(No Model.)

F. A. NEIDER.

HOOK FOR TOE PADS.

No. 562,907. Patented June 30, 1896.

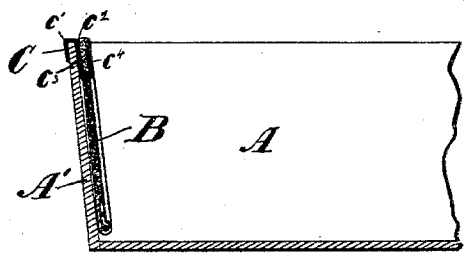


FIG. 1.

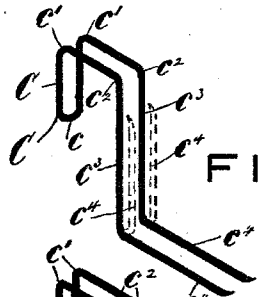


FIG. 2.

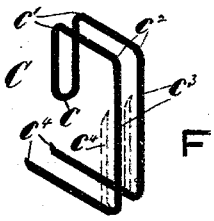


FIG. 3.

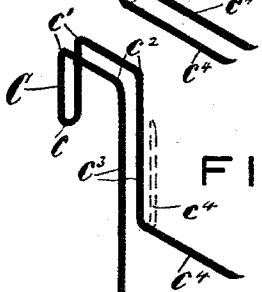


FIG. 4.

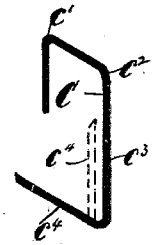


FIG. 5.

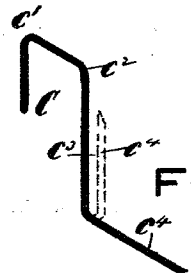
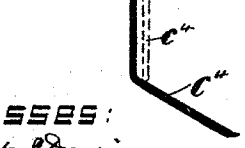


FIG. 6.



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UNITED STATES PATENT OFFICE.

FRED A. NEIDER, OF AUGUSTA, KENTUCKY.

HOOK FOR TOE-PADS.

SPECIFICATION forming part of Letters Patent No. 562,907, dated June 30, 1896.

Application filed July 13, 1894. Serial No. 517,409. (No model.)

To all whom it may concern:

Be it known that I, FRED A. NEIDER, a citizen of the United States, and a resident of Augusta, in the county of Bracken and State of Kentucky, have invented certain new and useful Improvements in Toe-Pad Hooks, of which the following is a specification.

The object of my invention is to provide a simple, cheap, and easily-applied hook for suspended toe-pads in the front end of buggy-bodies.

The invention will be fully understood from the following description of the accompanying drawings, in which—

Figure 1 is a vertical longitudinal sectional view taken through the front portion of a piano-box buggy with my improvement applied for use. Fig. 2 is a perspective view, upon a greatly-enlarged scale, of my preferred form of hook before being applied to the pad, the dotted lines showing the position the fastening-arms assume when the hook is applied. Fig. 3 is a modification of the same, the fastening-arms being turned in the opposite direction. Fig. 4 is another modification of the view shown in Fig. 1, showing one of the arms extended to lie flat upon the face of the pad and its fastening-arm bent to pass through the pad near its lower edge. Fig. 5 is a modification of Fig. 2, the modification consisting in dispensing with one-half of the hook and the loop end which connects the two halves. Fig. 6 is a similar modification of the view shown in Fig. 1.

Referring to Fig. 1, A represents a portion of one side of an ordinary piano-box buggy, and A′ the front of the same. B is the toe-pad, usually formed of carpet or other textile material, shown suspended from the top edge of the buggy-front by my improved fastening-hook C.

The hook is preferably made of steel wire and bent to either of the forms shown in Figs. 2 to 6 inclusive, and afterward japanned.

The preferred form of hook (shown in Fig. 2) is first bent in the center to form the loop c, and then bent at a right angle at c' and c^2, the portion between c' and c^2 being of a length to pass over the top edge of the buggy-front, the loop portion passing down in front and the arms c^3 passing parallel to the arms connecting the loop and bends c'. The ends of the wire are bent again at a right angle to the perpendicular arms c^3, forming the fastening-arms c^4, the points being slightly hooked and beveled upon the outside, to be embedded in the material of the pad when turned to the closed position, as shown in dotted line Figs. 2 to 6 and full line Fig. 1. In this form of hook the points are passed through from the back of the pad and bent upward against the inside or face of the pad. The form shown in Fig. 3 differs only from that shown in Fig. 2 in having its arms c^4 bent in the direction of the looped end. In this case the points are passed through the face of the pad and the arms c^4 bent up against the back.

In the form shown in Fig. 4 one of the arms c^3 is long enough to reach nearly to the lower edge of the pad, and when the arm c^4 is passed through and bent down against the front side of the pad it holds the pad straight. The form shown in Fig. 5 is applied in the same manner as that shown in Fig. 3, and that shown in Fig. 6 the same as in Fig. 1.

Either two or three of these hooks may be applied to the top edge of the pad, and it will be seen that the pad may be readily removed from the buggy and replaced when desired, and when worn out the points may be straightened out and applied to a new pad.

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

1. The toe-pad hook herein described consisting of a single piece of wire having its upper end bent at c' and c^2 to pass upon opposite sides of a buggy-front, one of said arms being bent to form the pointed fastening-arm, c^4, said arm being adapted to pass through a toe-pad and be bent down upon the opposite side to fasten the hook to the pad, substantially as shown and described.

2. The hereinbefore-described hook, consisting of a single piece of wire bent centrally, forming loop, c, and bent at substantial right angles at c' and c^2, to form the hooked portion to pass over the top edge of the buggy-front, and having the pointed arms, c^4, bent at right angles to the arms, c^3, said arms being adapted to pass through the pad and be bent down parallel with the arms, c^3, to fasten the hook to the pad.

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