

(No Model.)

H. S. CUSHMAN.

WHIP STOCK CORE.

No. 378,662.

Patented Feb. 28, 1888.

Fig. 1.



Fig. 2.

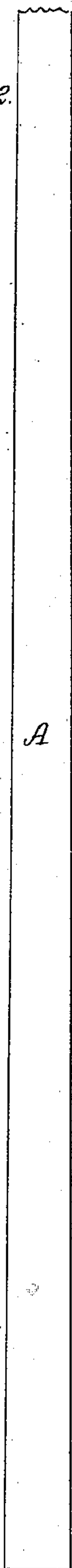


Fig. 3.

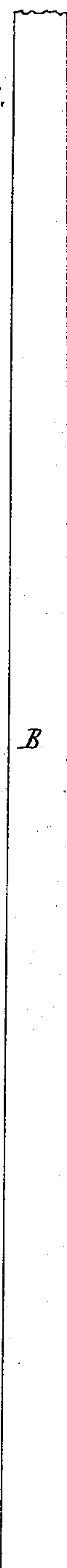


Fig. 6.



Fig. 4.

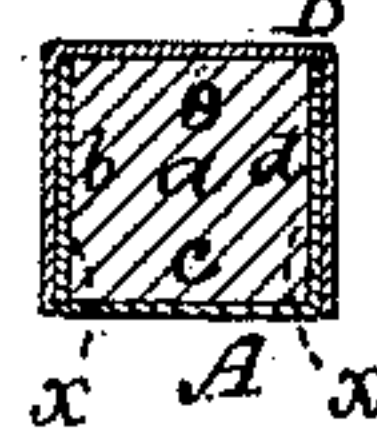
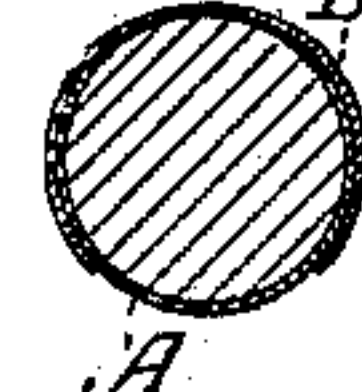


Fig. 5.



Witnesses.

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UNITED STATES PATENT OFFICE.

HENRY S. CUSHMAN, OF MILFORD, MASSACHUSETTS.

WHIP-STOCK CORE.

SPECIFICATION forming part of Letters Patent No. 378,662, dated February 28, 1888.

Application filed October 31, 1887. Serial No. 253,877. (No model.)

To all whom it may concern:

Be it known that I, HENRY S. CUSHMAN, a citizen of the United States, residing at Milford, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Whip-Stock Cores; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

Figure 1 is a side view of the heart-piece of whalebone or a suitable wood, tapered as shown. Fig. 2 is a side view of the strip A, and Fig. 3 a similar view of the strip B, of rawhide, buckskin, or a suitable leather, as formed or tapered to be applied to the heart-piece. Fig. 4 is a transverse section of the heart-piece and the strips as applied thereto, on an enlarged scale. Fig. 5 is a transverse section of the heart-piece as made circular or round and having the strips applied thereto, as shown. Fig. 6 is a side view of the heart-piece as it appears when finished.

This invention relates to improvements in the manufacture of whip-stock cores composed of whalebone or wood and rawhide, buckskin, or a suitable leather cemented thereto in the manner hereinafter described.

In carrying out my invention I take a continuous piece of whalebone or suitable wood of proper or desired length—which is tapered to the necessary extent and is square or rectangular in cross-section—for the heart-piece *a*, and apply to three of its sides—viz., *b c d*—by means of cement, a strip, A, of rawhide or buckskin or suitable leather tapered to conform to the taper of the said heart-piece. I next take another piece, B, of rawhide, buckskin, or a suitable leather, also tapered to conform to the

taper of the heart-piece, and apply it by means of cement to the side *e* of the heart-piece and to the laps *x x* of the piece A, as shown in Fig. 4. Thus it will be seen that the sides *c e* of the heart-piece are each covered by a single thickness of the rawhide or leather, while the sides *b d* are covered by a double thickness of the same.

A whip-core made as hereinbefore described is very strong and one easily manufactured, and the heart-piece will be supported to better advantage by having the covering in two pieces, applied as described, than if the leather covering is in one piece and wound around the heart-piece and lapped upon itself. When the heart-piece is made circular or round in transverse section, the strip A is made to cover three-fourths, or thereabout, of the circumference thereof, and the strip B covers the fourth of said circumference uncovered by the strip A and laps upon said strip, as shown in Fig. 5.

I am aware of a whip-stock core composed of a bone center about which is wrapped in several folds a single piece of rawhide. By using two pieces of rawhide lapping each other, as I do, the covering lies smoother and there is no tendency to warp or twist. On two sides the covering is thicker than on the other two, which makes the core more elastic and springy. Smaller pieces of rawhide can be economically used, and there is no unnecessary waste.

Having described my invention, what I claim is—

The whip-stock consisting of the core *a* and longitudinal strips of leather or rawhide, A B, having longitudinal overlapping edges upon opposite sides of the core, as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY S. CUSHMAN.

Witnesses:

S. N. PIPER,
W. MARTIN.