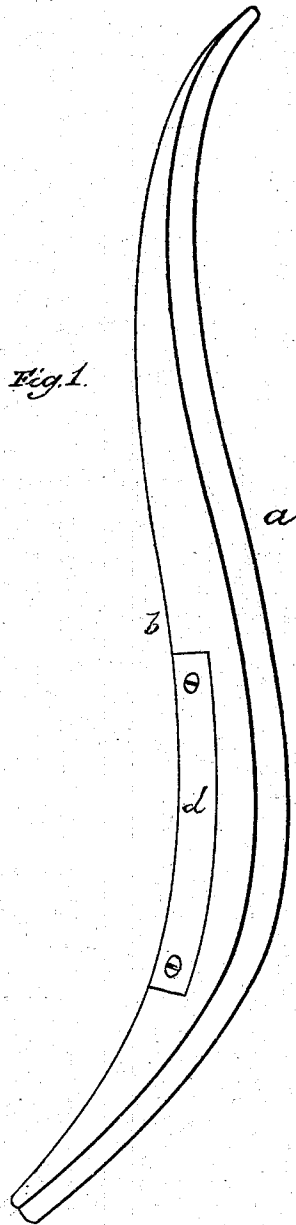
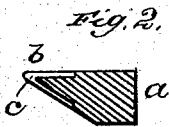
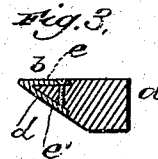


(No Model.)

C. E. SMITH.
HAME.

No. 276,912.

Patented May 1, 1883.



WITNESSES
Emory H. Bates,
Philip C. Cusi.

INVENTOR,
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UNITED STATES PATENT OFFICE.

CHARLIE E. SMITH, OF HOOPESTON, ILLINOIS.

HAME.

SPECIFICATION forming part of Letters Patent No. 276,912, dated May 1, 1883.

Application filed September 9, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLIE E. SMITH, a citizen of the United States, and a resident of Hoopston, in the county of Vermilion and State of Illinois, have invented a new and valuable Improvement in Hames; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a front view of my hames. Fig. 2 is a cross-sectional view. Fig. 3 is also a cross-section.

This invention has relation to wear-plates for wooden hames; and it consists in the construction and novel arrangement of the long curved angular iron corner-plate let into the inner and under corner of the hame-bar along the length thereof, the latter being recessed to receive the plate, so that it shall lie flush with the surfaces of said hame-bar, all as hereinafter set forth.

In the accompanying drawings, the letter *a* designates a wooden hame-bar of ordinary shape, but recessed along its under and inner walls, next the inner or bearing corner, *b*, as indicated at *c*, the depth of the recesses or seats being equal to the thickness of the wear-plate to be let into the same.

d represents the corner-plate, which is of curved and elongated form and angularly bent along its length to fit the corner *b* of the hame-bar, along which this plate is designed to extend, its rings *e e'*, respectively, being seated in the recesses of the under and inner walls of the hame-bar, so that their surfaces are flush with said walls, as shown in the drawings.

The corner-plates should be secured in position by

means of countersunk screws. This construction is designed to serve an excellent purpose in preventing the wearing away of the bearing-corner of wooden hames, which is apt to be caused by the draft-strain and the working of the hames from side to side. It preserves the hame-bars in form, so that the pressure exerted through them on the shoulders of the horse will be even and uniform.

Hames having a lower curved portion in the form of a socket or sheath for receiving an upper portion of either metal or wood, or both combined, and a sleeve which slides over the lower portion and is provided with an adjustable staple-plate confined beneath its edge and in contact with the outer edge of the lower portion, is not new in this connection. Wooden iron-bound hames having the wood formed with edge shoulders and an intervening swelling rib extending uniformly throughout its length has been combined with concave irons adapted to such shoulders and ribbed surface prior to my invention, and I claim neither of said constructions herein.

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

A hame provided with the elongated curved angular iron corner-plate *d*, having the under and inner rings, *e e'*, and let into the inner and under bearing-corner, *b*, of the hame-bar *a* flush with its inner and under walls, along its length, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

CHARLIE E. SMITH.

Witnesses:

THOMAS SMITH,
THOS. WOOLVERTON.