

No. 771,655.

PATENTED OCT. 4, 1904.

C. W. MILLER.
HARNESS PAD.

APPLICATION FILED DEC. 12, 1903.

NO MODEL.

2 SHEETS—SHEET 1.

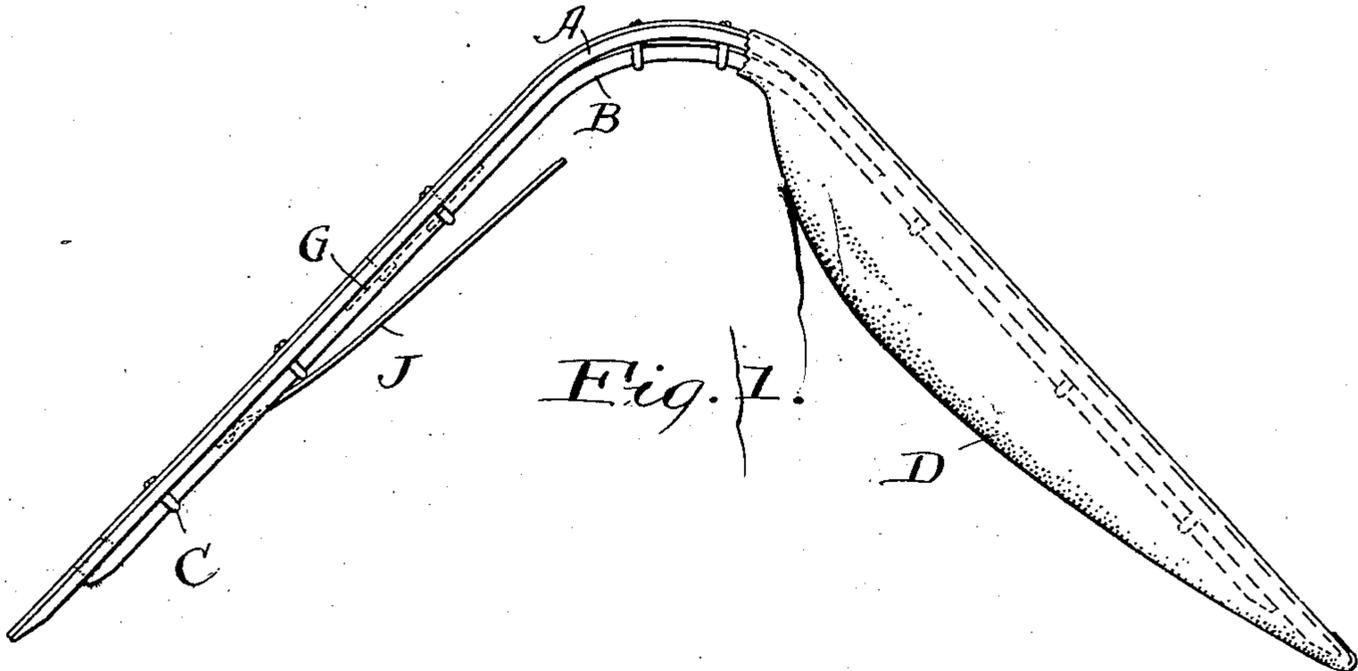


Fig. 1.

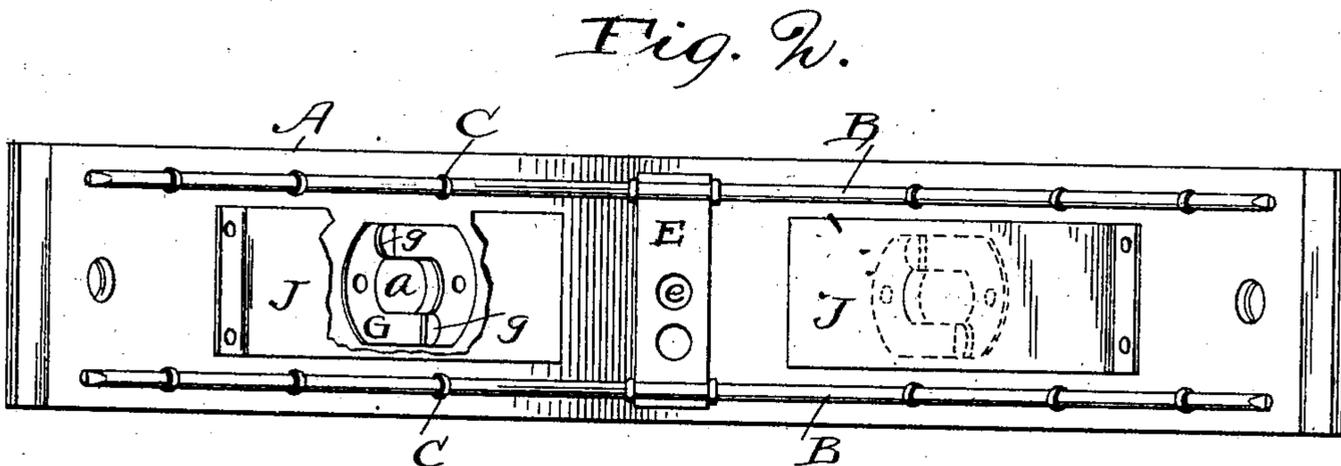


Fig. 2.

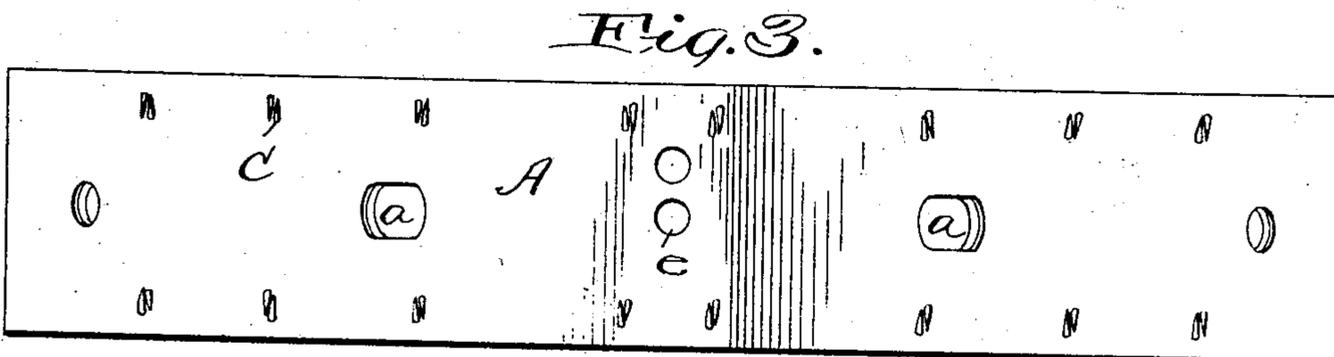


Fig. 3.

Witnesses.
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B. W. Brockell

Inventor:
Charles W. Miller
 By his Attorneys,
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2 SHEETS—SHEET 2.

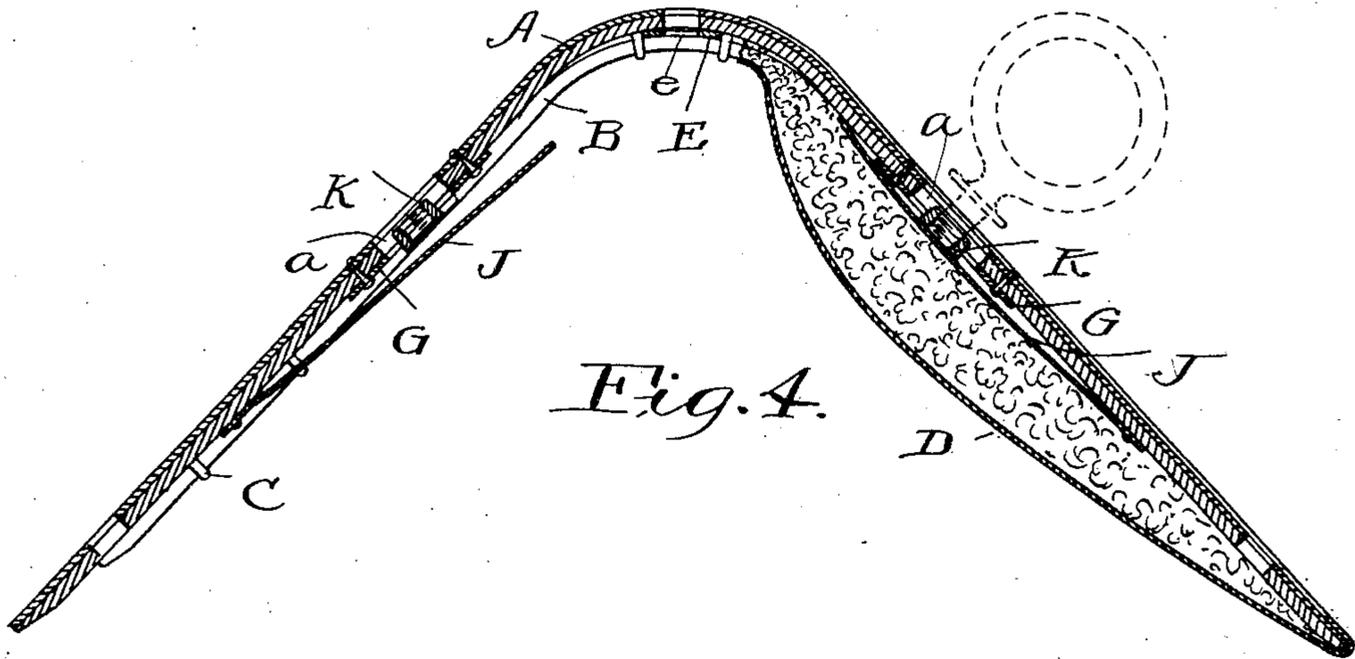


Fig. 5.

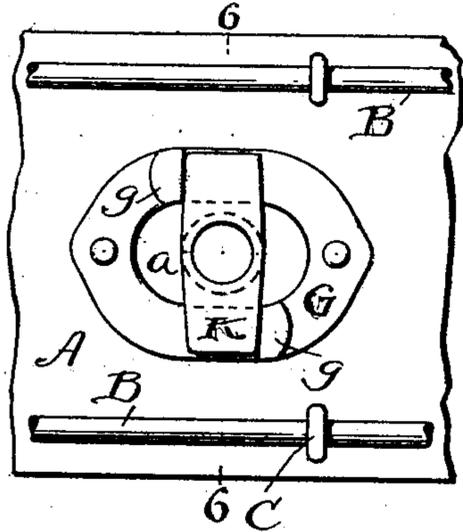
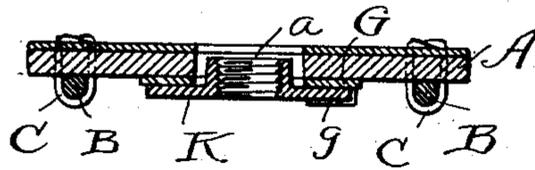


Fig. 6.



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UNITED STATES PATENT OFFICE.

CHARLES W. MILLER, OF CANTON, OHIO, ASSIGNOR TO THE GILLIAM MANUFACTURING COMPANY, OF CANTON, OHIO, A CORPORATION OF WEST VIRGINIA.

HARNESS-PAD.

SPECIFICATION forming part of Letters Patent No. 771,655, dated October 4, 1904.

Application filed December 12, 1903. Serial No. 184,902. (No model.)

To all whom it may concern:

Be it known that I, CHARLES W. MILLER, a citizen of the United States, residing at Canton, in the county of Stark and State of Ohio, have invented a certain new and useful Improvement in Harness-Pads, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

The object of this invention is to provide a cheap and durable flexible harness-pad particularly adapted for use in connection with harness-saddles.

The invention may be summarized here as consisting in the combination of parts shown in the drawings and hereinafter described, and definitely pointed out in the claims.

In the drawings, Figure 1 is a front elevation of a pad embodying my invention, the same being shown before the padding is applied to the left side. Fig. 2 is a bottom plan before any padding is applied. Fig. 3 is a top plan view. Fig. 4 is a sectional front elevation. Fig. 5 is an enlarged bottom plan of a part of one side before the padding is applied, and Fig. 6 is a sectional view on line 6 6 of Fig. 5.

Referring to the parts by letters, A represents the top plate or "housing," as it is commonly called. This housing is made of some material which is sufficiently flexible to permit the limited amount of bending which is necessary to enable the pad to fit the backs of horses of various shapes and sizes. This housing may be made of thick leather or of a thick dense paper-board; but a housing made of this paper-board, (which is a well-known article of commerce,) having a top facing of leather glued thereto is preferable. On the under side of this housing are placed two wires B B, which together constitute the tree, these wires being, by reason of the bend near their middle, of approximately the shape in which it is normally desired to maintain the housing. These two wires are secured to the housing at a suitable distance from its edges by staples C, which pass through the housing and are clenched thereto. A padded facing D is se-

cured to the under side of the housing over these wires.

When the pads having the above-described construction are employed as parts of harness-saddles, the other parts of said saddles are secured upon the top side of said housing. It is then necessary that so-called "trimmings" of various sorts be applied. Such trimmings include the crupper-loop, the hook, and sometimes an ornamental seat, all of which are secured upon the middle part of the saddle. They also include sometimes terrets, which are secured upon each side member of the saddle. These terrets serve among other purposes that of holding down upon the housing the parts of the saddle which lie above it. This function may be performed by bolts having ornamental heads instead of terret-rings. To facilitate the firm attachment of the crupper-loop, hook, and seat, a bur-plate E is clamped to the under side of the housing at the middle thereof by the two wires B B, under which both ends of said plate project. This plate is provided with holes *e* for the passage of the threaded stems of the trimmings, which threaded stems engage with burs which bear against the under face of the bur-plate.

It is desirable to be able to secure the terrets or their equivalents after the saddle is completed. In order that this may be possible with the construction described, there is formed in each side of the housing an elongated hole *a* large enough for the elongated burs K to pass through. On the under side of the housing is secured a bur-plate G, adjacent to and preferably surrounding this hole, and on this bur-plate are downwardly-projecting lugs *g*, preferably two of them. Preferably, also, a leather flap J is secured to the under side of the housing and lies across this bur-plate. To secure the terrets or their equivalent to the saddle, one pushes one of the burs through one of these side holes *a*. He then passes the threaded stem of the terret down through this hole and screws it into the bur. The turning of the terret turns the bur, which is longer than it is wide, so that

the ends of said bur, or one of them, engages with the lugs *g*, or one of them, and thus prevent the bur from turning farther, wherefore the terret may be screwed in completely and tightly. When one unscrews the terret to take it out, the bur will after awhile turn with the terret until it comes into contact with said lugs or one of them, which prevent further turning and permit the terret to be completely unscrewed.

Having described my invention, I claim—

1. A harness-pad consisting of a flexible housing, two bent wires lying against the under side of said housing, and staples fastening the wires to the housing, and a bur-plate on the under side of the housing at the middle thereof having its ends projecting under the two wires whereby it is clamped in place.

2. A harness-pad consisting of a flexible housing, two bent wires lying against the under side of said housing and staples fastening the wires to the housing, each arm of said housing having through it an elongated hole, large enough to permit the passage of a bur, and a bur-plate secured to the under side of

the housing adjacent to said hole and having a downwardly-depending lug adapted for engagement with said bur.

3. A harness-pad consisting of a flexible housing, two bent wires lying against the under side of said housing, and staples fastening the wires to the housing, each arm of said housing having through it an elongated hole, large enough to permit the passage of a bur, and a bur-plate secured to the under side of the housing adjacent to said hole and having a downwardly-depending lug adapted for engagement with said bur, said bur-plate having a hole through it which is coincident with the hole in the housing, and being secured to the under side of the housing and having two downwardly-extended lugs projecting from its lower face.

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

CHARLES W. MILLER.

Witnesses:

W. H. SMITH,
DAISY RINGENBACH.