

C. W. RAGSDALE.
SHOEMAKER'S JACK.
APPLICATION FILED NOV. 15, 1910.

991,456.

Patented May 2, 1911.

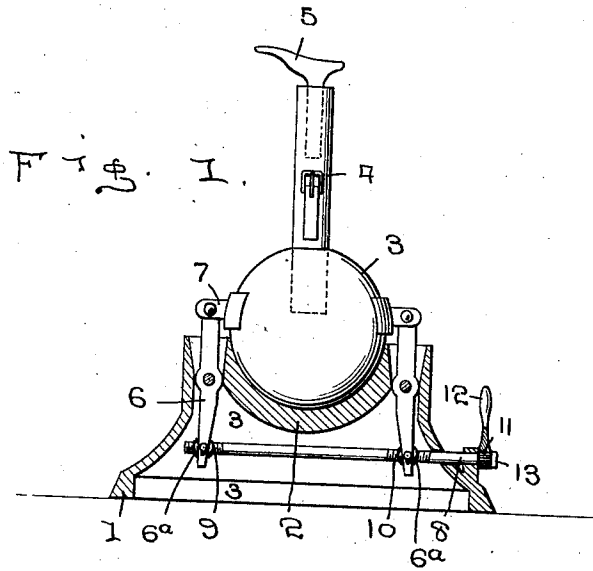
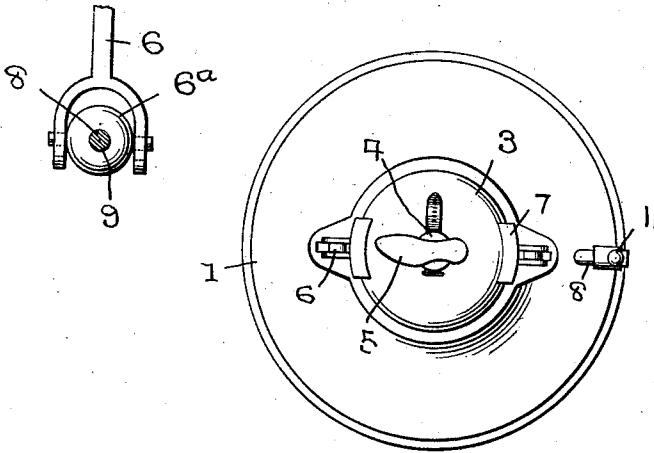


Fig. 3. Fig. 2.



WITNESSES:

Thomas Riley
M. Newcomb,

INVENTOR
C. W. Ragdale
BY
W. J. Fitzgerald & Co.
Attorneys

UNITED STATES PATENT OFFICE.

CHARLES W. RAGSDALE, OF GLENWOOD SPRINGS, COLORADO, ASSIGNOR OF SEVEN-SIXTEENTHS TO J. M. MCCARTHY, OF GLENWOOD SPRINGS, COLORADO.

SHOEMAKER'S JACK.

991,456.

Specification of Letters Patent.

Patented May 2, 1911.

Application filed November 15, 1910. Serial No. 592,562.

To all whom it may concern:

Be it known that I, CHARLES W. RAGSDALE, a citizen of the United States, residing at Glenwood Springs, in the county of Garfield and State of Colorado, have invented certain new and useful Improvements in Shoemakers' Jacks; 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.

This invention relates to certain new and useful improvements in shoemakers' jacks, the object being to provide a jack which is so constructed that the last carried thereby can be swung in any position desired.

Another object of my invention is to provide a jack with a socket in which is mounted a ball carrying a standard in which the last is mounted, said ball being locked in its adjusted position within the socket by shoes which can be easily and quickly locked against the periphery of the ball or removed therefrom in order to allow the ball to be moved within the socket and locked.

Another object of my invention is to provide a shoemaker's jack which is exceedingly simple and cheap in construction, and one in which the parts are so mounted and connected together that an exceedingly strong and durable jack is formed.

With these objects in view, the invention consists in the novel features of construction, combination and arrangement of parts, hereinafter fully described and pointed out in the claims.

In the drawing forming a part of this specification, Figure 1 is a vertical section through my improved jack. Fig. 2 is a top plan view, and, Fig. 3 is a detail view of one of the levers and the shaft extending therethrough.

In carrying out my improved invention, I employ a circular base, in which is arranged a central socket 2 adapted to receive a ball 3 carrying a post 4 which is provided with a socket to receive the last 5, and said last is also provided with a buckle and strap for locking the shoe on the last in the ordinary manner.

Pivotally mounted within the base 1 to each side of the socket 2 is a lever 6, on the upper ends of which are pivotally mounted brake shoes 7 adapted to co-act with the pe-

riphery of the ball 3, as will be later described. Mounted in suitable bearings formed in the base 1 is a shaft 8 which is provided with threaded portions 9 and 10, one portion having a right hand thread and the other a left hand thread, and the lower ends of the respective levers 6 are provided with pivoted nuts 6^a through which are bores having corresponding threads, whereby the levers will be swung on their pivots when the shaft is rotated in order to throw the brake shoes 7 into and out of engagement with the ball 3 in order to lock and release the ball.

The outer end of the shaft 8 is ribbed and is provided with a collar 11, against which a handle 12 is adapted to be clamped by a nut 13 which is mounted on the threaded extreme end of the shaft 8, and said handle is also corrugated so that the same will be locked in its adjusted position on the shaft, whereby the wear of the brake shoes can be taken up by adjusting the handle.

From the foregoing description, it will be seen that I have provided a jack in which the last is so mounted that the same can be swung into any angle desired in order to throw the same into such a position that the shoe secured thereon can be readily operated by the shoemaker.

What I claim is:

1. A jack, comprising a base provided with a socket, a ball mounted in said socket carrying a standard, levers arranged to each side of said ball, brake shoes carried by said levers, and means for operating said levers simultaneously.

2. A jack, comprising a base provided with a socket, a ball mounted in said socket carrying a standard, a last mounted in said standard, levers mounted in said base to each side of said ball, brake shoes pivotally carried by the upper ends of said levers, and a handle operated shaft for operating said levers.

3. A jack, comprising a base having a central socket, a ball mounted in said socket carrying a standard, pivoted levers mounted to each side of said ball, pivoted nuts carried by said levers, said nuts having threaded bores, said threads being turned right and left hand, respectively, brake shoes pivotally carried by the ends of said levers co-acting with said ball, a shaft provided with right

and left hand threaded portions extending through the bores of said nuts, and a handle adjustably mounted on said shaft.

4. A jack, comprising a base having a
5 central socket, a ball mounted in said socket carrying a standard, levers pivotally mounted within said base on opposite sides of said socket, brake shoes pivotally secured to the upper ends of said levers and adapted
10 to engage said ball, and a shaft extending through said base having threaded engage-

ment with the lower ends of said levers to operate the latter and the corresponding brake shoes simultaneously.

In testimony whereof I have signed my
15 name to this specification in the presence of two subscribing witnesses.

CHARLES W. RAGSDALE.

Witnesses:

H. R. LOGAN,
H. V. HIGH.

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