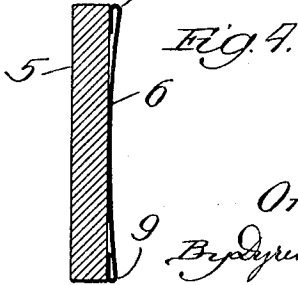
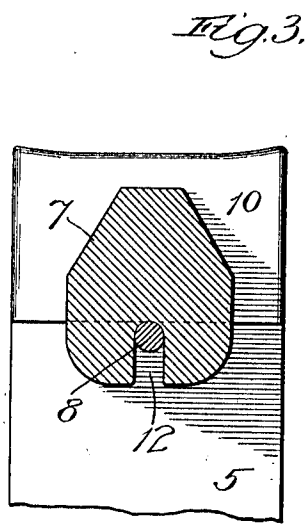
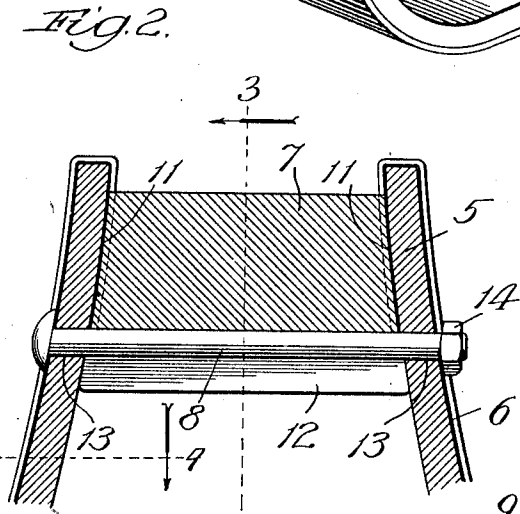
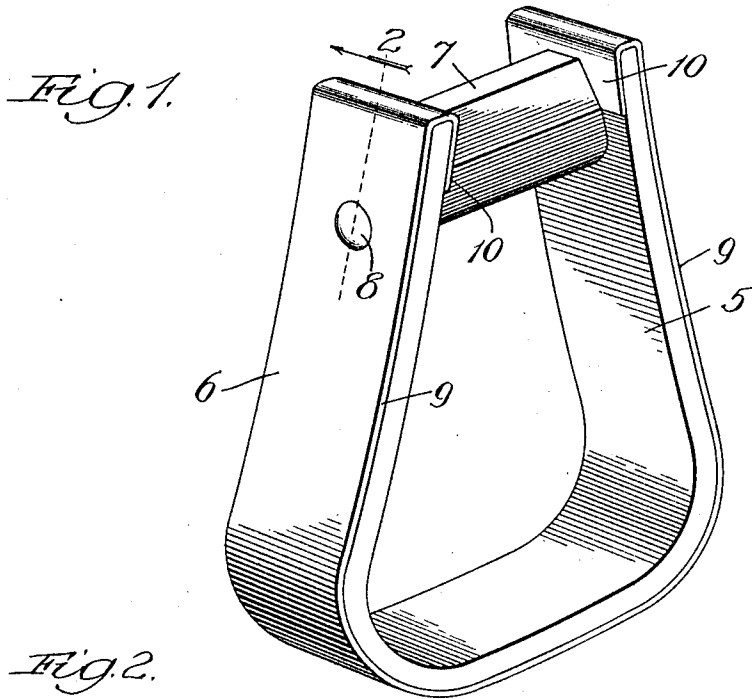


O. V. FLORA.
METAL BOUND STIRRUP.
APPLICATION FILED NOV. 20, 1911.

1,020,752.

Patented Mar. 19, 1912.



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UNITED STATES PATENT OFFICE.

ORLANDO V. FLORA, OF MADISON, INDIANA.

METAL-BOUND STIRRUP.

1,020,752.

Specification of Letters Patent.

Patented Mar. 19, 1912.

Application filed November 20, 1911. Serial No. 661,399.

To all whom it may concern:

Be it known that I, ORLANDO V. FLORA, a citizen of the United States, residing at Madison, in the county of Jefferson and State of Indiana, have invented a new and useful Improvement in Metal-Bound Stirrups, of which the following is a specification.

My object is to provide a wooden stirrup of novel and improved construction having a sheet-metal binding applied in a manner to prevent checking or splintering of the wood, and to render the stirrup particularly strong and durable.

In the accompanying drawing—Figure 1 is a perspective view of my improved stirrup; Fig. 2, an enlarged broken section, on line 2 in Fig. 1, of the upper portion thereof; and Figs. 3 and 4, sections taken, respectively, on lines 3 and 4 in Fig. 2.

The reference numeral 5 designates the wooden loop-portion of the stirrup, 6 a sheet-metal binding therefor, 7 a spacer-block for attachment to a stirrup-strap, and 8 a bolt securing the parts together.

In the manufacture of the stirrup I take a flat strip of wood of suitable width, length and thickness, and before shaping it into stirrup-form I apply thereto the metal-strip 6. The strip 6 is somewhat greater in length than the strip 5 and is of greater width, and before applying it I bend its opposite edge-portions upon themselves to give to the strip approximately the same width as the strip 5 and cause it to present the rounded dull edges 9. The strip 6 is laid upon the strip 5 with its inturned edges underneath and is then bent at its opposite end-portions 10 around the ends of the wooden strip 5. The combined strip is then subjected to the usual steaming operation and then bent into form in the usual manner to give it the desired stirrup shape shown, bulging at the base and with its ends inclined toward each other. The block 7 is provided with chamfered end-surfaces,

to conform to and fit between the relatively inclined surfaces of the end-portions of the loop or stirrup, and is also provided in its under side with a longitudinal groove 12, to register with bolt-openings 13 in the loop. The parts are fastened together by means of a bolt 8, passed through the openings 13 and groove 12 and tightened by means of a nut 14. The bent or inturned ends 10 of the metal binding are clamped between the loop and block and thus held firmly down, and the pressure of the loop upon the chamfered ends of the block holds the latter with great security.

By providing a groove 12 for the bolt in the under-side of the block the bolt is housed; and the groove is preferable for this purpose to a hole bored through the block, because it permits the block to shift in the upward or downward direction, as the parts are being clamped together, to conform more closely at its chamfered ends to the tapering loop-surfaces.

What I claim as new and desire to secure by Letters Patent is—

A stirrup comprising, in combination, a strip of wood of suitable loop-shape, a sheet-metal strip forming a covering for the outer surface of the wooden strip and bent around opposite ends thereof, the opposite edges of the sheet-metal strip being turned under to lie upon the surface of the wooden strip and present smooth and dull edges, a spacer-block having chamfered ends, conforming to and fitting the inner surfaces of the opposite end-portions of the loop, and having a groove in its under side, and a bolt in said groove securing the loop against opposite ends of the block to hold the latter in place and clamp down the ends of the metal strip, substantially as and for the purpose set forth.

ORLANDO V. FLORA.

In presence of—

A. R. SHEPARD,
E. E. FLORA.