

(No Model.)

E. R. BOOTH.
STEREOTYPE PLATE AND HOLDER.

No. 327,648.

Patented Oct. 6, 1885.

Fig. 1.

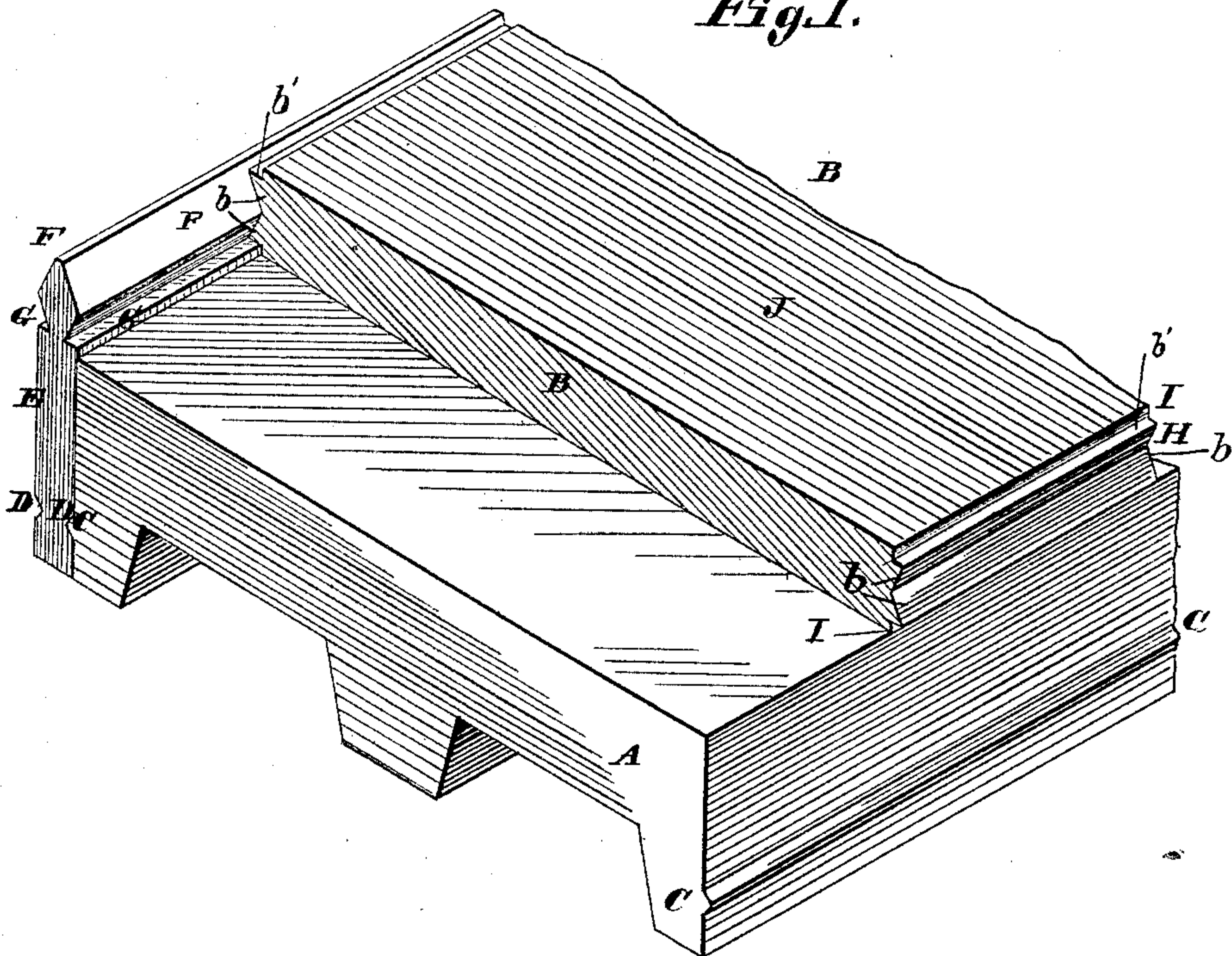
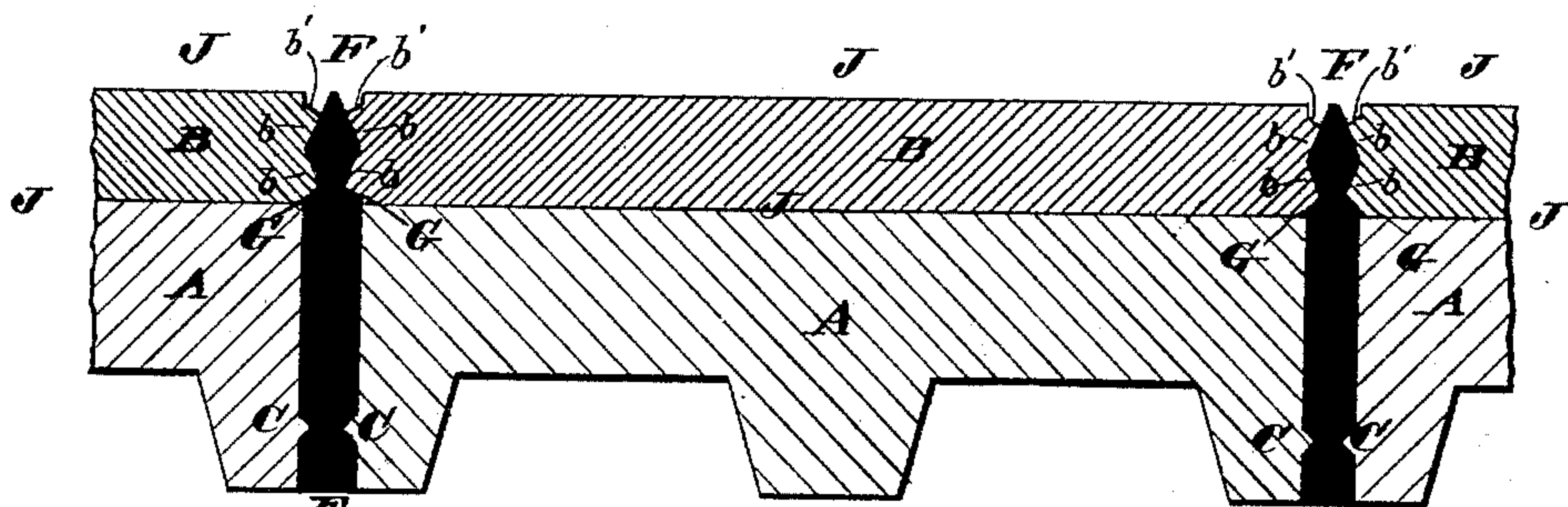


Fig. 2.



Attest:

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E. RUTLEDGE BOOTH, OF ST. LOUIS, MISSOURI.

STEREOTYPE-PLATE AND HOLDER.

SPECIFICATION forming part of Letters Patent No. 327,648, dated October 6, 1885.

Application filed March 26, 1884. Serial No. 125,626. (No model.)

To all whom it may concern:

Be it known that I, E. RUTLEDGE BOOTH, of the city of St. Louis, in the State of Missouri, have invented certain new and useful
5 Improvements in Stereotype-Plates and Holders, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification.

10 Figure 1 is a perspective view. Fig. 2 is a section transverse to the column-rules, showing a modification in the form of rule-shoulders and the beveled ribs or tenons.

A is the base, on which, in conjunction with
15 column-rules, the stereotype-plate B is supported. The base is shown channeled out at bottom to save metal and lessen the weight. At the sides of the base are longitudinal ribs C, that occupy corresponding grooves, D, in
20 the column-rule E. The column-rules are made with a diamond-formed head, F, with shoulders G, (shown square in Fig. 1 and beveled in Fig. 2,) and the edges of the stereotype-plate are planed out or formed with grooves H and
25 I, to receive the salient parts of the head and shoulder of the rule, so that when the parts are locked together the plate B shall be held firmly in position upon the base A.

It will be seen that the two sides of the plate
30 that are fitted to the rules are uniform, so that the plate can be inverted and will fit the base and rules equally well in either position.

The plate B may lie directly upon the base A, or a sheet of paper or other material may
35 be laid between to prevent injury to the letters of the under side.

In casting the stereotype-plate B the letters would of course be cast upon both sides, J, at the one operation.

40 I prefer to make the base of metal; but it may be made of wood or other material without departure from the principle of the invention.

In planing the edges of the stereotype-plate B, I lay the plate in the planing-machine upon one of its type-faces, and while in this position
45 plane the beveled ribs or tenons *b* on their

outer sides, *b'*, and which are at the opposite face of the plate, so that these sides are always at a given distance from the opposite printing-faces, and as these beveled faces have bearing
50 on the rule-shoulders G it will be seen that the printing-face of the plate will always be at a fixed or given level, even when the plates vary in thickness.

Base-blocks of stereotype-plates are, of
55 course, made about the height to raise the plate to type height. It is also quite true that stereotype-plates, from various causes, vary in thickness, either from the metal varying in
60 temperature when poured, or the alloy varying somewhat in composition, or part of the plate setting under greater pressure than the other part. Stereotype-plates are backed out by
65 placing paper beneath certain parts. It will be seen that if the face of the plate is at the right height its edges will just fit the column-rules.

I claim as my invention—

1. The combination, with the reversible stereotype-plate, of column-rules, the heads
70 of the column-rules and edges of the plate being made with matching ribs and grooves for the purpose of locking them together.

2. The reversible stereotype-plate, in combination with column-rules having shoulders
75 G, giving bearing to beveled ribs or tenons *b* of the plate.

3. The combination of reversible stereotype-plate having beveled ribs or tenons *b*, column-rules having shoulders G, and a base, A, the
80 column-rules and base having rib-and-groove connection.

4. A stereotype-plate formed with grooves H and I, and column-rules E, formed with diamond-shaped heads F and shoulders G, in
85 combination with bases, to which the column-rules are secured.

E. RUTLEDGE BOOTH.

Witnesses:

SAML. KNIGHT,
GEO. H. KNIGHT.