

A. S. Wilkinson,

Horseshoe.

N^o 56,134.

Patented July 3, 1866.

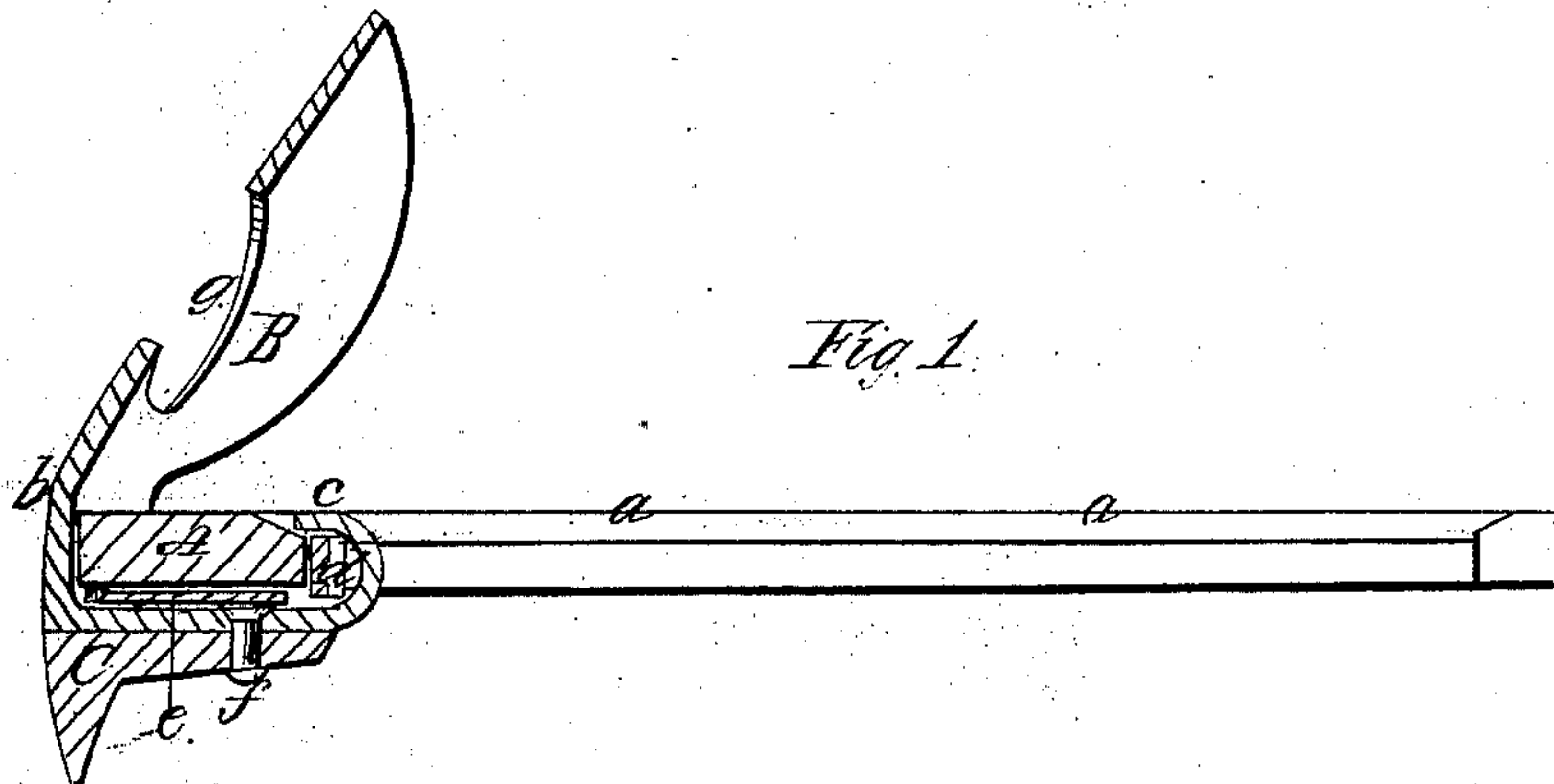


Fig. 1.

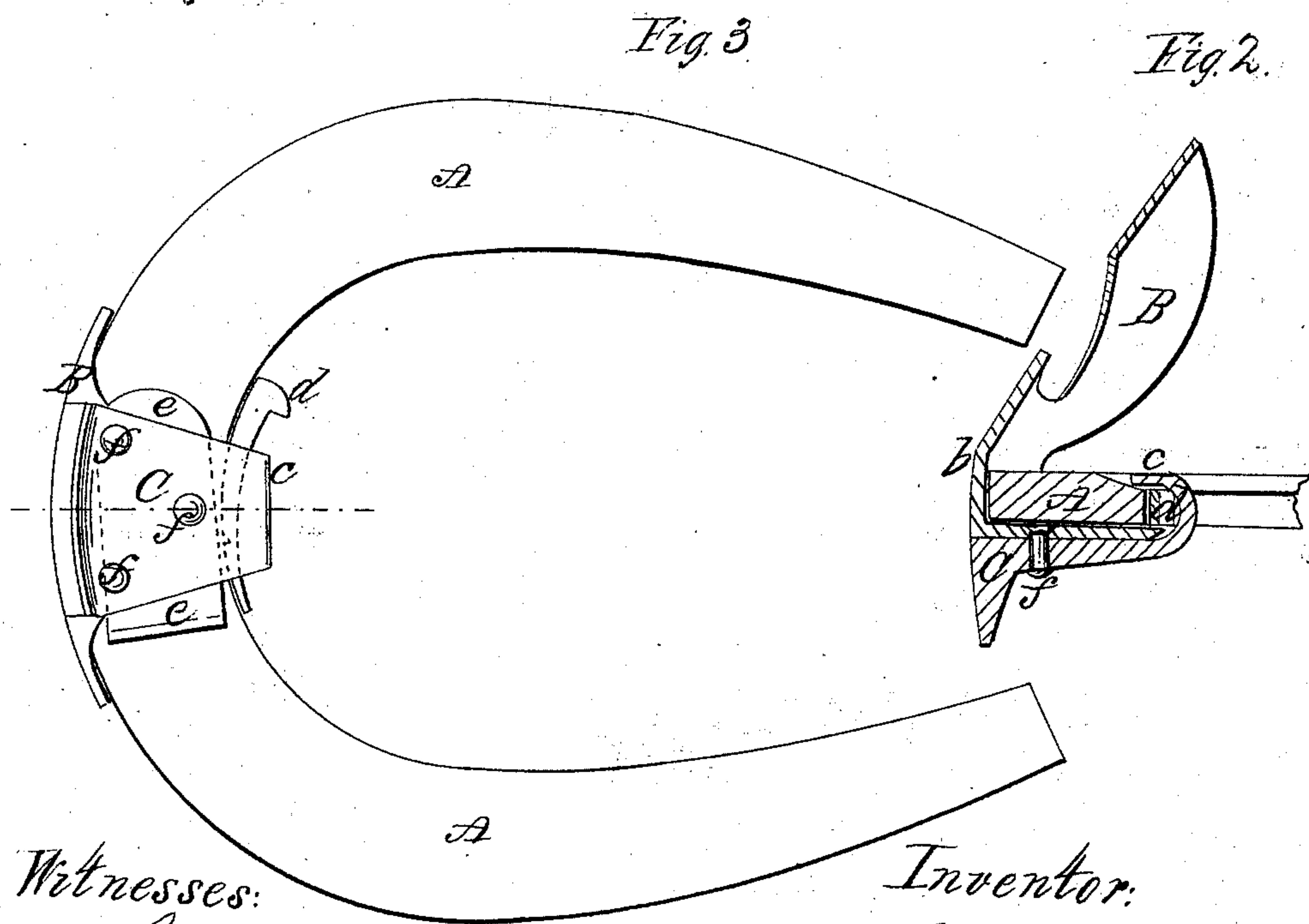


Fig. 3.

Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

ALBERT S. WILKINSON, OF PAWTUCKET, RHODE ISLAND.

IMPROVEMENT IN HORSESHOES.

Specification forming part of Letters Patent No. 56,134, dated July 3, 1866.

To all whom it may concern:

Be it known that I, ALBERT S. WILKINSON, of Pawtucket, Providence county, State of Rhode Island, have invented a new and Improved Adjustable Calk and Toe-Clip for Horseshoes, &c.; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical longitudinal section of my improvements, and Fig. 2 is a like view of a modification thereof. Fig. 3 is a bottom view of a shoe having my improved calk applied thereto.

Similar letters of reference in the different figures indicate corresponding parts.

This invention relates to an improved method for securing toe-calks to shoes for horses and other animals, and also of an improved method of securing the toe-clip of the shoe in connection with the said calk.

The invention consists in constructing the calk and clip in separate pieces and separate from the bar of the shoe, in such manner that when the calk and clip are riveted together they are attached to the shoe, and may be adjusted or removed from a shoe at any time while the shoe is secured to the foot of the animal, as hereinafter fully set forth.

A in the drawings is the bar of the shoe, and B is the toe-clip. C is the toe-calk, and *d* and *e* are keys by which the calk is keyed up snug in place.

The calk and toe-clip C B, Fig. 1, are made as shown, the clip B having a hook, *c*, which hooks on over the rear edge of the bar A. In placing them upon the shoe they are first riveted together by rivets *f*, and the calk and clip are then slipped onto the bar of the shoe at the heel, and pushed around to the front or toe, and are then secured in position by the

keys or wedges *e d*. The parts are thus readily applied or removed while the shoe A is fastened to the foot.

Fig. 2 shows a modification of Fig. 1, and in which the hook *c* belongs to and is a portion of the calk C, instead of being formed on the clip B. This modification gives an important advantage, as it can be adjusted to shoes having fixed heel-calks, while Fig. 1 cannot, as in slipping it along the bar of the shoe it would be obstructed by said fixed heel-calks.

In adjusting the calk shown in Fig. 2 the clip B is placed in position, it holding the rivets with their heads against the lower side of A, and their points downward, and then C is placed in position, as shown, and the whole secured by upsetting the lower end of the rivet *f*. This riveting is readily done while the shoe is fastened to the foot. The keys may then be driven in as before, if required.

The toe-clip B, Fig. 1, has an opening, *g*, cut in its front. This gives lightness, and also gives a better chance to get at the work in riveting calks to the bar A when the toe-clip is a part of A.

The parts are readily removed for repairs when the calk becomes worn, or for other purposes.

In removing the calks shown in Fig. 2 the rivet-heads are first cut off with the cold-chisel, and the parts are then free to be removed.

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

The clip B, in combination with the bar A, calk C, rivets *f f*, and keys *e d*, the whole being constructed and operated substantially in the manner and for the purpose set forth.

ALBERT S. WILKINSON.

Witnesses:

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