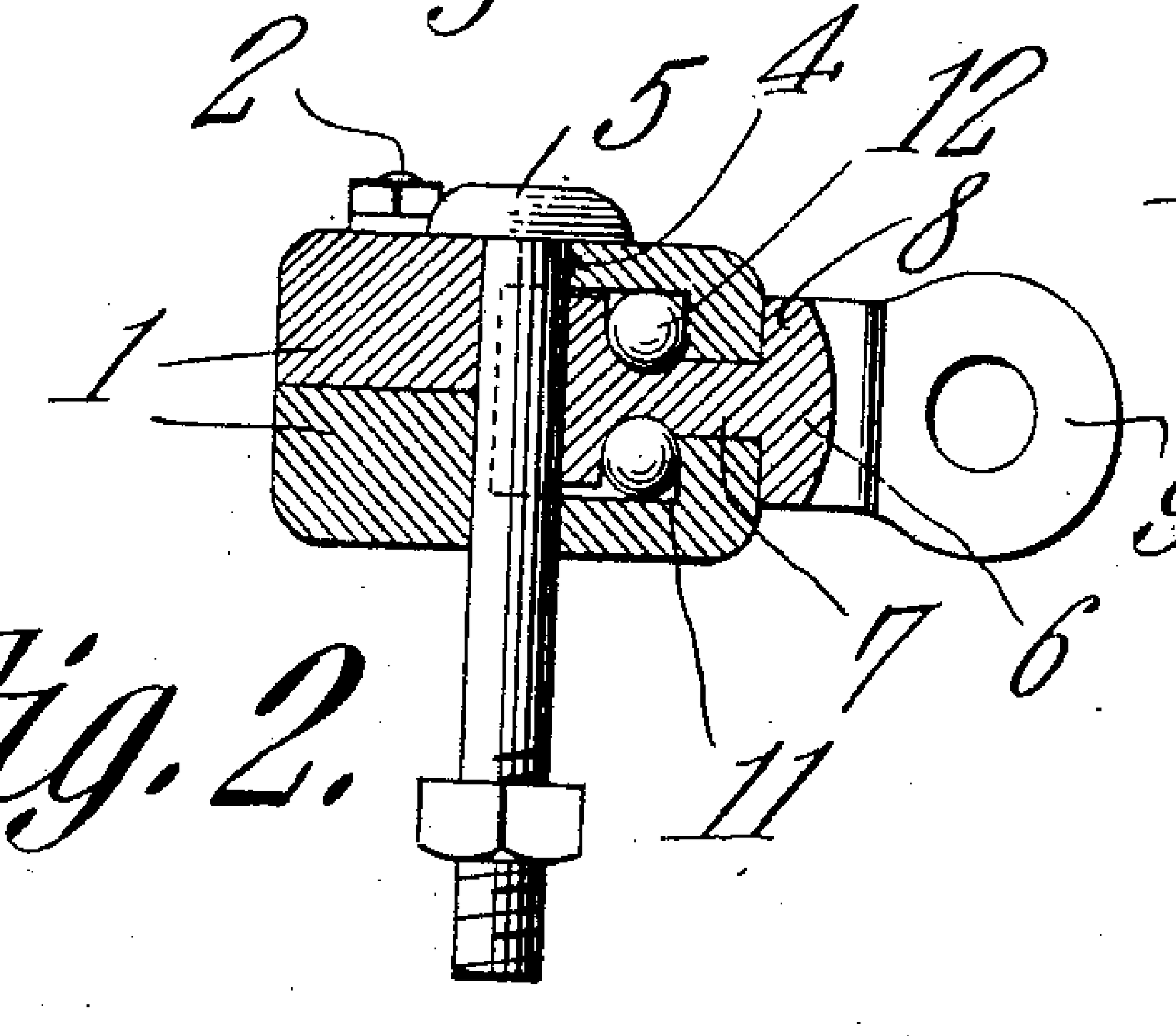

Fig. 2.

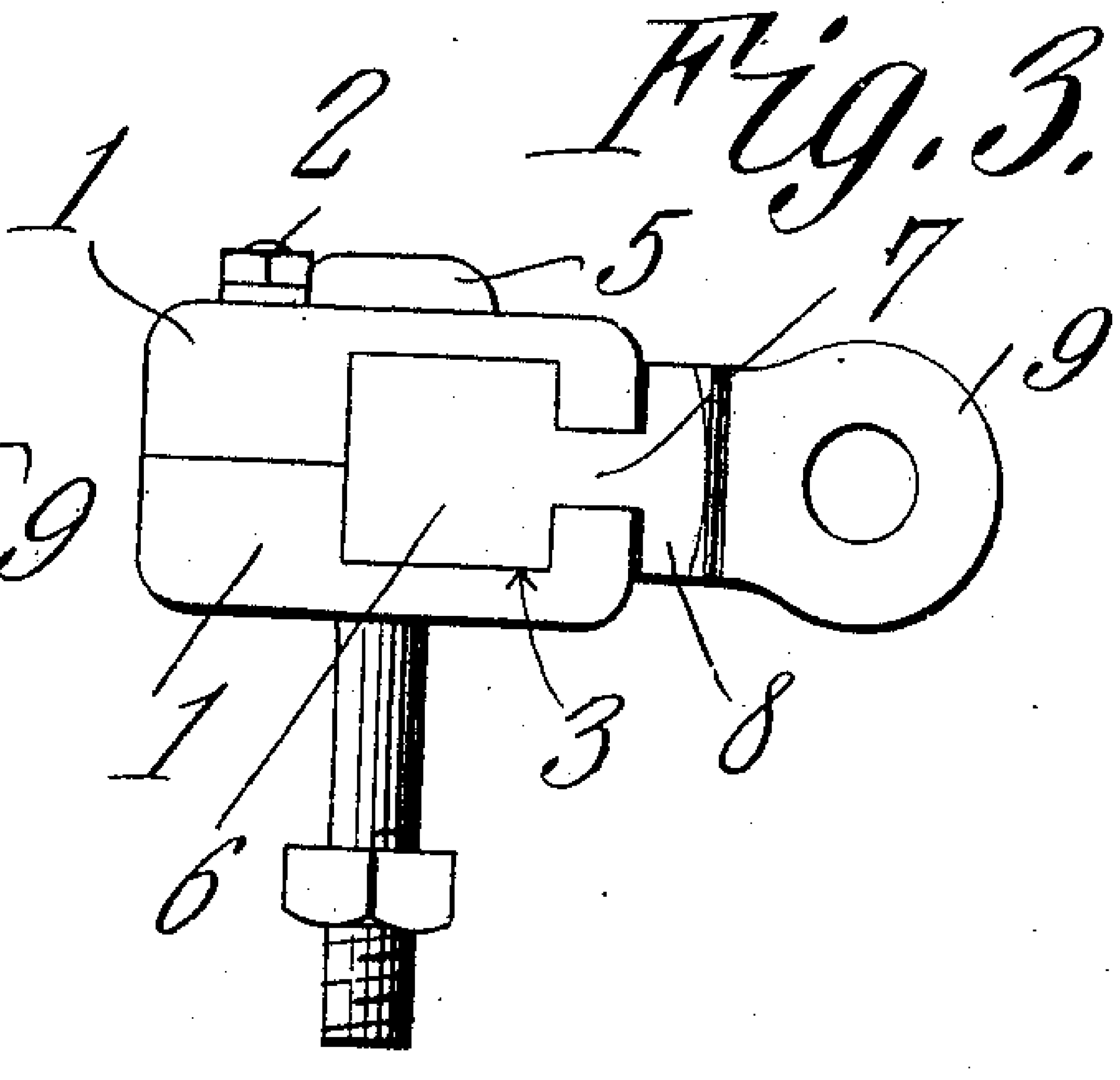

Fig. 3.

WITNESSES:

E. F. Stewart

[signature]

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UNITED STATES PATENT OFFICE.

WILLIAM UHRMACHER, OF TRENTON, MISSOURI.

CLEVIS-SUPPORT.

No. 866,829. Specification of Letters Patent. Patented Sept. 24, 1907.

Application filed May 27, 1907. Serial No. 376,013.

To all whom it may concern:

Be it known that I, WILLIAM UHRMACHER, a citizen of the United States, residing at Trenton, in the county of Grundy and State of Missouri, have invented a new and useful Clevis-Support, of which the following is a specification.

This invention has relation to clevis supports and it consists in the novel construction and arrangements of its parts as hereinafter shown and described.

The object of the invention is to provide a support adapted to be attached to the beam of a plow and which is provided with a laterally shiftable member mounted upon ball-bearings which may be shifted to one side or the other of the plow beam whereby the draft animal is made to travel to one side of the beam instead of in a direct line with the same and without effecting the draft upon the plow.

In the accompanying drawing:—Figure 1 is a top plan view with part broken away. Fig. 2 is a vertical sectional view of the same, and Fig. 3 is an end view of the same.

The support consists of the plates 1, 1 which are held together by the bolts 2. The said plates are provided upon their inner sides with the longitudinally disposed channels or grooves 3. Said grooves lie directly opposite each other when the plates are secured together and the edges of the plates adjacent the said channels or grooves are spaced from each other. The plates are provided at a point midway between their ends with a perforation 4 which is adapted to receive a bolt 5 by means of which the clevis (not shown) is attached to the support. The plates 1 are mounted for longitudinal movement relative to the bar 6. The said bar fits snugly within the grooves 3 at its end portions and is provided with a reduced portion 7 which fits between the spaced edges of the plates 1 and a flange or shield portion 8 which lies against the spaced edges of the plates 1 and overlaps the same. The rear side of the bar 6 is provided with the spaced perforated lugs 9 which are adapted to be attached to the plow beam. The opposite edge of the bar 6 is cut away as at 10 in order to permit the bolt 5 to pass through the perforations 4 of the plates 1 and the ends of the cut out portion 10 are adapted to engage the bolt 5 for limiting the lateral movement of the plates 1 with relation to the bar 6. The bar 6 is provided at the middle of its upper and lower sides with the longitudinally disposed ball channels 11 in which are located the balls 12. The said balls also bear against the sides of the grooves 3 and form an anti-friction means between the bar 6 and the plates 1.

From the foregoing description it is obvious that when the bar 6 is attached to a plow beam the plates 1 may be shifted laterally to one side or the other of the center thereof for the purpose of shifting the draft animal to one side or the other of the beam; at the same time, the draft upon the beam will not be in a lateral direction as a consequence of such shifting.

Having described my invention what I claim as new and desire to secure by Letters-Patent is:—

1. A clevis support comprising a means for attachment to a beam, a member slidably mounted upon said means and adapted to retain a clevis, and bearing-balls interposed between the bar and the means.

2. A clevis support comprising a bar having a portion of its edge cut away, a member slidably mounted upon said bar and a bolt passing through the member and the space at the cut away portion of the bar.

3. A clevis support comprising a bar, a member slidably mounted on said bar and having means for holding a clevis, bearing-balls interposed between the bar and the member, said bar having a portion of its edge cut away, and a bolt passing through the member and the space at the cut away edge of the bar.

4. A clevis support comprising plates bolted together and having oppositely disposed channels with adjacent edges spaced apart, a bar fitting snugly in said channels and having a reduced portion which fits between the spaced edges and a shield which overlaps the spaced edges, said bar being adapted to slide longitudinally with relation to the plates.

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

WILLIAM UHRMACHER.

Witnesses:
A. W. THOMPSON,
M. BINGHAM.