

(No Model.)

F. LOMBARD & W. L. MAYNARD.
SHELF BRACKET.

No. 587,101.

Patented July 27, 1897.

Fig. 2.

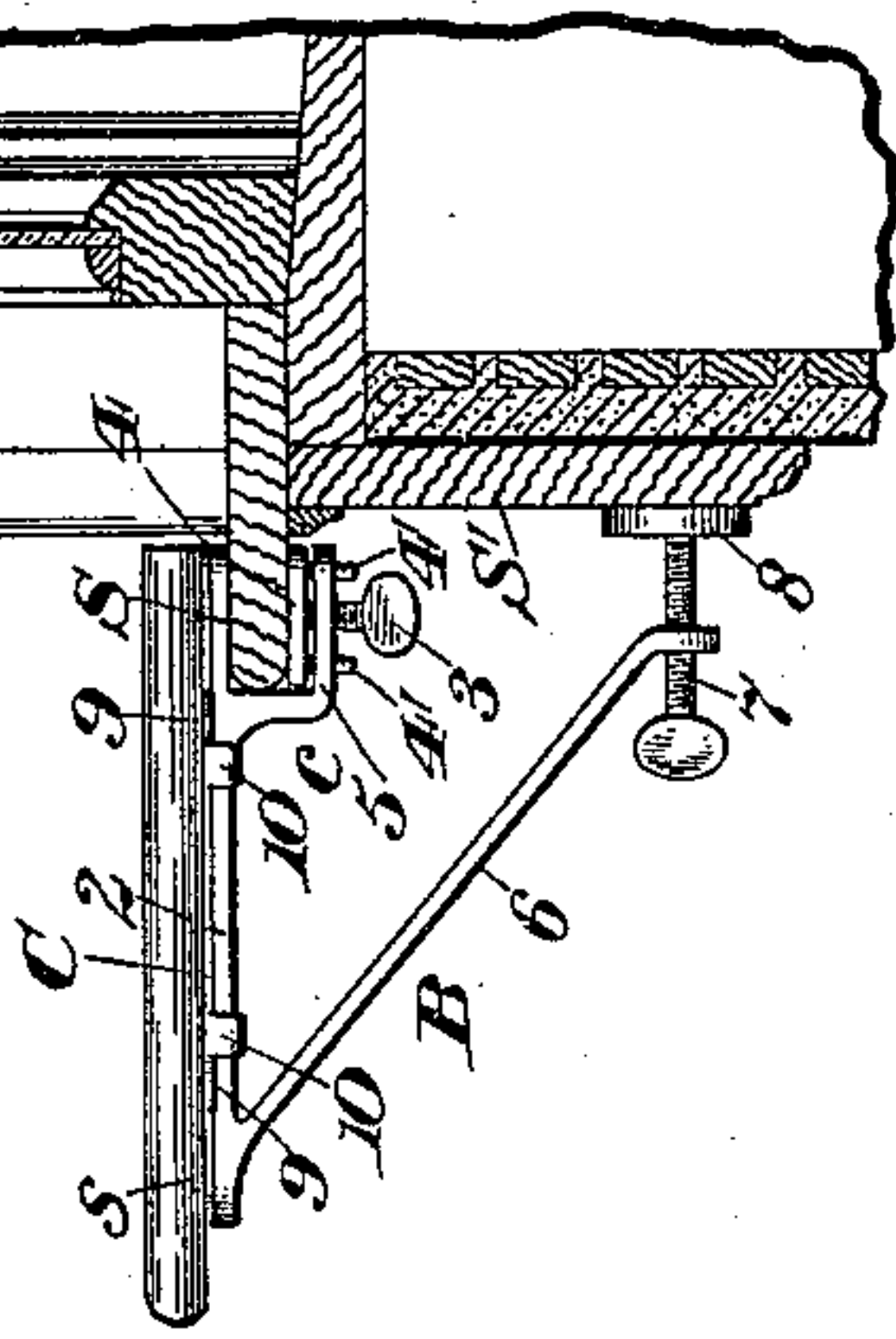
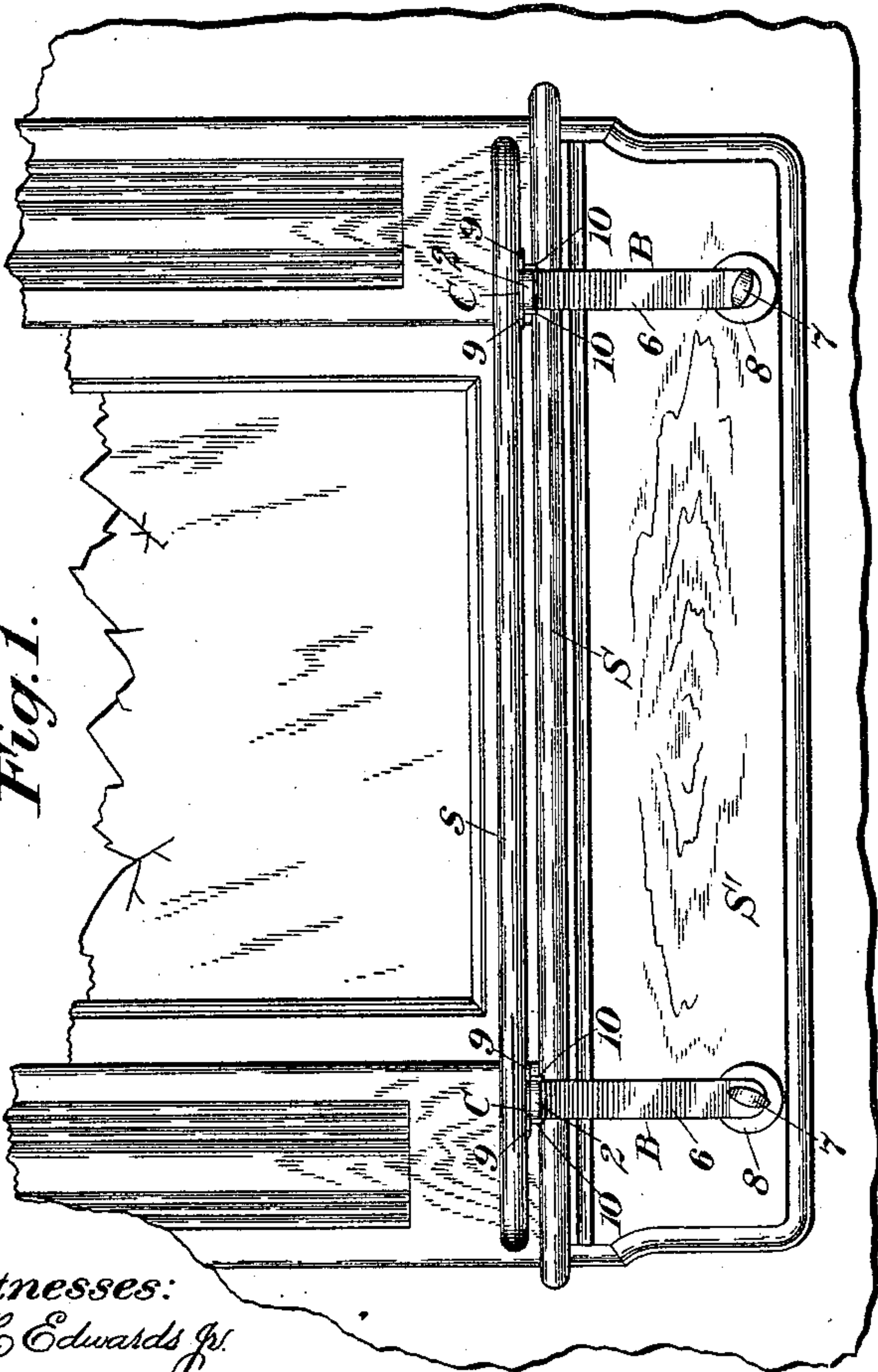


Fig. 1.



Witnesses:
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Fig. 5.

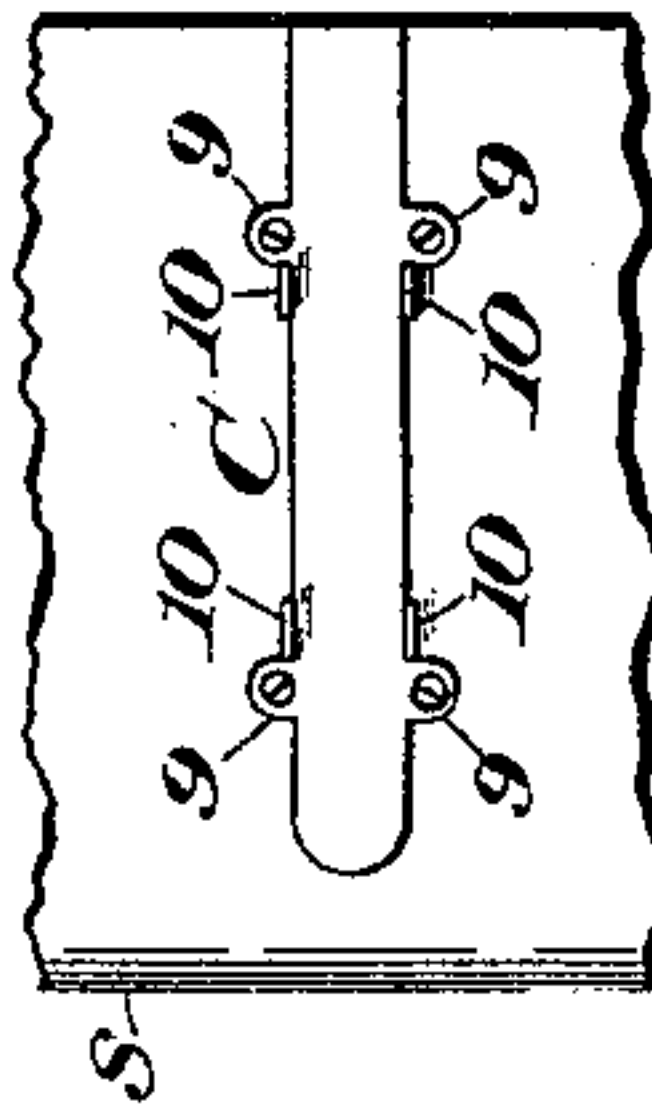


Fig. 4.

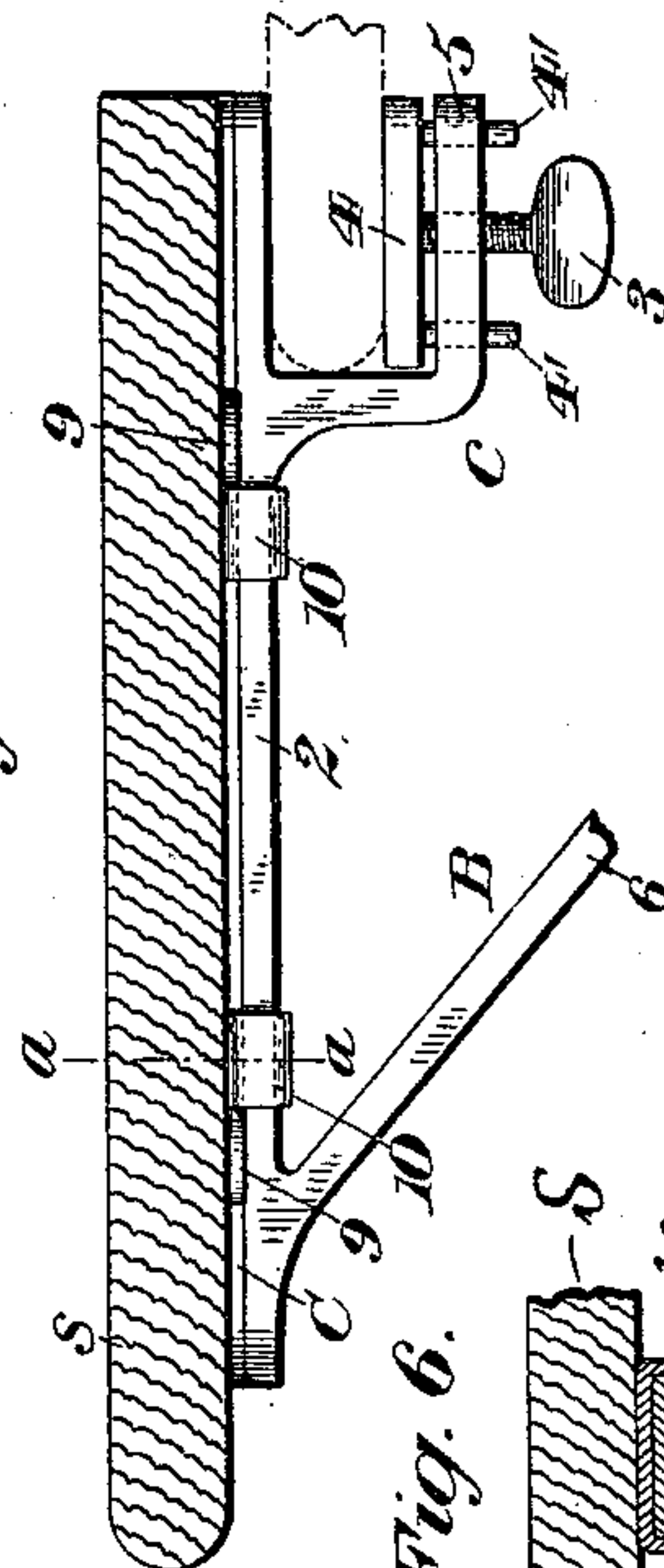


Fig. 3.

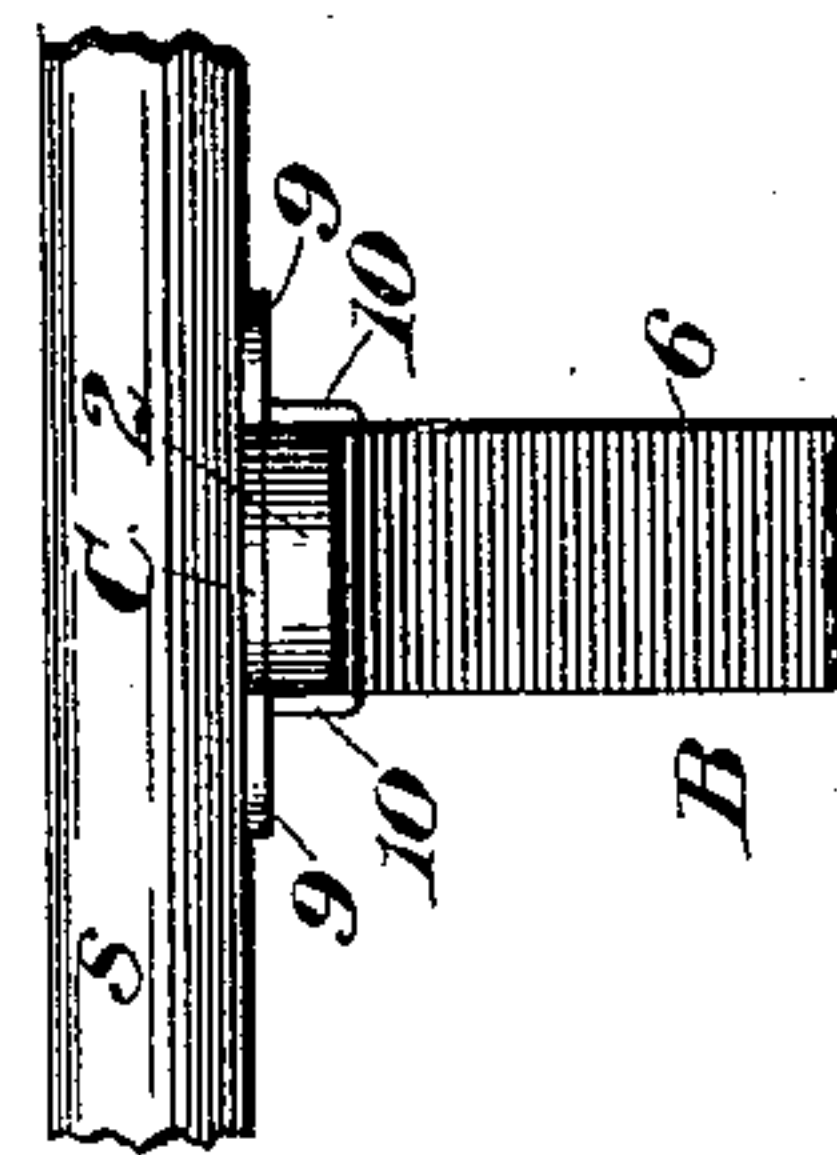
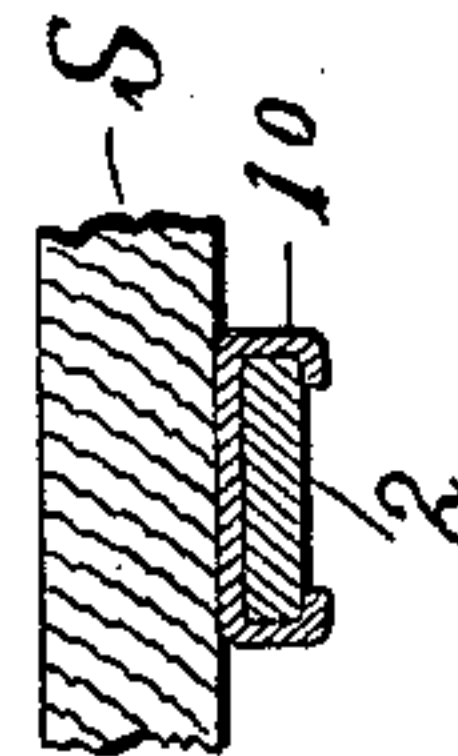


Fig. 6.



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UNITED STATES PATENT OFFICE.

FRANK LOMBARD AND WILLIAM L. MAYNARD, OF HARTFORD,
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SHELF-BRACKET.

SPECIFICATION forming part of Letters Patent No. 587,101, dated July 27, 1897.

Application filed January 12, 1897. Serial No. 618,953. (No model.)

To all whom it may concern:

Be it known that we, FRANK LOMBARD and WILLIAM L. MAYNARD, citizens of the United States, residing at Hartford, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Shelf-Brackets, of which the following is a specification.

This invention relates to improvements in shelf-brackets; and it has for its main object the provision of an improved device of this character in which the bracket may be secured to the shelf more easily than at present and without being attached by the usual screws or nails for holding the same in place.

In carrying out our invention we employ in connection with a bracket, which may be of the usual construction, some suitable bracket-holding means that may be secured to a shelf in the desired position and afterward brought into engagement with the bracket, so as to hold the latter.

In the preferred construction this bracket-holding means will be in the form of a clip made in one piece of sheet metal, the main features of which will be a body portion that may be screwed or nailed to the shelf, and projecting members or ears located at the proper points and of suitable size for engaging and holding the bracket when the latter is brought into position between such ears. These projections should be so formed that they may be easily pressed against or hammered against the under side of the shelf of the bracket and clenched around the side edges thereof.

The clips should be constructed of such material as to permit these ears to be readily unclenched and the bracket removed therefrom without impairing the usefulness of the clip itself.

In the drawings accompanying and forming part of this specification, Figure 1 is a front elevation of the lower portion of a window-frame, showing two of our improved shelf-brackets applied thereto for supporting a window-shelf. Fig. 2 is a central vertical section of the same. Fig. 3 is an enlarged detail front elevation of a portion of our improved shelf-bracket, showing the manner in which the clip is secured to the shelf and the bracket to

the clip. Fig. 4 is an enlarged detail sectional elevation corresponding to Fig. 2. Fig. 5 is an under side view of a portion of the shelf, showing the clip secured thereto; and Fig. 6 is a detail sectional view illustrating the manner in which the clip and the bracket are connected, the section being taken in line *a a*, Fig. 4.

Similar characters designate like parts in all the figures of the drawings.

S designates in a general way the upper sill of a window-frame to which the bracket is intended to be secured, and *S'* designates the apron depending from said sill and against which the stays of the brackets may bear.

In the present case we have shown a pair of brackets secured to the sill *S*, and as both of these are identical in construction and operation a description of one will be considered sufficient for both.

The bracket proper may be of any usual or suitable construction, but in the present case we have illustrated at *B* a bracket in which the supporting member or shelf thereof has at its rear end a clamping device for engaging the sill of the window-frame, while the stay-rod of the bracket has at its lower end an adjustable stop, by means of which the outer end of the shelf-bracket may be raised or lowered to position the shelf *s* in an exact horizontal plane.

The shelf-bracket is designated by 2, while the clamp at the rear end thereof is indicated in a general way by *c*. This clamp is formed in the present instance by the bifurcated or forked end of the shelf 2 of the bracket and by a suitable clamp-screw and clamp-plate working in the lower arm of the fork.

The clamp-screw is indicated at 3 and the clamp-plate is designated by 4, this latter having a pair of guide-pins 4', adapted to work in corresponding apertures in the lower arm 5 of the fork.

The stay-rod 6 has at its lower end a screw-threaded opening through which passes an adjusting-screw 7, carrying at its end a stop 8, adapted to engage the apron *S'*, to thereby raise or lower the forward end of the bracket.

As before stated, the bracket *B* is not intended to be secured directly to the window-

shelf, but will be secured thereto by suitable bracket-holding means secured to such shelf and having projections for engaging the bracket. The clip which we prefer to employ for this purpose is shown at C, Fig. 5, and is in the nature of a strip or plate of sheet metal having suitable means for attachment to the wooden shelf. In the present case it is secured to the shelf by means of screws passing through corresponding screw-holes in laterally-projecting ears 9. This metallic strip also has depending members or ears 10, (in this case four in number,) which are so positioned as to receive between them the shelf 2 of the bracket B and hold the same snugly in position, these ears being turned in by means of a hammer or similar tool when the bracket is in position in order to engage the under side of the shelf of the bracket and thereby secure the window-shelf to the latter.

It will be obvious that by means of such a construction as has been described herein we are enabled to secure a shelf-bracket to the shelf that it is designed to support without screwing the bracket directly to the shelf. This will be found to be a very advantageous arrangement, inasmuch as it is extremely difficult to manipulate the screws properly when the bracket is fastened to the shelf in the ordinary manner, as the stay-rod is in such a position as to prevent the proper use of a screw-driver. Moreover, it will be clear that with a

clip made of flexible sheet metal the bracket and the shelf may be disconnected at any time by simply spreading the ears 10. 35

In order to obtain a neat appearance of the device, the sheet-metal strip C will usually be stamped out so as to be of substantially the same contour as the shelf 2 of the bracket and so that the side edges of the two will be flush with each other, as will be evident by reference to the drawings and especially to Figs. 3 and 4. 40

Having described our invention, we claim— 45

A two-part separable shelf-bracket embodying two complementary members, one of which constitutes the bracket proper, and the other of which constitutes a bracket-holding plate adapted to be secured to a shelf, and is in contact with, and substantially of the same contour as, the shelf of the bracket proper, said plate having depending inturning ears at different points along its sides for engaging the under side of the shelf and securing the latter and the plate together; and means for fastening the bracket-holding plate directly to a shelf, to thereby permit the bracket as a whole to be secured fixedly to such shelf. 50 55

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