

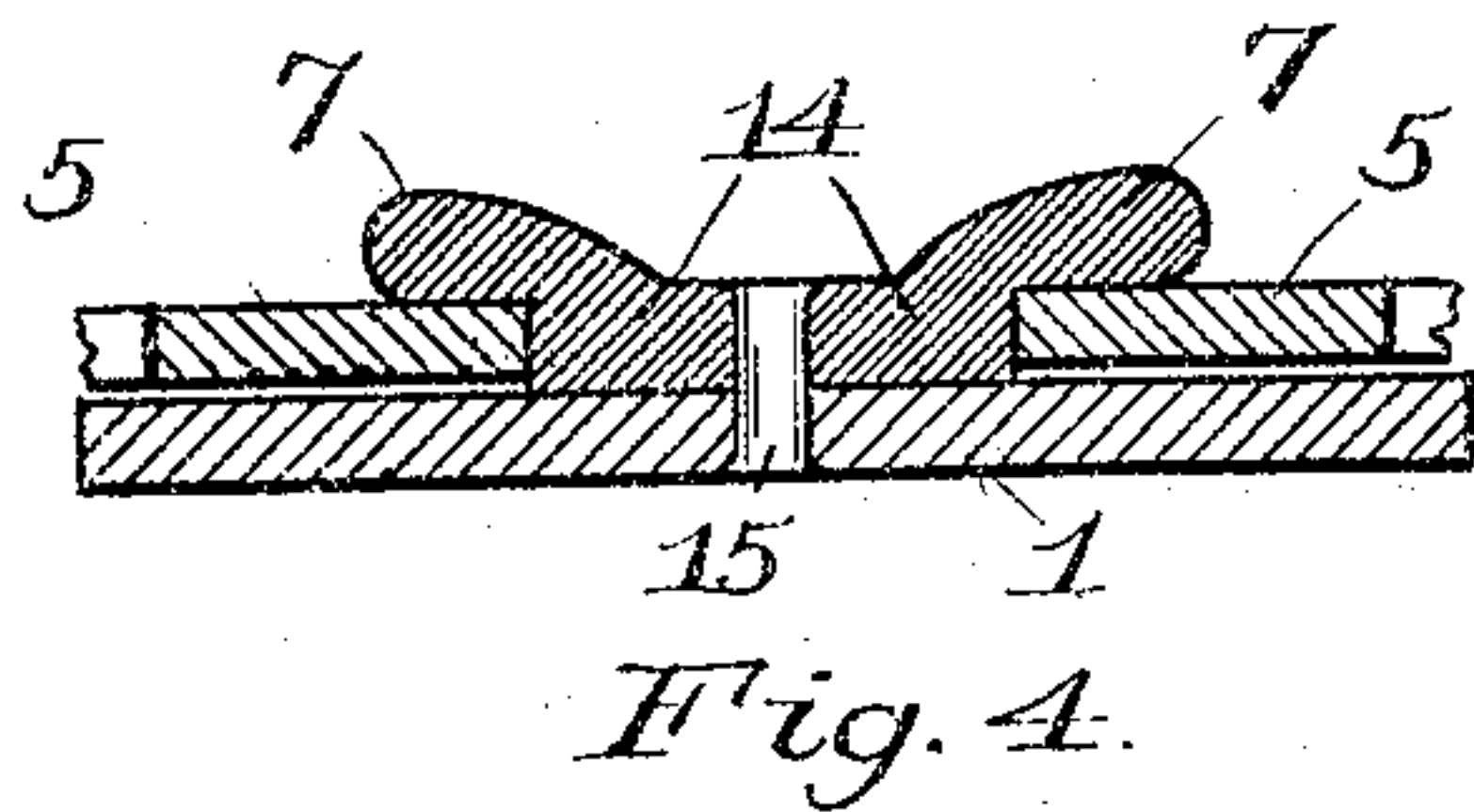
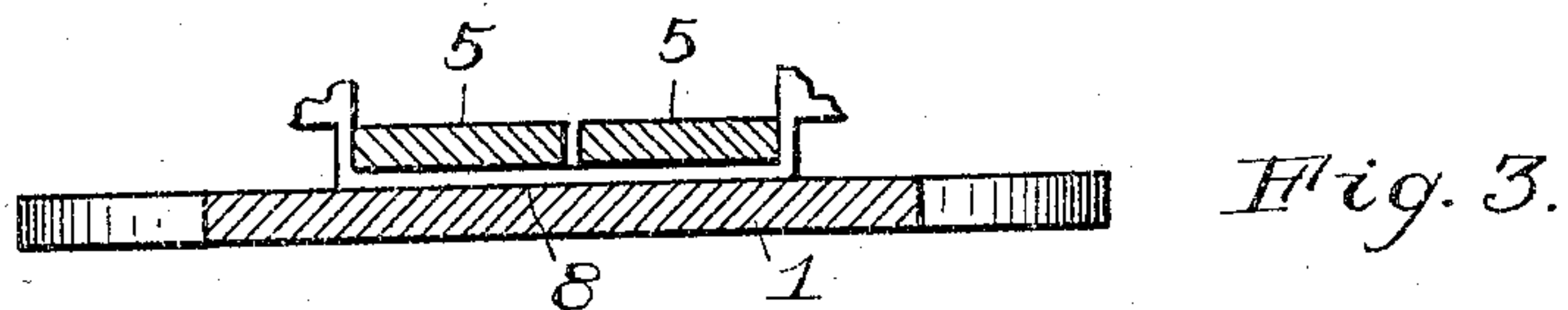
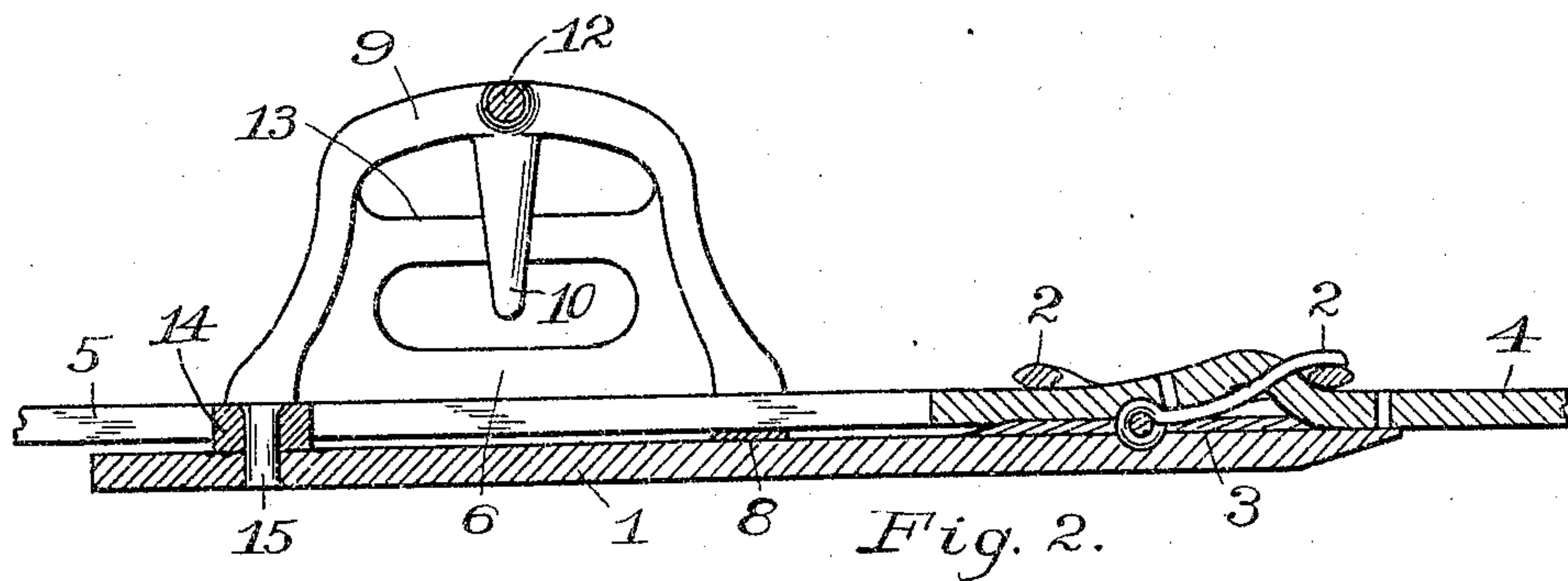
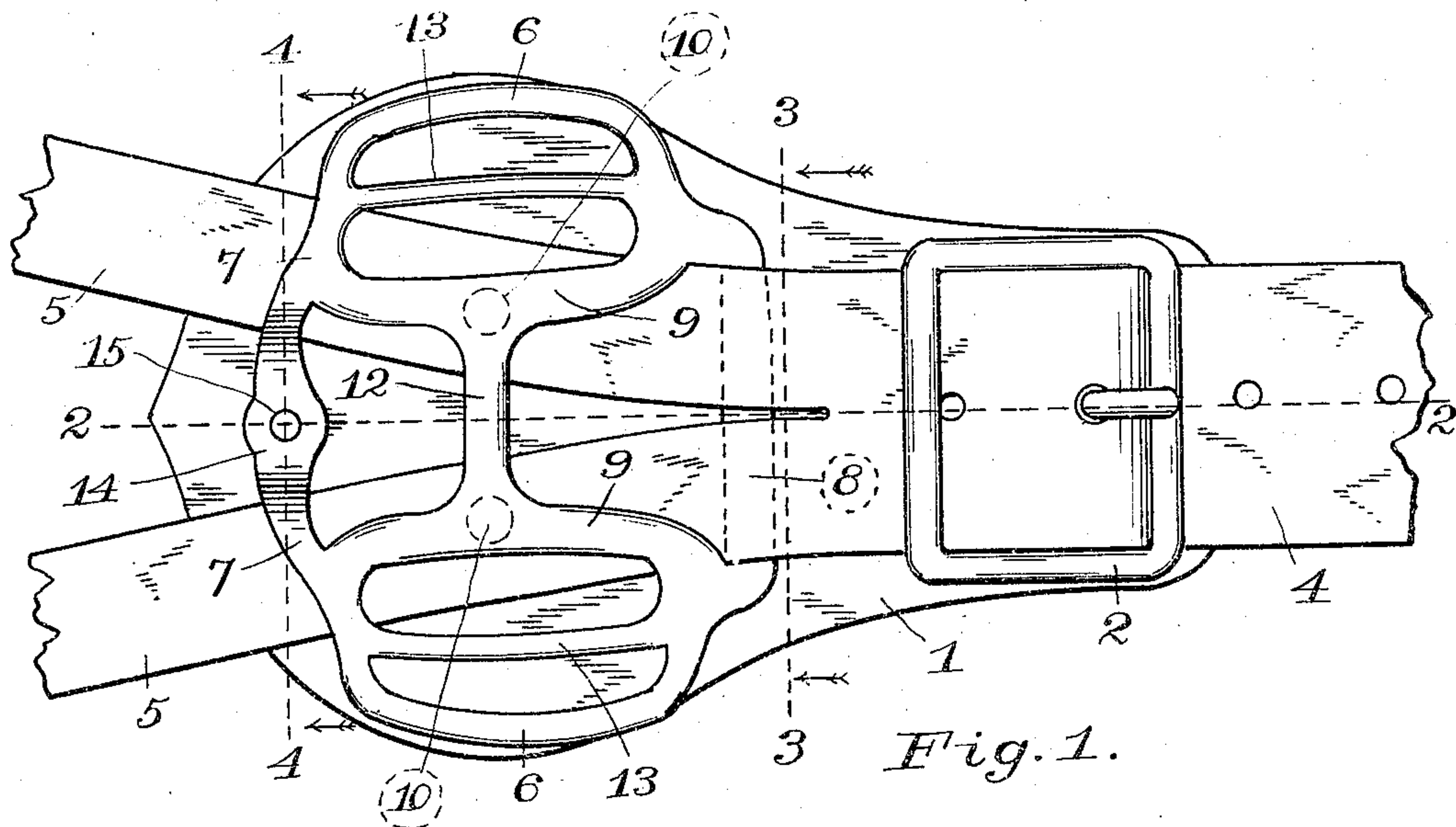
No. 775,400.

PATENTED NOV. 22, 1904.

J. HEBEL.
TRACE CARRIER FOR HARNESS.

APPLICATION FILED OCT. 26, 1903.

NO MODEL.



WITNESSES:

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INVENTOR

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UNITED STATES PATENT OFFICE.

JACOB HEBEL, OF KANSAS CITY, MISSOURI.

TRACE-CARRIER FOR HARNESS.

SPECIFICATION forming part of Letters Patent No. 775,400, dated November 22, 1904.

Application filed October 26, 1903. Serial No. 178,654. (No model.)

To all whom it may concern:

Be it known that I, JACOB HEBEL, a citizen of the United States, residing at Kansas City, in the county of Jackson and State of Missouri, have invented new and useful Improvements in Trace-Carriers for Harness, of which the following is a specification.

My invention relates to improvements in trace-carriers for harness; and the object of my invention is to provide a combined trace-carrier and crupper-strap holder in combination with a back-band the bifurcated portion of which passes through the body of the trace-carrier instead of (as ordinarily) placing the bifurcation of the back-band several inches behind the carrier.

In the accompanying drawings, Figure 1 is a plan view of a trace-carrier constructed according to my invention, showing a portion of the back-band passing therethrough and the pad beneath the same, the hip-straps being omitted. Fig. 2 is a longitudinal section taken on line 2 2 of Fig. 1. Fig. 3 is a transverse section taken on line 3 3 of Fig. 1, the main body of the trace-carrier being broken away. Fig. 4 is a transverse section taken on line 4 4 of Fig. 1.

1 is the back-pad, which is formed substantially pear-shaped and serves to protect the animal's back from the trace-carrier. A buckle 2 is permanently secured thereto by means of a leather strip 3. (See Fig. 2.) Through the buckle 2 passes the back-band 4, which is bifurcated a very short distance behind said buckle, forming the crupper-straps 5 5, broken away, as seen at Fig. 1. Said straps extend rearward, making the crupper complete without buckles, the adjustment of said cruppers being perfected by buckle 2 in front of the trace-carrier. By this means the buckles in the rear of the trace-carrier, usually on cruppers, are dispensed with, thus preventing severe chafing of the animal caused by small buckles.

The body of the trace-carrier is formed of one piece of metal and consists of the following parts, as separately designated by reference characters: two looped portions 6 6,

adapted to support the hip-straps, (not shown,) a rearward transverse portion 7 7, a forward transverse portion 8, two longitudinal arched portions 9 9, provided with depending points 10 10, a central transverse portion 12, connecting the arches 9 9, and two trace-rests 13 13. The portions 7 7 fit snugly upon the crupper-straps 5 5, and between these straps the metal is dropped, as clearly shown at 14 in Fig. 4, so that it rests upon the pad 1 and forms two shoulders that hold the crupper-straps apart at the proper angle. This middle portion 14 of the back of the trace-carrier is secured to the pad by a rivet 15. The forward transverse portion 8 passes between the back-band and the pad, and to avoid forming a hump in said band the metal 8 is made quite thin, as shown in Fig. 3. This portion need not be attached to the pad, as it is held thereon by the pressure of the back-band.

When the traces are detached from the whiffletree of a vehicle, their ends are inserted between the arches 9 and the trace-rests 13 and bent down until their eyes can be pushed up over the points 10. The traces then rest upon the parts 13, which prevent their disengagement from the points 10.

I wish to call attention to the fact that the ordinary back-band is not bifurcated at the point where it passes through a trace-carrier, whereas with my trace-carrier the back-band must be bifurcated at a point somewhere forward of the carrier, substantially as shown.

Having now fully described my invention, what I claim as new, and desire to secure by Letters Patent of the United States, is—

1. The combination of a back-pad, a trace-carrier having a depressed rearward portion which is riveted to said pad, and having two lateral portions 7, in combination with a back-strap which is bifurcated in proximity to the front portion of the carrier, the two branches of said strap passing over the front portion 8 of the carrier, under the rearward lateral portions, and in contact with the depressed portion thereof, substantially as described.

2. The combination of a back-pad, a buckle connected to the forward portion of said pad,

a back-strap which passes through said buckle and is bifurcated immediately behind said buckle, and a trace-carrier the forward portion of which lies between the pad and the
5 back-band, said carrier having a depressed rearward portion 14, which is riveted to the pad, the branches of the back-band lying directly upon the pad and in contact with said

portion 14 of the carrier, substantially as described. 10

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

JACOB HEBEL.

Witnesses:

O. M. VAN DORSTON,
M. L. LANGE.