

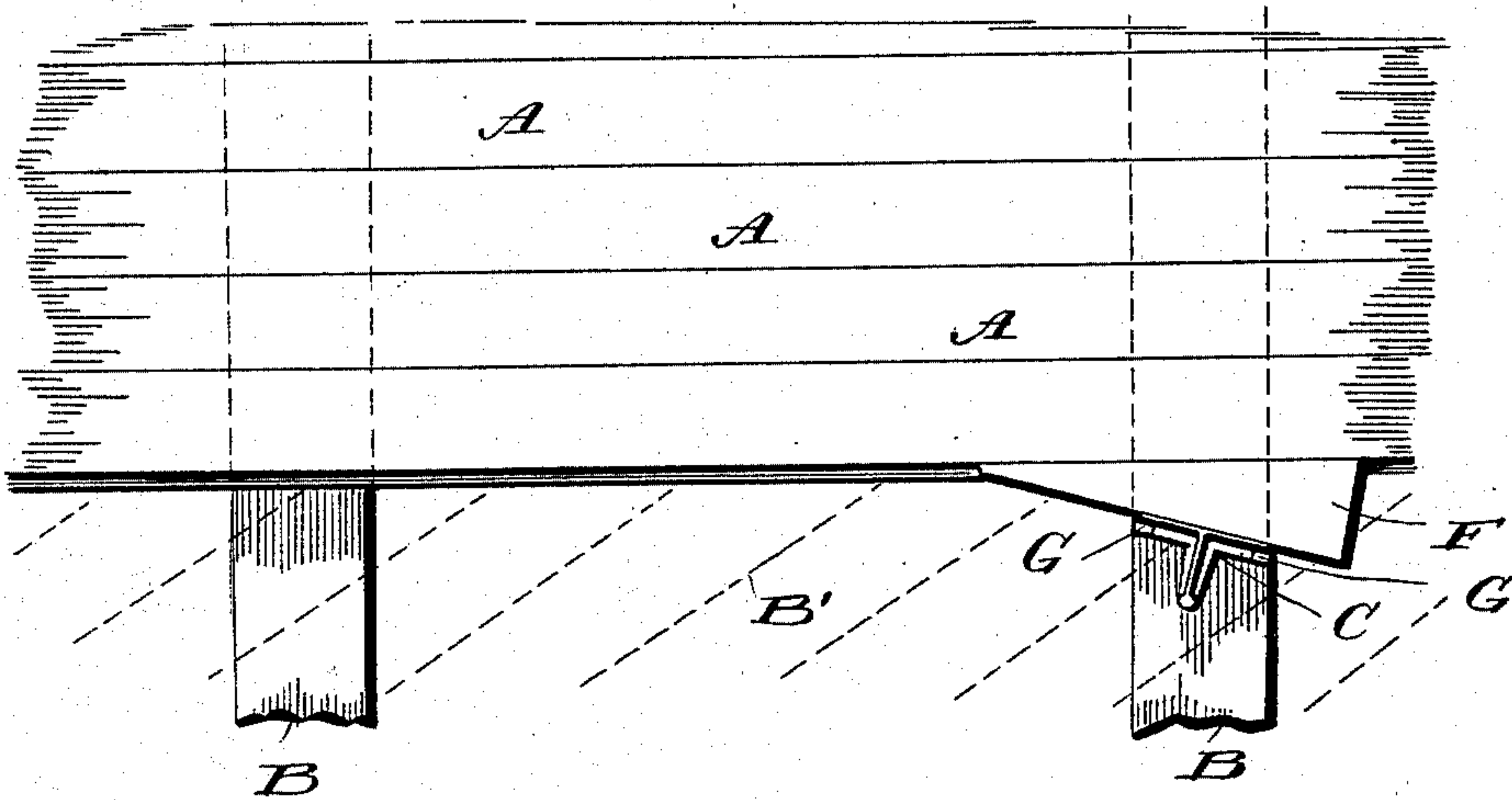
(No Model.)

H. A. BATES.  
FLOOR SET.

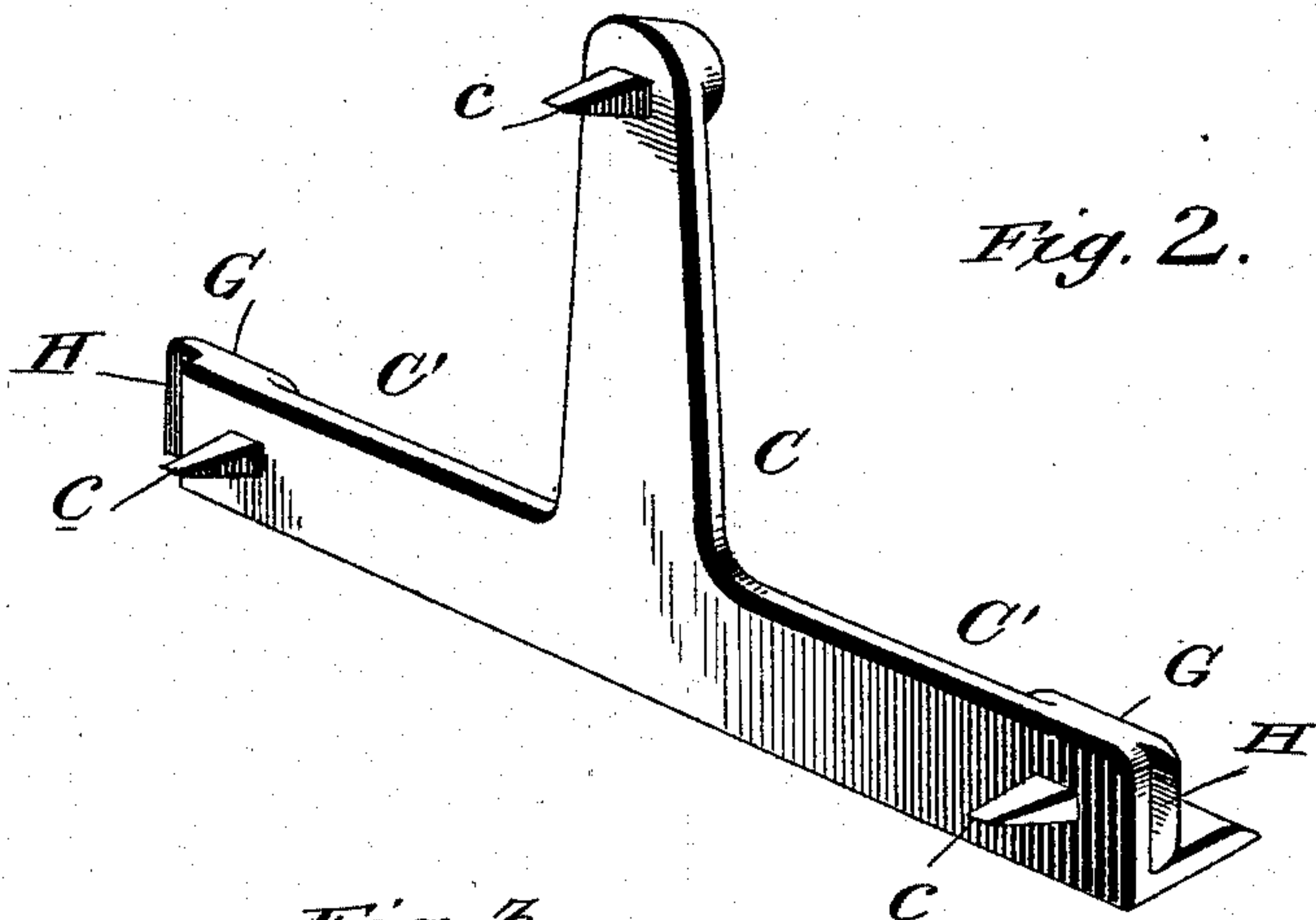
No. 527,474.

Patented Oct. 16, 1894.

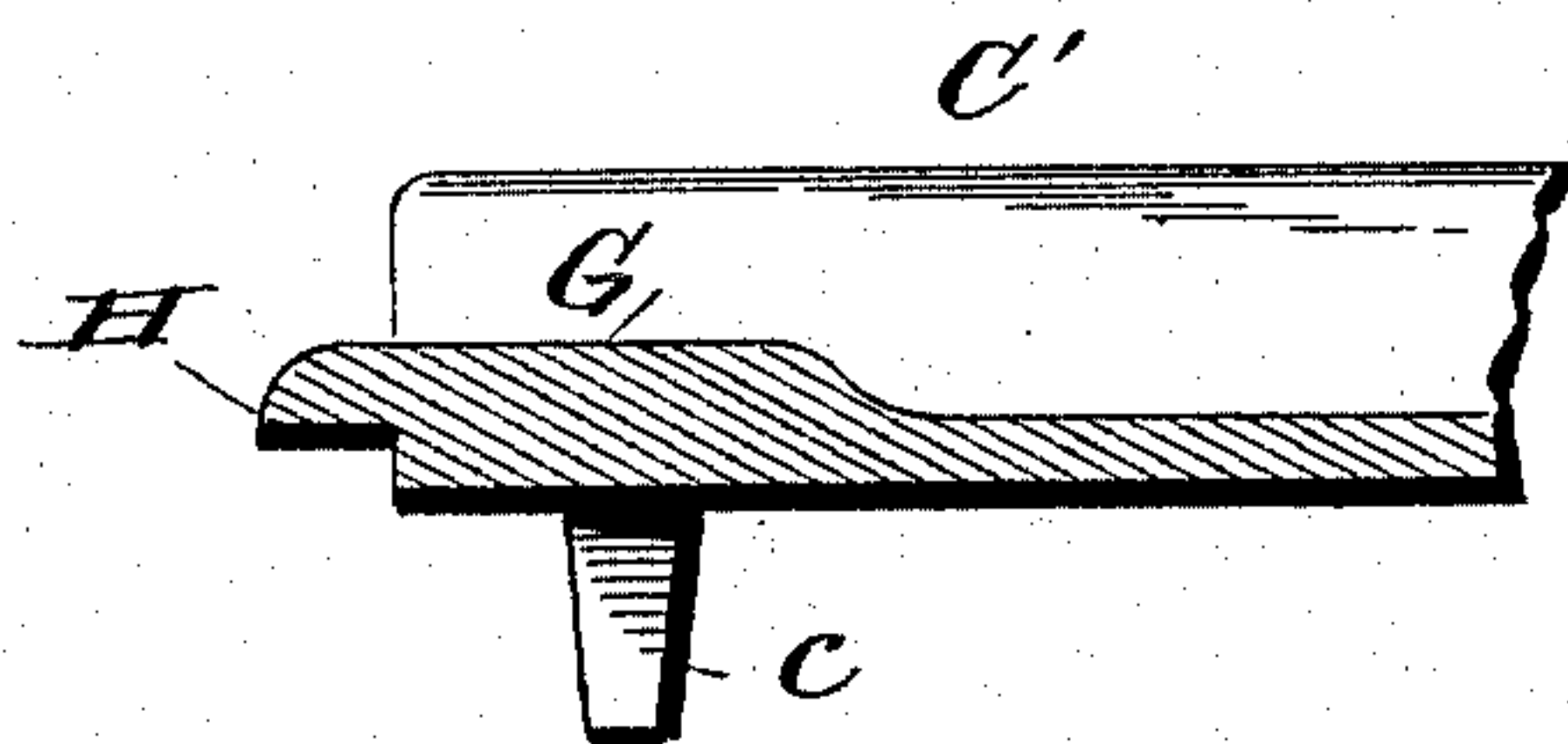
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses:  
L. C. Mills.  
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Inventor:  
Herbert A. Bates,  
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Atty.



# UNITED STATES PATENT OFFICE.

HERBERT A. BATES, OF BATH, MAINE.

## FLOOR-SET.

SPECIFICATION forming part of Letters Patent No. 527,474, dated October 16, 1894.

Application filed March 30, 1894. Serial No. 505,737. (No model.)

*To all whom it may concern:*

Be it known that I, HERBERT A. BATES, a citizen of the United States, residing at Bath, in the county of Sagadahoc and State of Maine, have invented certain new and useful Improvements in Floor-Sets; 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 ap-  
10 pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to certain new and  
15 useful improvements in devices used in laying floors, ceiling, decking, &c., and especially to the construction of a floor dog, which is constructed of metal and is provided with retaining spikes which are designed to hold  
20 the clamp to a joist at any desired angle to the flooring, so as to conform to the wedge to be used in connection with the floor set.

The device comprises a body portion with an extended vertical smooth face and an ex-  
25 tension or brace at right angles to the body portion. Such a device is adapted to be set at any angle desired, so that when occasion requires the device may be changed so as to adapt its position for use in connection with  
30 wedges of different taper and size, the device being simply turned upon one of its spurs or spikes, as a pivot.

I clearly illustrate my invention in the accompanying drawings, which with the letters  
35 of reference marked thereon, form a part of this specification, and in which drawings, similar letters of reference indicate like parts throughout both views, in which—

Figure 1, represents a perspective view of  
40 a section of a floor, joists, and a clamp secured thereto, wedge and a sub floor being shown in dotted lines. Fig. 2, is a perspective view of the floor dog on an enlarged scale.

Reference now being had to the details of  
45 the drawings by letter A, A, represent the boards of a floor which is being laid; B, the ordinary joists, and B' shows in dotted lines a rough sub floor, which is frequently laid beneath a finished floor, and when thus con-  
50 structed, my floor set can, of course, be used at any point between the joists, by simply driving the retaining spurs into the rough boards. C is the metallic dog, having an ex-

tended portion C' at right angles to the por-  
tion C, and at each end are the spurs c which  
55 are integral with the dog. One portion of the dog is disposed at right angles to the portion C, this side being presented to the beveled side of the wedge F, interposed between the set and the edge of the flooring. The wedge  
60 has the ordinary groove into which the tongue of the matched board of the flooring passes, when the wedge is forced between the matched edge and said set. The extremities, where  
65 the retaining spurs are located, are enlarged as at G, G, G, so that the dog may be fastened to a joist, by heavy blows from a hammer or mallet without any danger of the sets  
70 being broken, and the said bushing or enlarged portions have an overlapping projection H, H, which provides means whereby the dog may be released from the joist, by hooking the claw of a hammer, or other instru-  
ment beneath, and prying it up.

The operation of my invention will be  
75 readily understood, as the device is set at any angle to the edge of the boards to be matched, and so as to conform to the beveled edge of the wedge to be used and interposed, and the retaining spurs are driven into the  
80 joist or sub floor, and the set firmly held thereto, thus allowing of a resisting pressure, when the wedge is driven in as in the matching of the boards.

Having thus described my invention, what  
85 I claim to be new, and desire to secure by Letters Patent, is—

The improved device for the purpose set forth, comprising in a single piece, a body-  
90 portion with an extended smooth vertical working face, a brace extending backward at right angles from the central part of said body portion, spurs on the under side, and thick-  
95 ened portions on the upper side of the ends of the body portion and of the free end of the brace, and overhanging projections formed by extensions of the thickened portions on the ends of the body portion, substantially as described.

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

HERBERT A. BATES.

Witnesses:

V. C. RICHARDSON,  
JOSEPH M. TROTT.