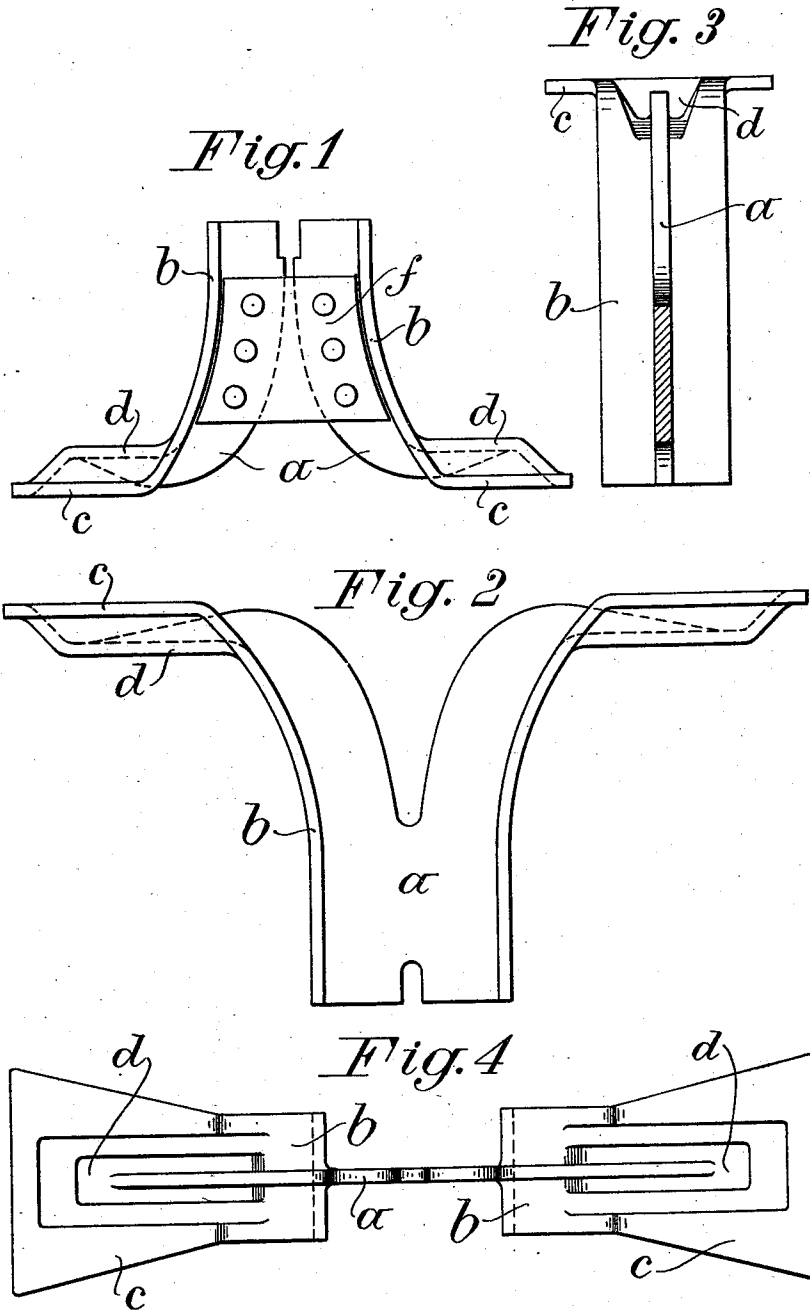


F. ROHRBECK.
BEARING SUPPORT OR BRACKET.
APPLICATION FILED JAN. 13, 1911.

1,001,167.

Patented Aug. 22, 1911.



Witnesses.
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UNITED STATES PATENT OFFICE.

FRITZ ROHRBECK, OF ST. VEIT-ON-THE-TRIESTING, AUSTRIA-HUNGARY.

BEARING SUPPORT OR BRACKET.

1,001,167.

Specification of Letters Patent. Patented Aug. 22, 1911.

Application filed January 13, 1911. Serial No. 602,483.

To all whom it may concern:

Be it known that I, FRITZ ROHRBECK, a subject of the Emperor of Austria-Hungary, residing at St. Veit-on-the-Triesting, in Austria-Hungary, have invented certain new and useful Improvements in Bearing Supports or Brackets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to bearing supports or brackets formed of T or I iron.

It has heretofore been proposed to make supports or brackets for upright, hanging or wall bearings, from I iron by cutting a slot in the web of a length of such I iron from each end thereof and then bending the web outwardly from the slots, the feet being then formed by cutting away the ends of the web on the spread-out legs and pressing flat the projecting flanges of the end portions of such legs. Supports or brackets made in this way however are very liable to break at the points of junction between the legs and foot portions proper, which are also the points of maximum bending, owing to the great weakening of the structure that occurs at this point.

The object of the present invention is to manufacture bearing supports or brackets of this kind in such manner as to overcome the objection stated and insure the same strength at the point of junction between leg and foot proper as that of the splayed out legs themselves.

The improved method of manufacture consists in first forcing the web portions of the legs into the middle of the ends of the flanges that form the feet by stamping, pressing or the like, the said ends of the flanges being widened out at the same time and then outwardly pressing the middle portions of the widened-out ends of the flanges in the form of hollow ribs. In this way there are formed at the point of junction between leg and foot in addition to the central rib formed by the web portion and projecting at the base of the foot, two ribs connected together and projecting on the outside of the foot which ribs inclose between them the middle rib that gradually

merges into the foot, so that approximately equal conditions of strength obtain in the successive transverse sections of the leg and foot.

Figure 1 of the accompanying drawing shows an example of a support or bracket according to this invention for an upright bearing, formed of two lengths of T iron. Fig. 2 is a side elevation, Fig. 3 a central vertical section and Fig. 4 an inverted plan illustrating the foot portion of a support or bracket for a hanging bearing according to this invention.

As shown in Fig. 1 the support or bracket for an upright bearing is formed of two separate lengths of T iron connected together by one or two fish plates *f*. Each length is bent outwardly and the web *a* of such outwardly bent part is forced into the foot portion *c* which is formed from the flange *b* at such part. At this foot part the flange *b* is formed with an upwardly pressed middle portion or hollow rib *d* the two side walls of which inclose the web *a* at the point of junction between the leg and foot. The same method of forming the feet can also be employed when, as shown in Figs. 2, 3 and 4, a support or bracket for a hanging bearing is formed of a length of I iron by cutting a slot in it and then bending outwardly each half of the length of I iron as shown. In a similar manner to that followed in the case of the vertical or base bracket a part of the web *a* is driven into the foot proper *c* formed from the end of the flange *b* which is itself formed with a portion *d* pressed out to form a hollow rib the opposite side walls of which embrace the web *a* at the point of junction of the leg and foot.

Claims.

1. A step in the method of forming brackets which comprises bending a bar T-shaped in section, and pressing a portion of the web of the bar into the flange of the bent portion.
2. A step in the method of forming brackets which comprises bending a bar T-shaped in section, pressing a portion of the web of the bar into the flange of the bent portion and simultaneously spreading the pressed web and flange of the bent portion.
3. A step in the method of forming brackets which comprises pressing a portion of the web of a bar T-shaped in section into the flange, and pressing up the middle of the pressed portion to form a central longitudinal hollow rib.

4. A step in the method of forming brackets which comprises bending a bar T-shaped in section, pressing a portion of the web of the bar into the flange, and pressing up the
5 middle of the pressed portion to form a central longitudinal hollow rib.

5. A step in the method of forming brackets which comprises bending a bar T-shaped in section, pressing a portion of the web of
10 the bar into the flange of the bent portion, and simultaneously spreading the pressed

web and flange and pressing the middle of the spread portion up to form a central longitudinal hollow rib.

In testimony that I claim the foregoing as
15 my invention, I have signed my name in presence of two subscribing witnesses.

FRITZ ROHRBECK.

Witnesses:

JOSEF RUBARCH,
AUGUST FUGGER.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
