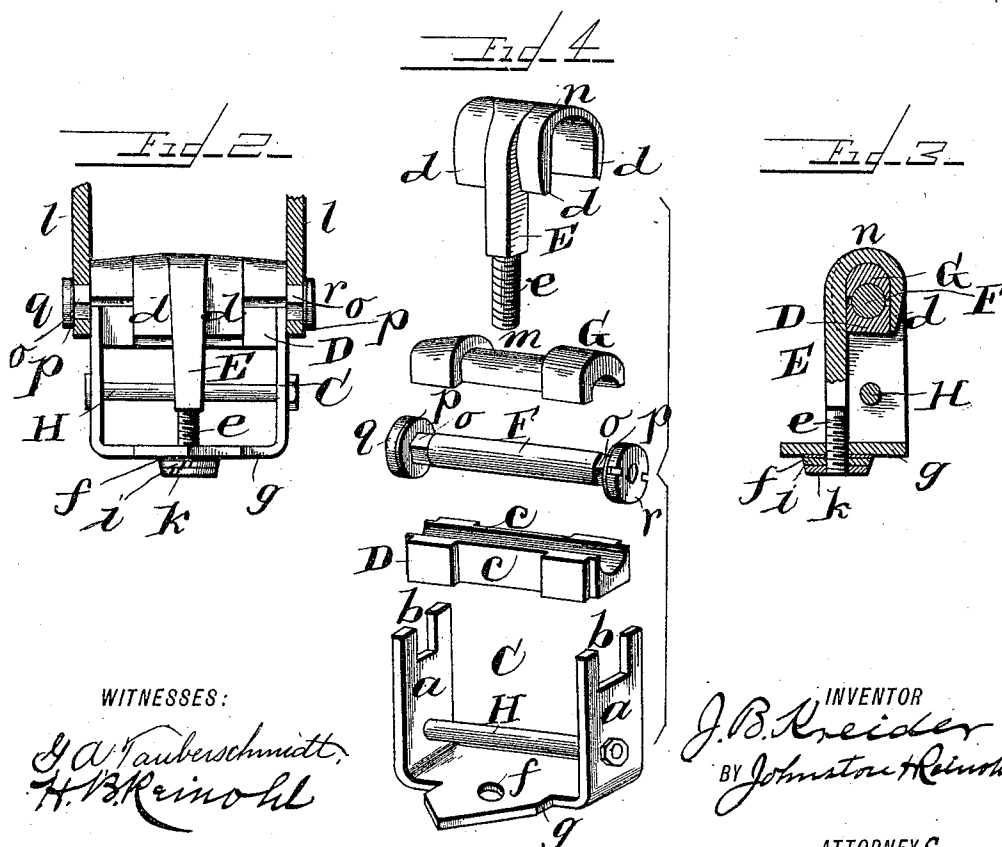
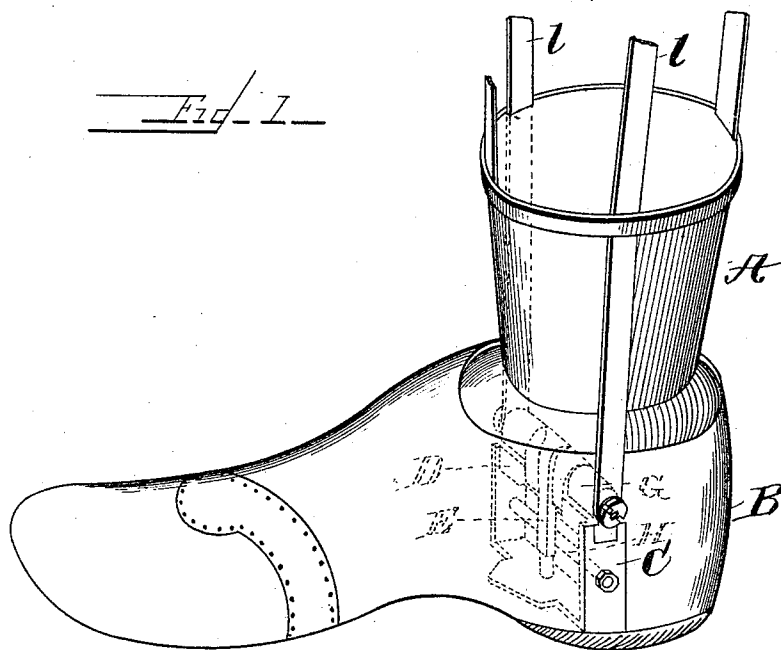


(No Model.)

J. B. KREIDER.
ARTIFICIAL LEG.

No. 464,722.

Patented Dec. 8. 1891.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JACOB B. KREIDER, OF ANNVILLE, PENNSYLVANIA.

ARTIFICIAL LEG.

SPECIFICATION forming part of Letters Patent No. 464,722, dated December 8, 1891.

Application filed October 27, 1891. Serial No. 409,995. (No model.)

To all whom it may concern:

Be it known that I, JACOB B. KREIDER, a citizen of the United States, residing at Annville, in the county of Lebanon and State of Pennsylvania, have invented certain new and useful Improvements in Artificial Legs; 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.

My invention relates to artificial legs, and has special reference to means for connecting the foot-section to the ankle-section.

The invention will be fully disclosed in the following specification and claims.

In the accompanying drawings, which form part of this specification, Figure 1 represents a perspective of the ankle and foot sections of an artificial leg provided with my improvement, which is shown in dotted lines; Fig. 2, a front view of the stirrup and the journal; Fig. 3, a transverse section, and Fig. 4 a detail perspective.

Reference being had to the drawings and the letters thereon, A indicates the ankle-section, and B the foot-section, which may be of any approved form.

C is a stirrup, in the sides *a* of which and at the upper ends thereof are recesses *b b* to receive the ends of a journal-bearing D, in the sides of which are rabbets *c c* to receive the sides *d d* of an adjusting-bolt E, the lower end of which is provided with a screw-threaded portion *e*, which extends through the aperture *f* in the transverse bar *g* of the stirrup, and is provided with a washer *h*, a nut *i*, and a lock-nut *k*.

F indicates a bolt which passes through the side bars *l l* and forms the joint upon which the foot-section B moves and rests in the journal-bearing D. This bearing is provided with a separate and adjustable cover G, which is provided with a rabbet *m* to receive the upper

end *n* of the adjusting-bolt E, which, with the rabbet *c c* in the journal-bearing, prevents any lateral movement of the adjusting-bolt. The bolt F is made angular at *o* to engage the ends of the bars *l l* and the bolt turning on its axis. Washers *p* are inserted between the head *q* of the bolt F and its nut *r* and the side bars *l l*, which are preferably made of brass or analogous soft metal.

H indicates a bolt which crosses the stirrup and stiffens the sides thereof.

The journal-bearing and its cover are preferably made of aluminum; but other suitable metal commonly used for such purposes may be substituted.

Having thus fully described my invention, what I claim is—

1. In an artificial leg, means for connecting the foot-section to the ankle-section, consisting of a stirrup having a transverse journal-bearing at its upper end, a cover for said bearing, and a device for adjusting the cover to compensate wear.

2. In an artificial leg, a stirrup for connecting the foot-section to the ankle-section, recesses in the ends of the stirrup, a journal-bearing supported in said recesses, a bolt supported in said bearing, a separate cover for the bearing, and a bolt engaging the cover and extending through the transverse bar of the stirrup.

3. In an artificial leg, a stirrup, a journal-bearing supported in said stirrup, a separate and adjustable cover for said bearing, rabbets in the bearing and cover, and a bolt having a bent end provided with laterally-extending sides which engage said rabbets, all combined substantially as described.

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

JACOB B. KREIDER.

Witnesses:

D. C. REINOHL,

H. B. REINOHL.