

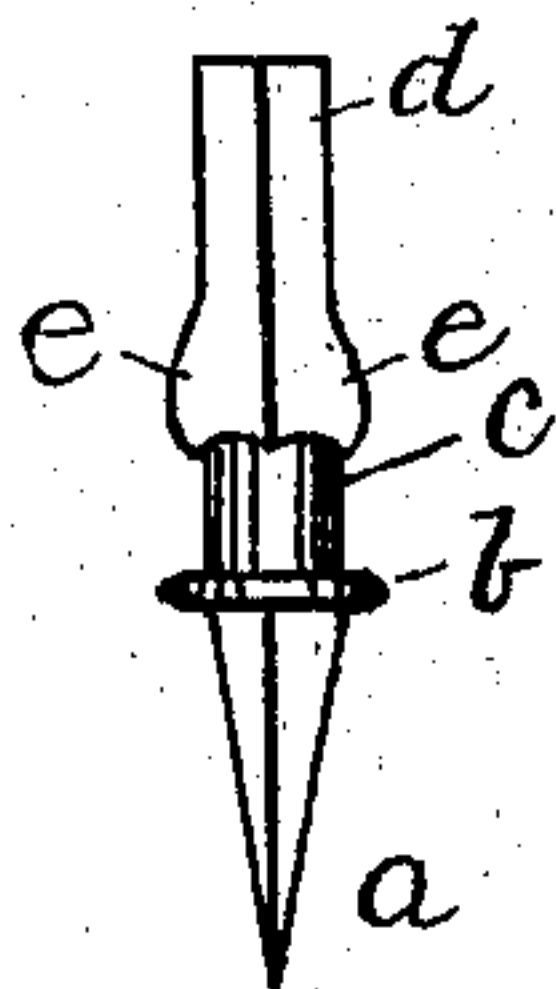
(No Model.)

G. H. HATHORN.

DRIVING CALK.

No. 295,493.

Patented Mar. 18, 1884.



*Witness*

*Inventor*

*George H. Hathorn*

*John B. B. Fiske*  
*Otto F. Soumge*

*Per* *Franklin L. Loring* *Atty*

# UNITED STATES PATENT OFFICE.

GEORGE H. HATHORN, OF CHESTER, MAINE.

## DRIVING-CALK.

SPECIFICATION forming part of Letters Patent No. 295,492, dated March 18, 1884.

Application filed January 8, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE H. HATHORN, of Chester, in the county of Penobscot and State of Maine, have invented certain new and  
5 useful Improvements in Driving-Calks; and I do hereby declare that the following is a full, clear, and exact description of the invention, that will enable others skilled in the art to which it appertains to make and use the same,  
10 reference being had to the accompanying drawing, forming a part of this specification, in which the figure shows a perspective of my invention.

My invention consists of an improved driving-calk, designed to be readily inserted and  
15 firmly held in the boot or shoe, and at the same time be capable of easy removal when desired. It will be readily understood by reference to the accompanying drawing, in which a perspective view of it is shown.

At *a* is shown the point, angular in cross-section. *b* shows a shoulder resting on the boot, and serving not only to keep the calk from being driven too far in but also to keep  
25 the strain from the calk itself. At *c* is a rounded shoulder, while the remainder of the

calk, *d*, is square and provided with the bulging sides *e*, which insure its retention in the boot or shoe.

To insert the calk, a hole is made in the sole or heel and the calk driven into place,  
30 where it is firmly held. To remove it, a slight twisting motion is first used, the sharp edges reaming out the hole in the leather and allowing the calk to be drawn like an ordinary nail.

Instead of making the point *a* square, the shoulder *b* may be made square, if preferred.

What I claim as my invention is—

The improved driving-calk herein described, provided with the point *a*, angular in cross-  
40 section, the shoulder *b*, for resting on the boot-bottom, the round shoulder *c*, entering the leather of said bottom, and the bulging portion *e*, having an angular cross-section, substantially as herein set forth and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 24th day of December, 1883.

GEORGE H. HATHORN.

Witnesses:

C. C. ALLEN,  
H. E. WEBBER.