

(No Model.)

J. NEUSS, Sr.
REMOVABLE CALK FOR HORSESHOES.

No. 410,008.

Patented Aug. 27, 1889.

Fig. 1.

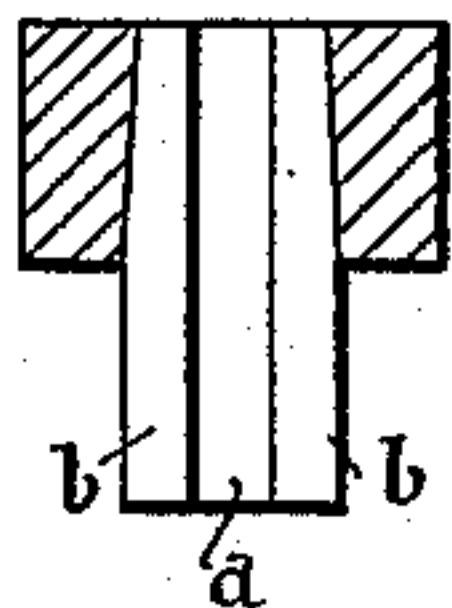


Fig. 2.

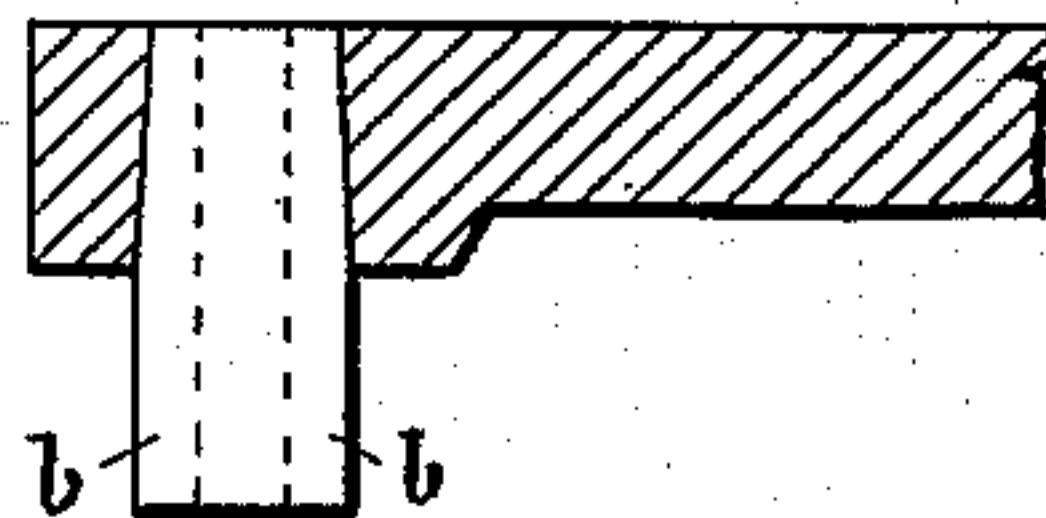


Fig. 3.

Fig. 4.

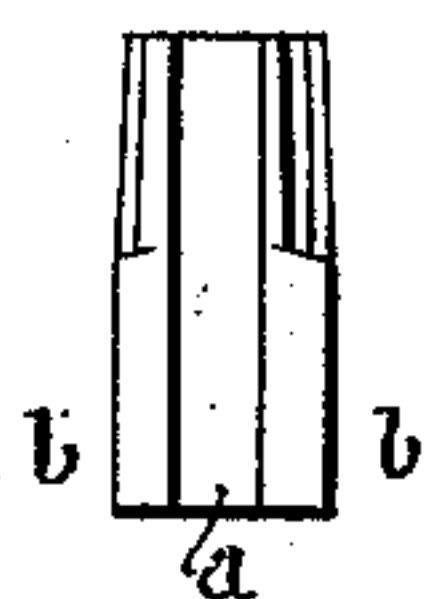


Fig. 6.

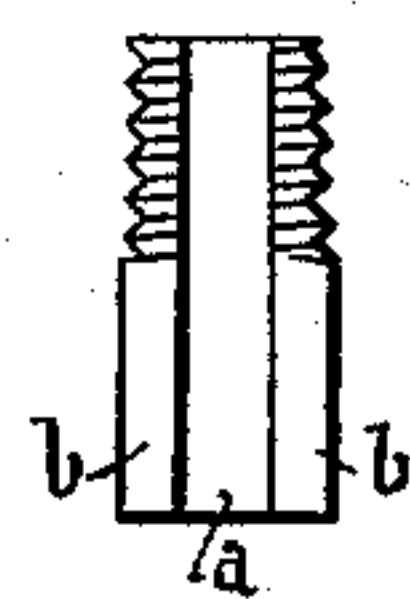


Fig. 5.

Attests

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UNITED STATES PATENT OFFICE.

JOSEPH NEUSS, SR., OF BERLIN, GERMANY.

REMOVABLE CALK FOR HORSESHOES.

SPECIFICATION forming part of Letters Patent No. 410,008, dated August 27, 1889.

Application filed January 23, 1889. Serial No. 297,259. (No model.) Patented in Germany March 23, 1886, No. 37,400; in France June 4, 1886, No. 176,551; in England June 18, 1886, No. 8,133, and in Belgium July 19, 1886, No. 73,897.

To all whom it may concern:

Be it known that I, JOSEPH NEUSS, Sr., a subject of the King of Prussia, residing at Berlin, Kingdom of Prussia, Germany, have invented new and useful Improvements in Removable Calks for Horseshoes, (for which I have obtained Letters Patent in Germany, No. 37,400, dated March 23, 1886; in France, No. 176,551, dated June 4, 1886; in England, No. 8,133, dated June 18, 1886, and in Belgium, No. 73,897, dated July 19, 1886,) whereof the following is a specification.

My invention relates to removable calks for horseshoes, adapted to be inserted with their upper end, which is tapering, into holes of the horseshoes; and the object of the invention is to so construct the said calks that they will hold more firmly in the said holes. For this purpose I provide the calks on each of two opposite sides with a groove extending from end to end and having such width as to leave narrow ledges or projecting portions on either side of the same.

On the annexed sheet of drawings are represented different kinds of calks constructed according to my invention.

Figures 1 and 2 are two sectional side views, taken at a right angle to each other, of a portion of a horseshoe and of a calk the tapered upper end whereof is square. Fig. 3 is a top

view of the calk. Figs. 4 and 5 show a calk with round upper end. These calks, after having been slipped with their tapered end into a hole of the horseshoe, are retained therein by friction. Fig. 6 represents a calk whose tapered and round end is screw-threaded, and which, therefore, has to be screwed into a hole having corresponding threads.

The said calks are provided on two opposite sides with the grooves *a*, whereby the ledges or projecting portions *b* are formed on the body of the calks. By means of these ledges or projections the calks adjust themselves more closely to the inner faces of the holes serving for their reception, so that they are less apt to become loose than otherwise.

I claim as my invention—

A removable calk for horseshoes, having a tapered upper end and provided on two opposite sides with grooves *a*, extending from end to end of the calk, substantially as and for the purpose specified.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

JOSEPH NEUSS, SENIOR.

Witnesses:

HENRY SPRINGMANN,
B. ROl.