S. CHORCHOS.

MILL SHOE.

APPLICATION FILED MAR. 16, 1917.

1,234,445. Patented July 24, 1917.

FIG. 1.

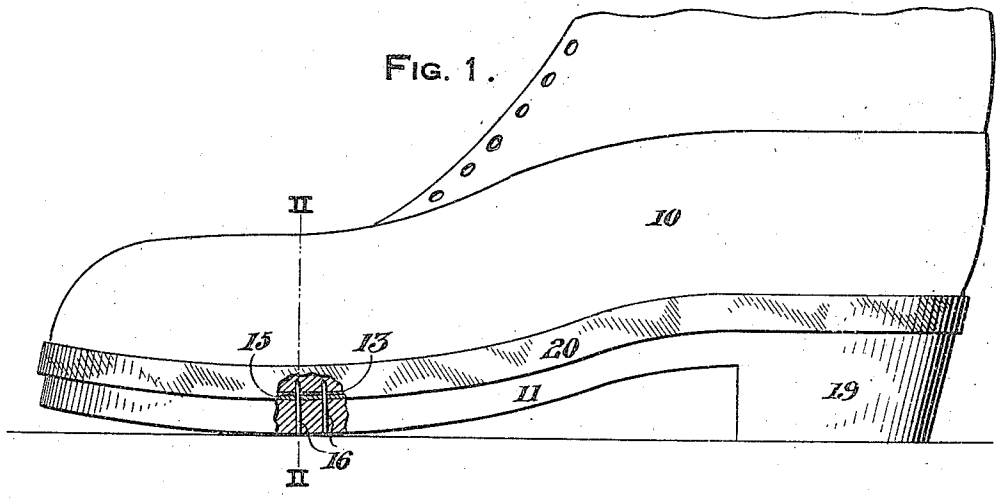


FIG. 2.

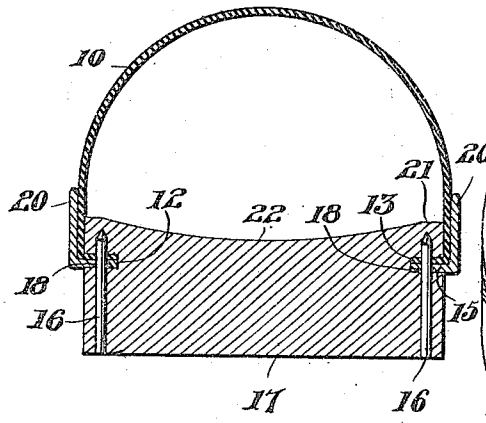


FIG. 3.

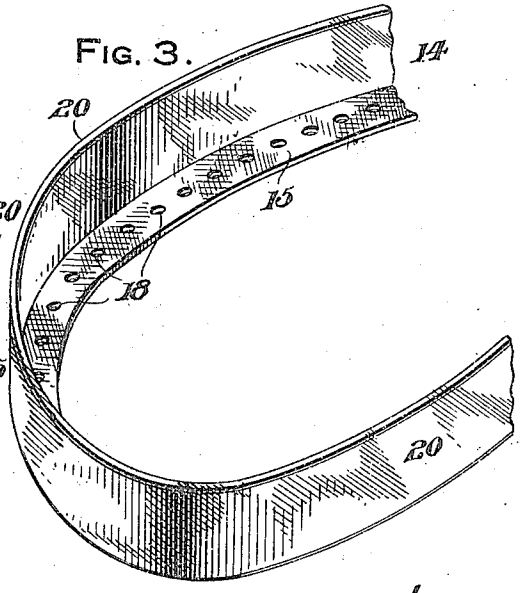


FIG. 4.

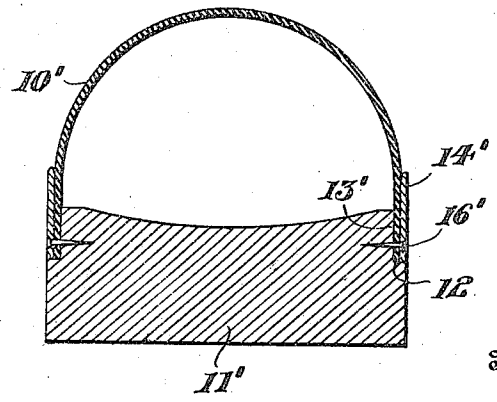
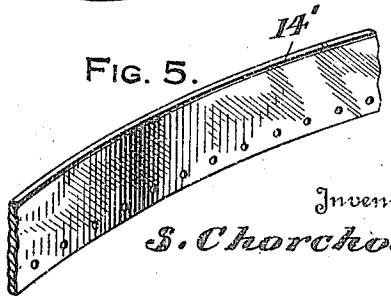


FIG. 5.



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UNITED STATES PATENT OFFICE.

STEFAN CHORCHOS, OF AVOCA, PENNSYLVANIA.

MILL-SHOE.

1,234,445. Specification of Letters Patent. Patented July 24, 1917.

Application filed March 16, 1917. Serial No. 155,252.

To all whom it may concern:

Be it known that I, STEFAN CHORCHOS, a subject of the Emperor of Austria, residing at Avoca, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Mill-Shoes, of which the following is a specification.

This invention relates to certain new and useful improvements in mill shoes.

The primary object of the invention is the provision of a shoe for use in rolling and other metal mills whereby the workmen may freely walk upon the heated iron without destroying their shoes as in the case where leather shoes are worn.

A further object is the provision of a shoe having a block sole arranged with a ready means for attaching the upper thereto as well as for protecting the edge portion thereof.

A still further object is to provide a mill shoe that is easy and inexpensive to manufacture, the same having an upper retainer for the sole capable of wear as the sole becomes thinner during the operative use thereof.

In the drawing forming a part of this application and in which like designating characters refer to corresponding parts throughout the several views:—

Figure 1 is a side elevation of the present form of shoe partially broken away.

Fig. 2 is a transverse sectional view taken upon line II—II of Fig. 1.

Fig. 3 is a perspective view of an end portion of the protecting flange employed.

Fig. 4 is a transverse sectional view of a different form of the device, and,

Fig. 5 is a perspective view of a portion of the protecting band employed with the latter.

The present shoe being designed for mill use, consists of substantially the usual form of the leather upper 10 having a sole 11 attached thereto formed of a single block of material such as wood.

The sole 11 is arranged with a marginal kerf or groove 12 arranged entirely around the same adapted for the reception of the inturned lower edges 13 of the upper 10. A protecting flanged plate 14 is arranged in endless formation, the same being right-angular in cross-section and conforming to the curvature of the sole 11, the inwardly-extending flange 15 of the said plate being adapted for reception within the kerf 12 overlying the portion 13 of the upper 10 as well as the lower outer surface of the latter, as best illustrated in Fig. 2 of the drawing.

As shown in Fig. 2, wooden pegs 16 extend upwardly through the tread surface 17 of the sole 11 adjacent the marginal edge thereof and pass through the kerf 12. The plate flange 15 extends into the kerf and is perforated at 18, the said pegs passing through the perforations to hold the plate in protecting position, as well as passing through the edge portions 13 of the upper 10. It will be noted that the flange 15 is wedged into the kerf 12 being snugly seated therein for assisting in retaining the edge portion 13 in position. The upper edge 20 of the flanged plate 14 is positioned above the upper face 21 of the sole 17, the latter being slightly concaved as at 22 for the accommodation of an insole (not shown). The flanged plate 14 is preferably formed of strip material overlapped and suitably connected together at one point preferably adjacent the heel portion 19 of the sole 11, the flange 15 being readily inserted within the kerf 12 by positioning the plate encirclingly upon the sole 11.

A modified form of construction is illustrated in Fig. 4 of the drawing comprising a wooden sole 11′ having a cut-away marginal portion 12′ within which the outer edge portions 13′ of the upper 10′ are positioned, the same being retained by means of a metallic protecting strip 14′ through which strip and upper suitable hold-fast devices 16′ are arranged.

A serviceable shoe which will give comfort to the wearer is arranged, the same being readily worn while walking over heated iron which will come in contact with the hard sole 11, the flanged plate 14 being a protection to the upper edge of the sole and the lower portions of the upper 10 when the shoe is brought in forcible contact with metallic or other hard substances when the shoe is in use.

What I claim as new is:—

A mill shoe comprising a wooden sole having an inwardly-extending groove around the entire outer edge thereof at substantially a uniform distance from the upper face of the sole, a leather upper spanning the upper face of the sole and having its opposite edges seated within the said

groove, a protecting plate right-angular in cross-section provided with a perforated inwardly-projecting flange closely fitting within the said groove overlying the adjacent portion of the upper and terminating above the top of the sole, and pegs arranged through the sole terminating at the tread face thereof traversing the said groove and extending through the said perforations and the adjacent portion of the upper arranged within the said groove.

In testimony whereof I affix my signature.

STEFAN CHORCHOS.

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