

(No Model.)

G. B. N. DOW.  
BRACKET.

No. 331,187.

Patented Nov. 24, 1885.

Fig. 1.

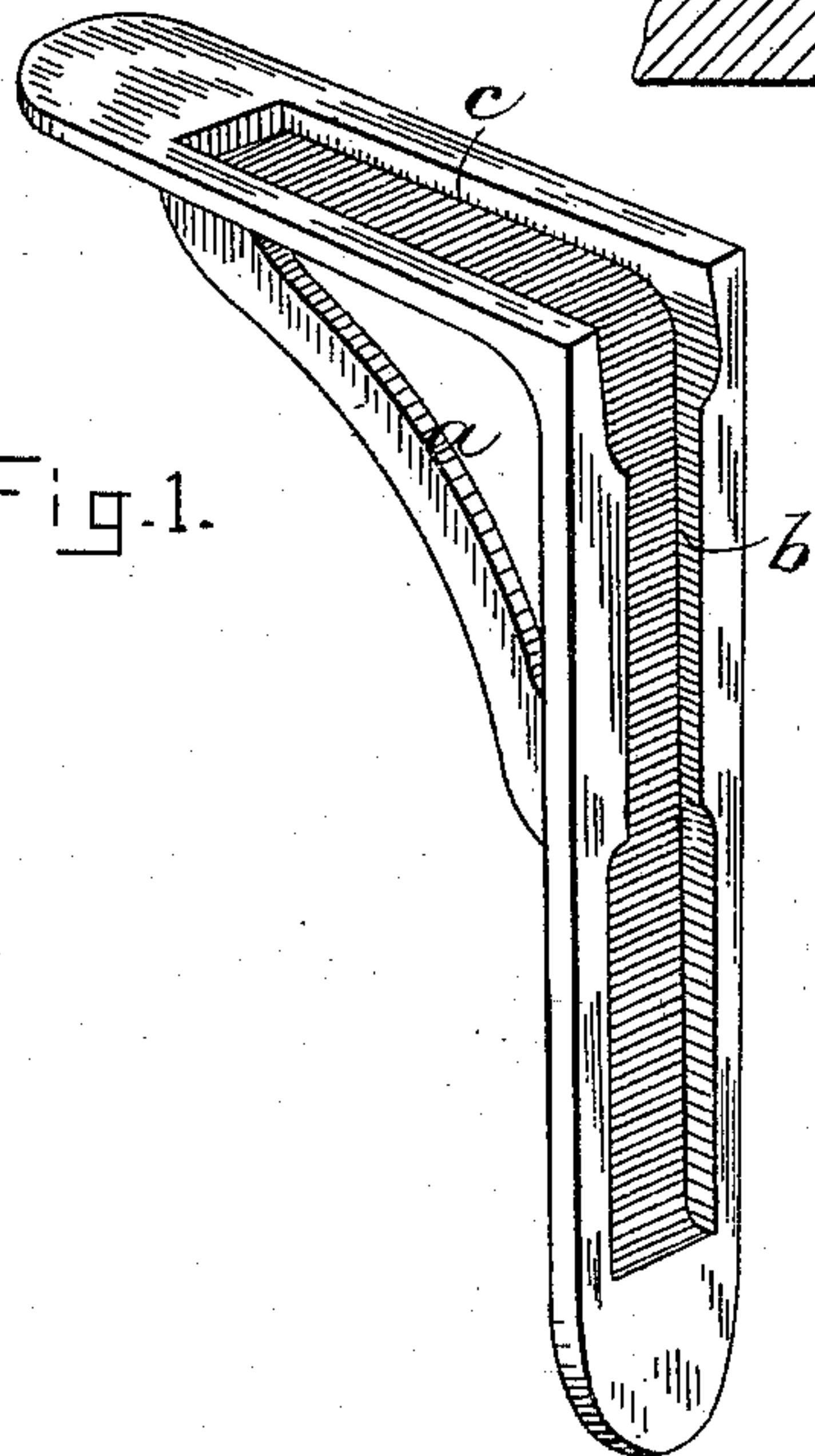


Fig. 2.

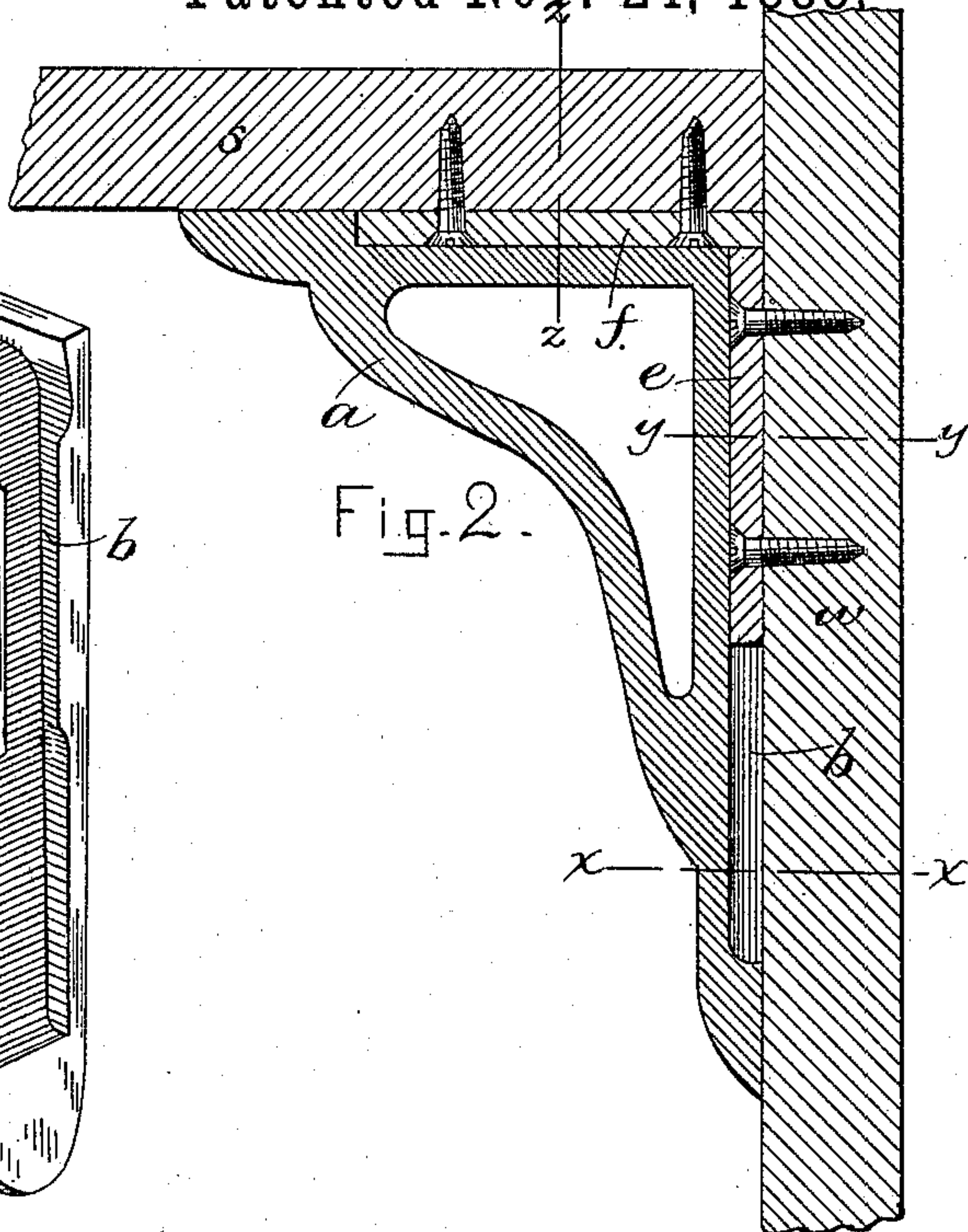


Fig. 6.

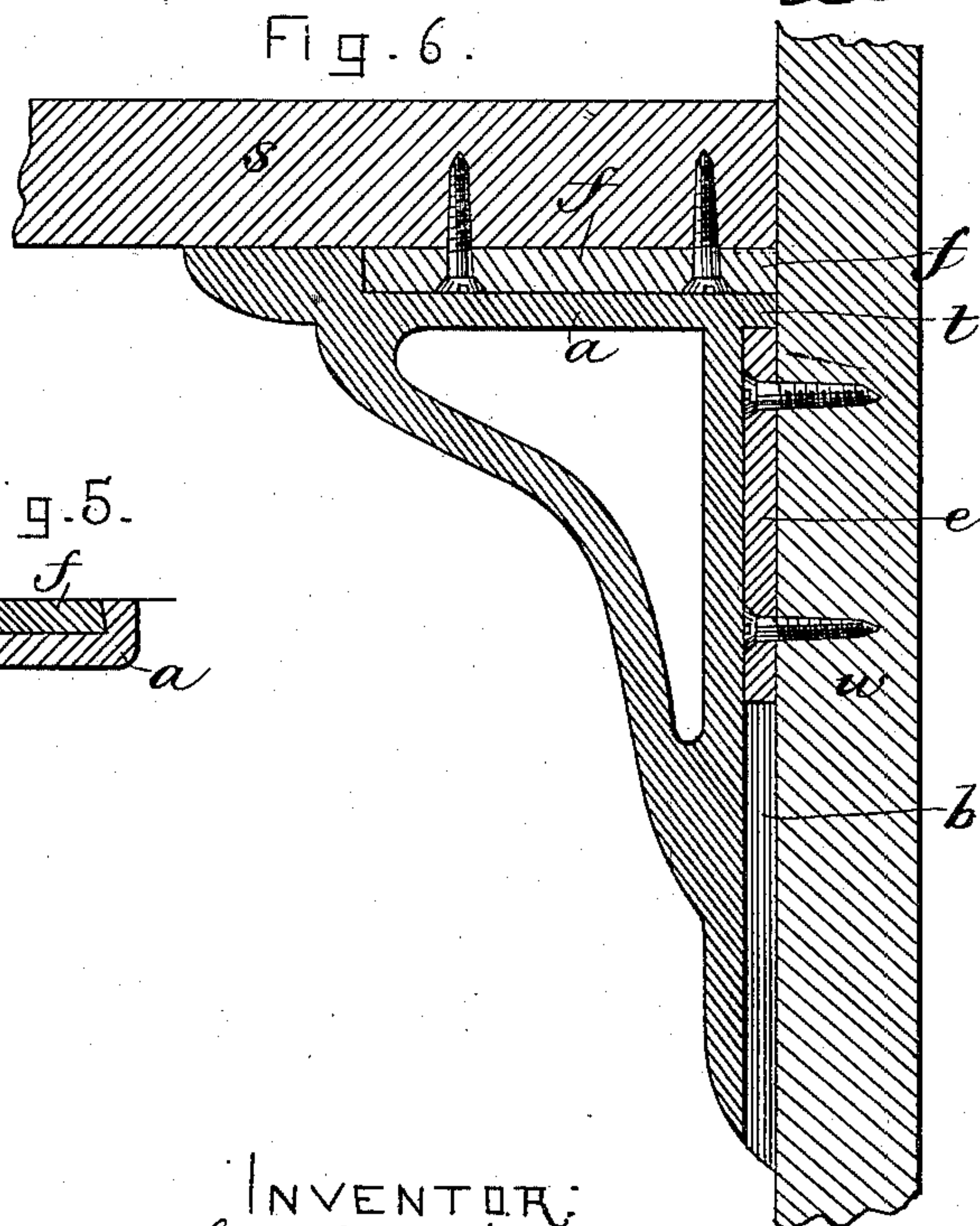


Fig. 4.

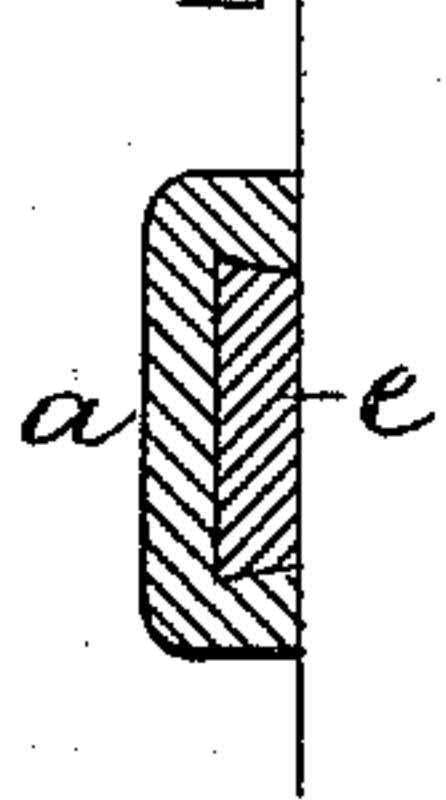


Fig. 3.

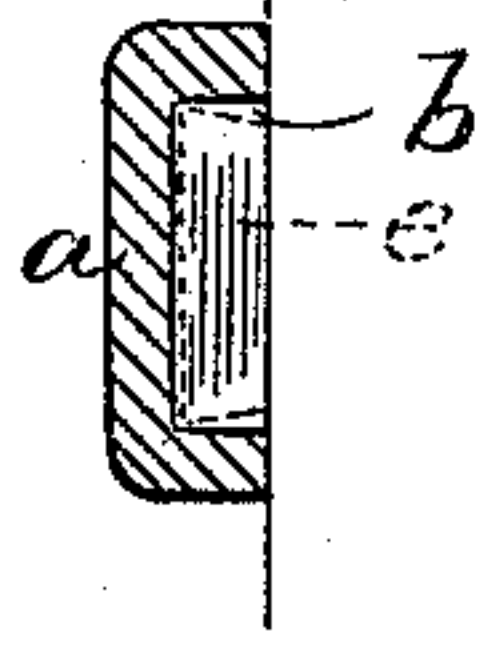
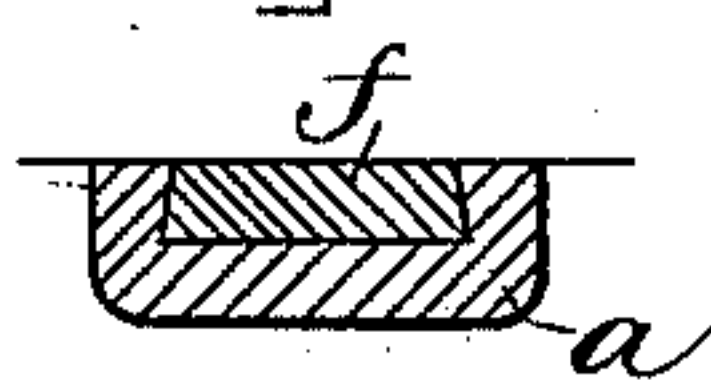


Fig. 5.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

GEORGE B. N. DOW, OF MANCHESTER, NEW HAMPSHIRE, ASSIGNOR OF  
ONE-HALF TO WILLIAM COREY, OF SAME PLACE.

## BRACKET.

SPECIFICATION forming part of Letters Patent No. 331,187, dated November 24, 1885.

Application filed June 12, 1885. Serial No. 168,483. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE B. N. DOW, of Manchester, in the county of Hillsborough and State of New Hampshire, have invented certain new and useful Improvements in Brackets, of which the following is a specification.

This invention has for its object to provide means whereby a shelf-supporting bracket may be secured to the wall or support and to the shelf by concealed fastenings or devices, that are previously applied permanently to the wall and shelf, so that the external surface of the bracket is not marred by screw-heads, and the bracket can be readily applied and removed.

To these ends the invention consists in a bracket having dovetail grooves formed in its surfaces, which bear against the shelf and wall, and in the combination with the grooved bracket, of dovetail pieces or blocks rigidly affixed to the shelf and wall, and formed to fit in said grooves, one of said blocks securing the bracket detachably to the shelf, while the other secures the bracket detachably to the wall and serves as a support for the bracket and shelf, as I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a perspective view of my improved bracket. Fig. 2 represents a vertical section of the bracket and parts of the wall and shelf. Figs. 3, 4, and 5 represent, respectively, sections on lines *x x*, *y y*, and *z z*, Fig. 2. Fig. 6 represents a sectional view of a modification.

The same letters of reference indicate the same parts in all the figures.

In the drawings, *a* represents my improved bracket, having in its rear and upper surfaces grooves *b c*, the sides of which are of dovetail form, as shown in Figs. 4 and 5, excepting the lower portion of the groove *b*, which is widened, as shown in Figs. 1 and 3, for a purpose hereinafter explained.

*e* and *f* represent metal blocks attached, respectively, to the wall or other vertical support to which the bracket is to be applied and to the under side of the shelf *s*, to be supported by the bracket. Said blocks are formed to fit closely the grooves *b c*, and when they are in place in said grooves they secure the bracket to the shelf and wall. The bracket is first applied to the block *f*, on the shelf, and is then applied to the block *e*.

I prefer to make the lower portion of the

groove *b* wider than its upper portion, as shown in Fig. 1, the wider portion being formed to allow the bracket to be moved inwardly or horizontally, for the purpose of inserting the block *e* in the groove. By a downward movement of the bracket after its wider portion has received the block *e*, the dovetail portion of said groove is moved onto said block, and caused to fit it closely, so that the bracket cannot be separated from the wall excepting by an upward movement.

In the form shown in Figs. 1 and 2 the block *f* on the shelf bears at its inner end against the upper end of the block *e*, the latter thus supporting the bracket. If desired, however, the upper end of the groove *b* may terminate below the groove *c*, as shown in Fig. 6, a shoulder, *t*, being thus formed on the bracket to bear against the upper end of the block *e*.

The groove *b* may be extended to the lower end of the bracket, as shown in Fig. 6, in which case the enlargement of the groove shown in Fig. 1 will not be required.

It will be seen that the described improvements enable the bracket to be easily applied and removed, and constitute a secure connection, besides making the bracket more desirable in appearance.

My improvement may be applied to brackets or analogous devices of various forms for detachably connecting different parts—for example, parts of buildings, &c.

I claim—

1. A bracket having grooves *b c*, formed to receive blocks affixed to the parts to be connected by the bracket, as set forth.

2. A bracket having in one of its bearing-surfaces a groove, *c*, and in its other bearing-surface a groove, *b*, the lower portion of which is widened, as set forth.

3. The combination of a bracket having grooves *b c*, with blocks *e f*, adapted for attachment to the parts to be connected by said bracket and formed to closely fit the grooves *b c*, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 2d day of June, 1885.

GEORGE B. N. DOW.

Witnesses:

THOMAS D. LUCE,  
CHAS. A. LUCE.