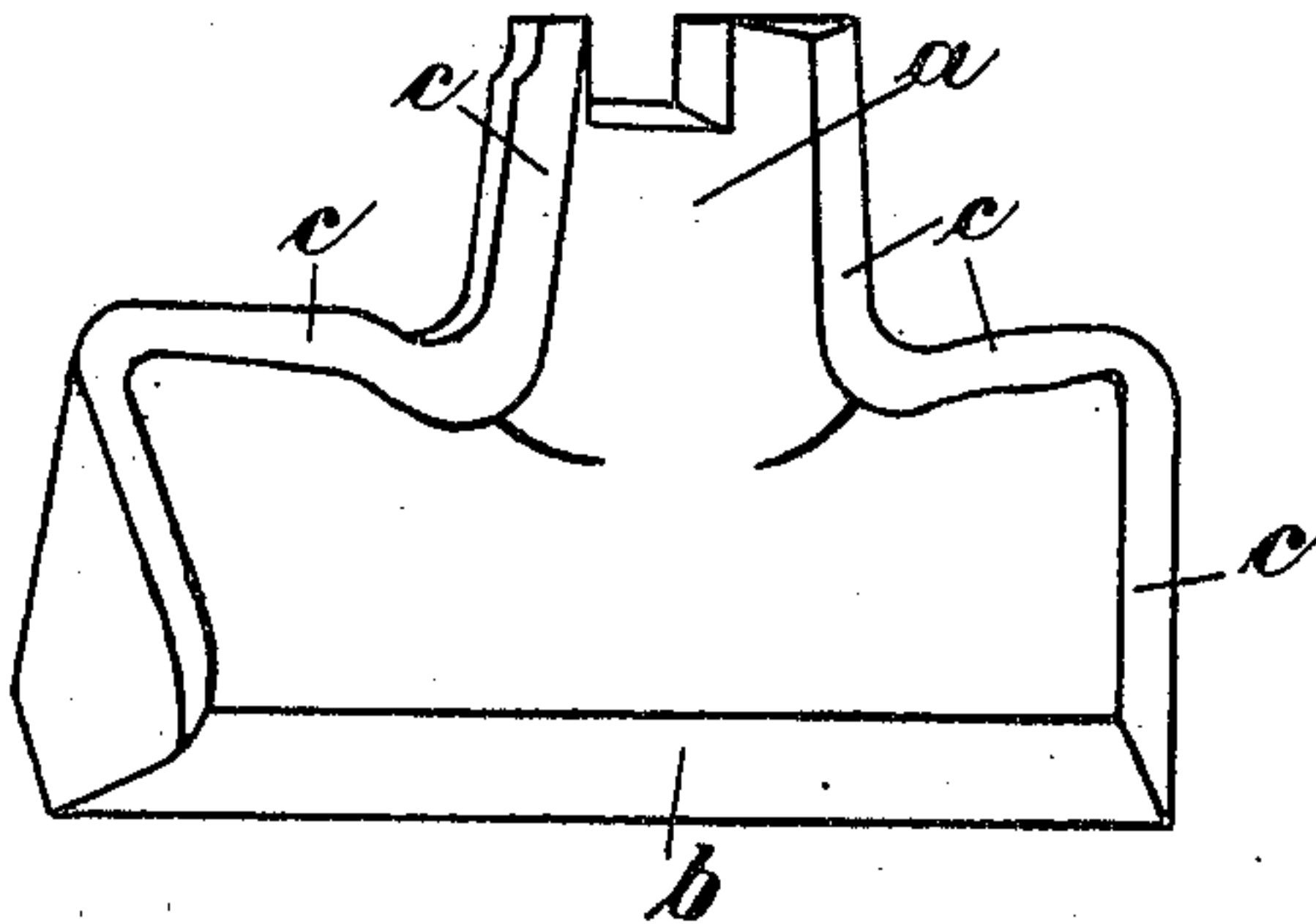


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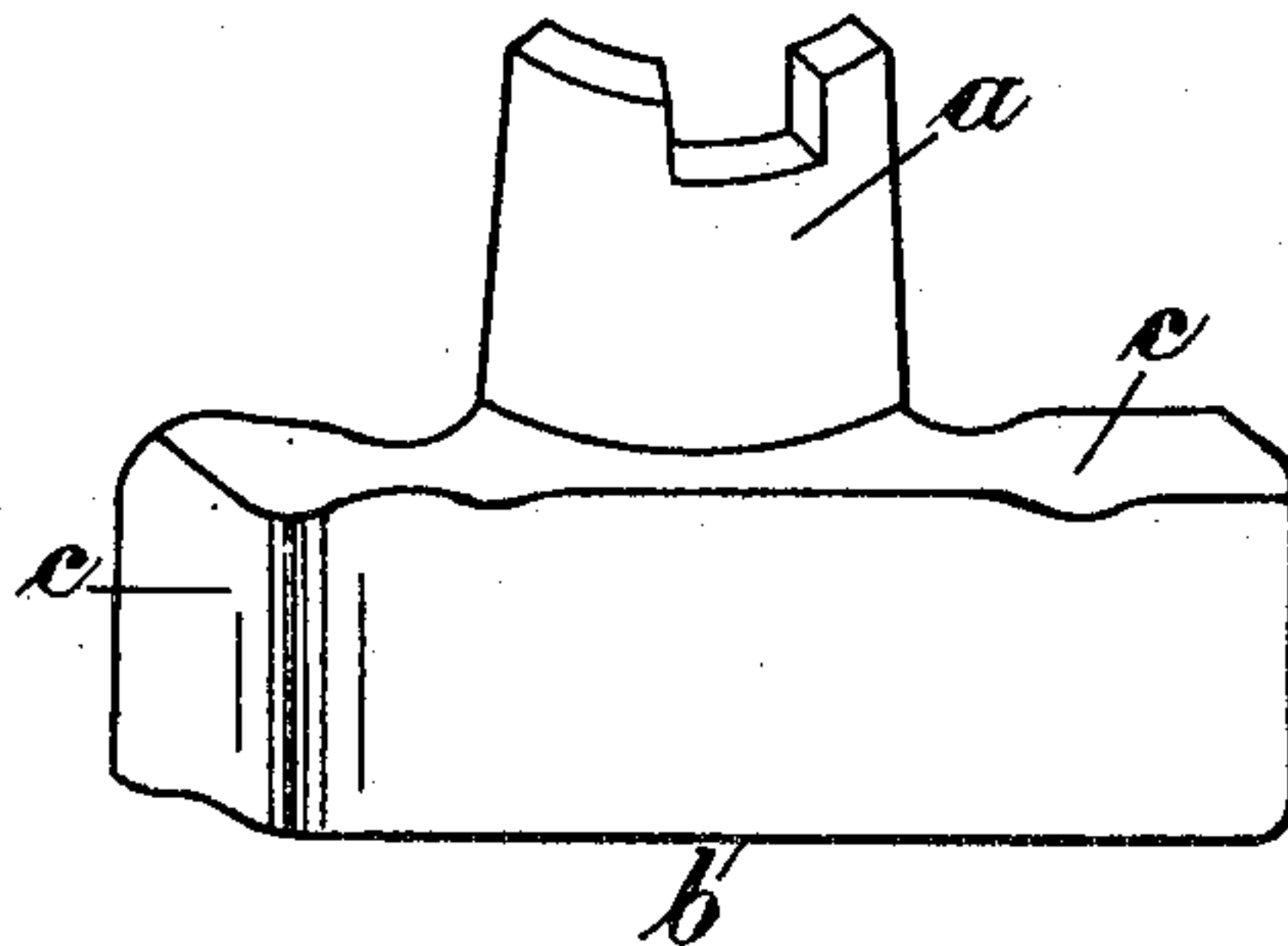
PATENTED DEC. 4, 1906.

H. MÜLLER.  
HORSESHOE CALK.  
APPLICATION FILED DEC. 7, 1905.

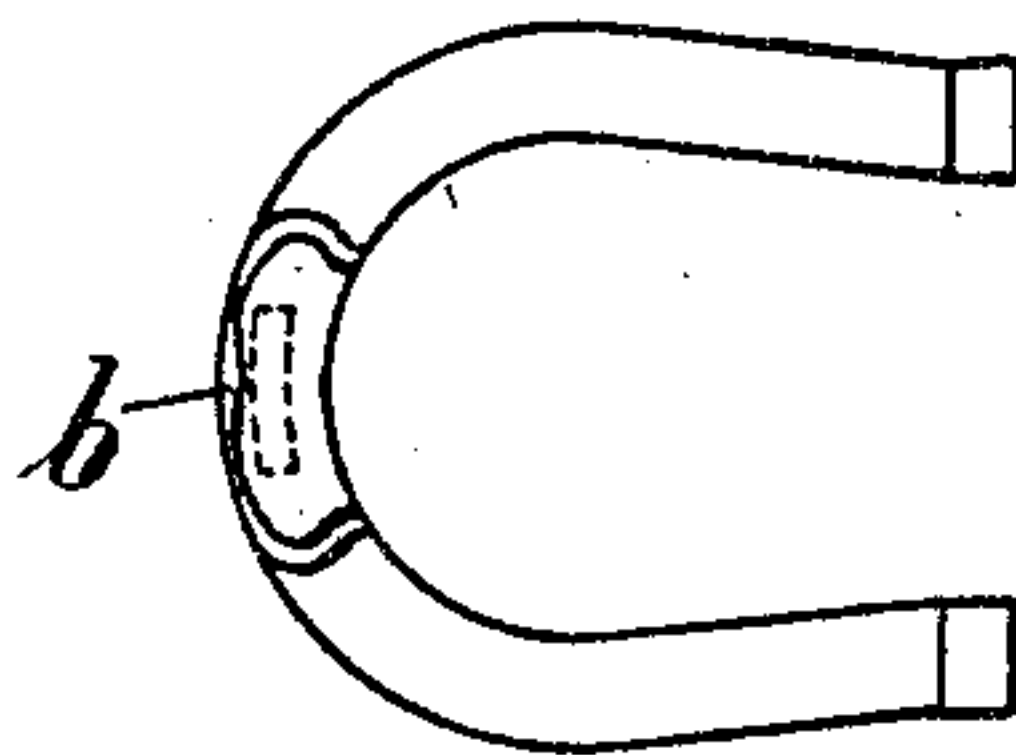
*Fig. 1*



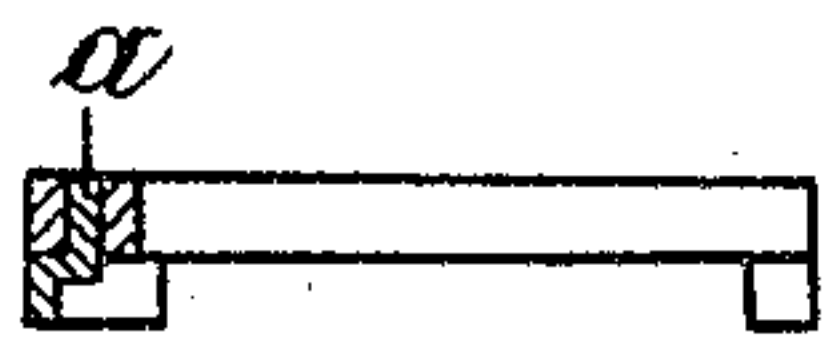
*Fig. 2*



*Fig. 3*



*Fig. 4*



Witnesses:  
*George H. Robb*  
*Edward H. Huber*

Inventor:  
*Hermann Müller*

# UNITED STATES PATENT OFFICE.

HERMANN MÜLLER, OF CHEMNITZ, GERMANY.

## HORSESHOE-CALK.

No. 837,488.

Specification of Letters Patent.

Patented Dec. 4, 1906.

Application filed December 7, 1905. Serial No. 290,696.

*To all whom it may concern:*

Be it known that I, HERMANN MÜLLER, merchant, a subject of the German Emperor, and a resident of Chemnitz, Saxony, Germany, have invented new and useful Improvements in Horseshoes, of which the following is a specification.

This invention relates to hollow calks which are to be inserted into horseshoes made of steel, the novelty of this invention being in that the walls connecting the calktread to the insertion-shaft are curved in a corrugated way, whereby said walls are capable of resisting greater strains, and consequently less likely to break off.

The accompanying drawings show a constructional form of the invention, namely:

Figure 1 is a perspective rear view, while Fig. 2 shows a front view of the same. Fig. 3 shows a plan, and Fig. 4 a cross-section, of how the hollow calk is to be inserted into the horseshoes.

The hollow calk, which is made of steel, comprises the conical shaft *a* and the walls *c*,

which connect the shaft with the tread *b*. 25  
The side walls *c* are shaped in corrugated fashion, whereby they are strengthened, and thus capable of greater resistance to breaking strains. In order to increase the resistance of the tread *b*, the latter is also curved. 30  
The cross-section of the shaft *a* may be either semicircular, square, oval-shaped, or the like, or even two shafts may be used.

Having fully described my invention, what I claim, and desire to secure by Letters Patent, is— 35

A hollow steel calk for horseshoes comprising, a shaft *a* the corrugated walls *c* said walls connecting the shaft with the tread *b*, substantially as described and shown and for 40 the purpose set forth.

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

HERMANN MÜLLER.

Witnesses:

FREDERICK J. DIETZMAN,  
BRUNO URLY.