

(Model.)

J. A. WATERS.
CARPET FASTENER.

No. 305,869.

Patented Sept. 30, 1884.

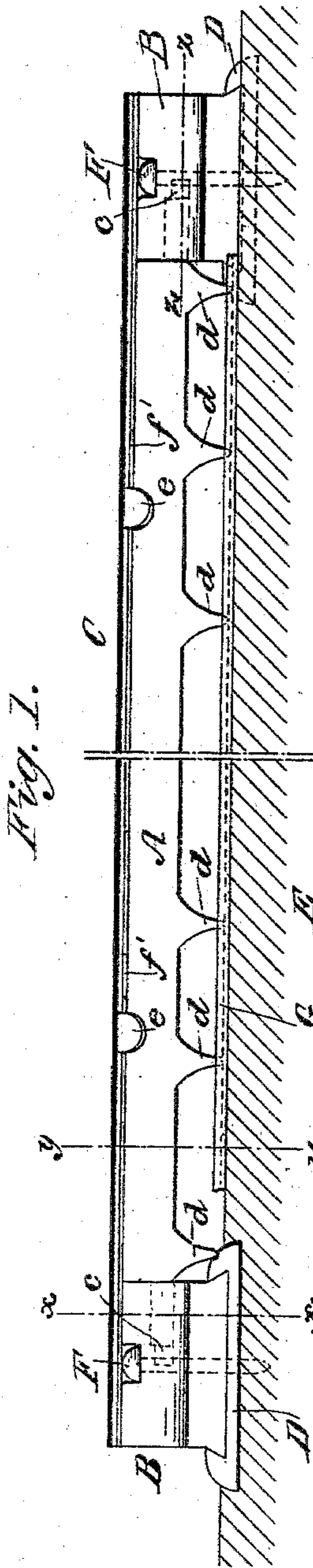


Fig. 1.

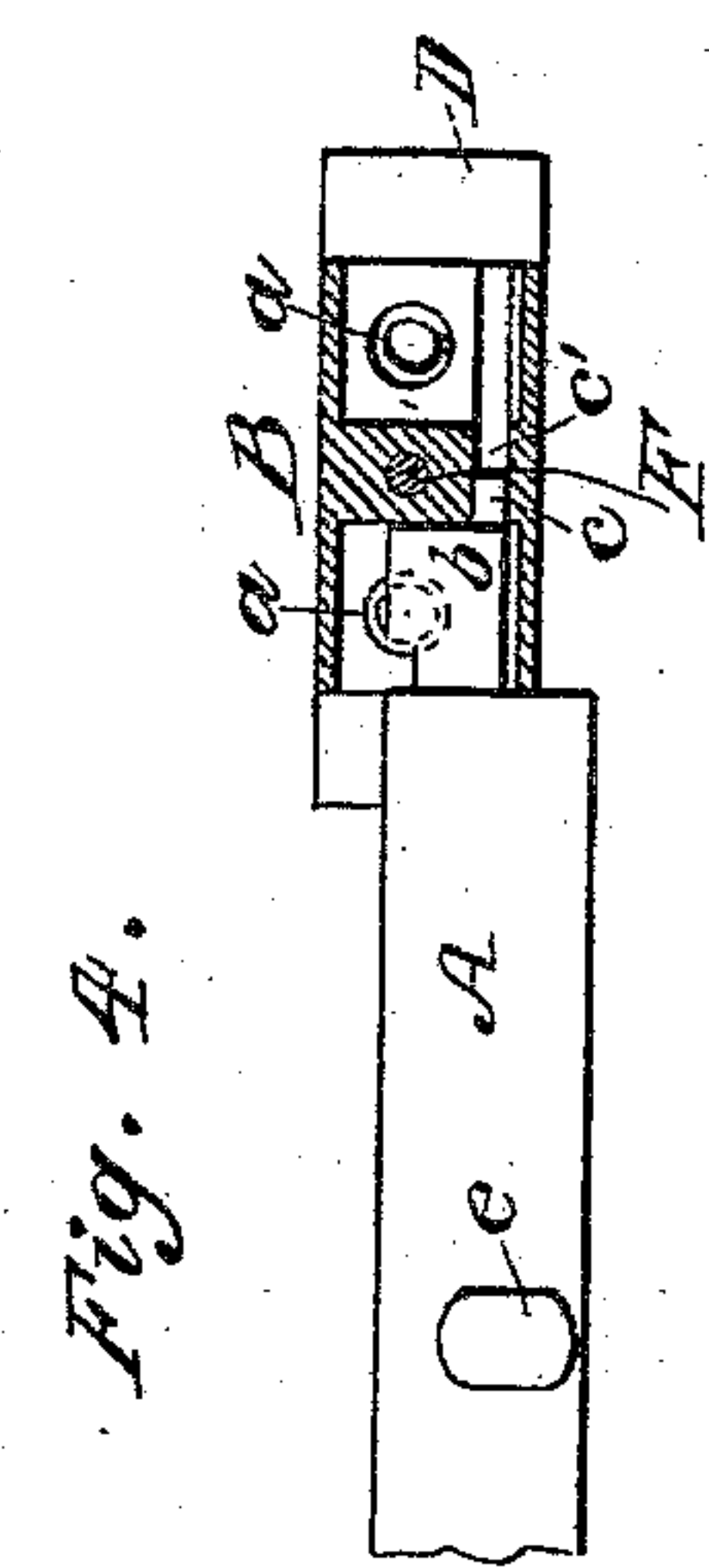


Fig. 4.

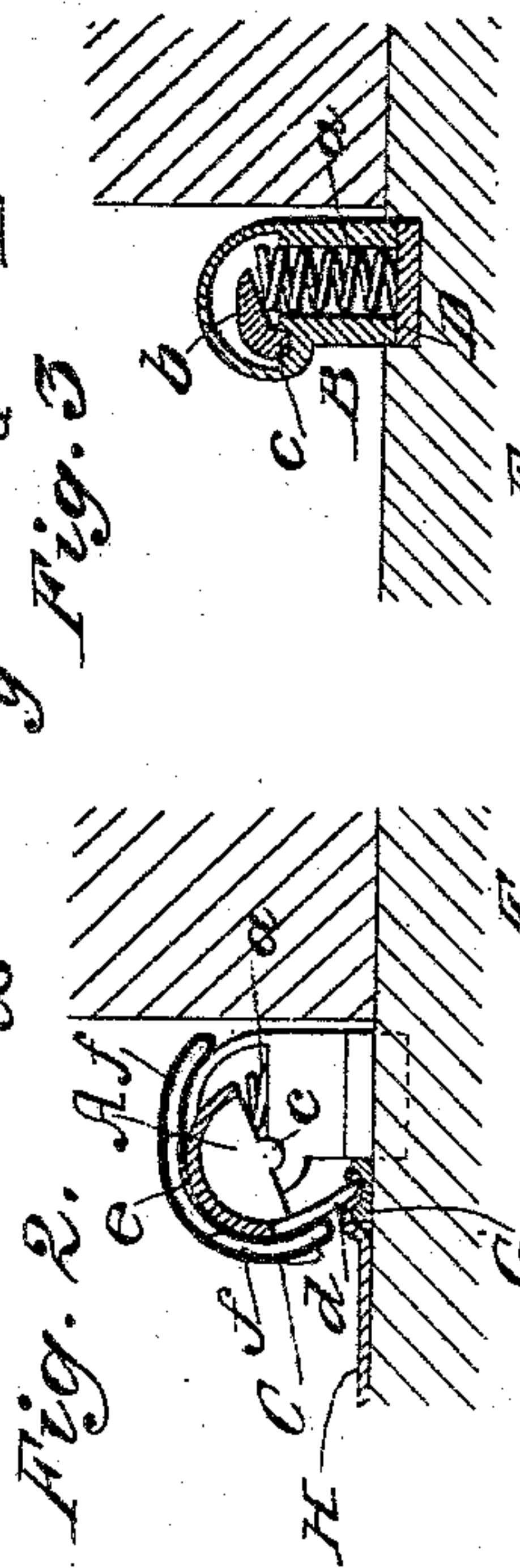


Fig. 2.

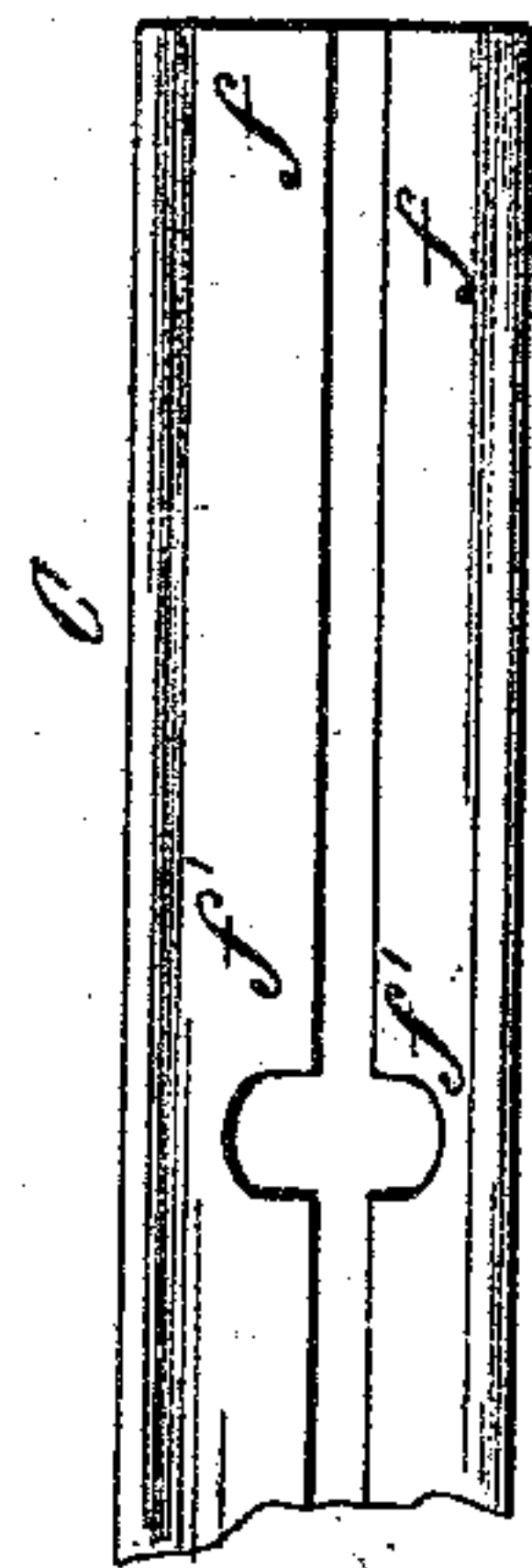


Fig. 5.

Fig. 6.

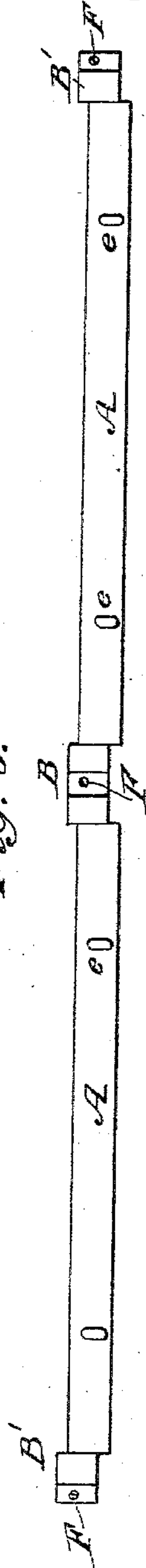
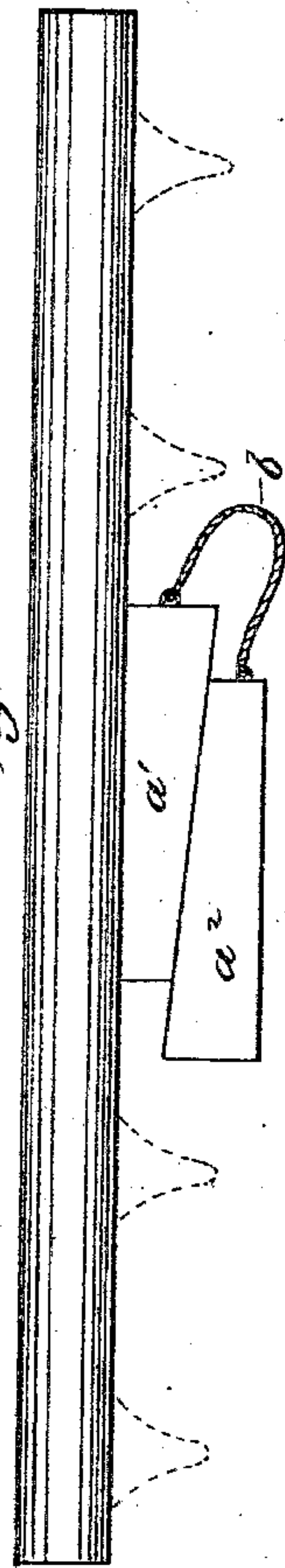


Fig. 3.



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UNITED STATES PATENT OFFICE.

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CARPET-FASTENER.

SPECIFICATION forming part of Letters Patent No. 305,869, dated September 30, 1884.

Application filed December 12, 1883. (Model.)

To all whom it may concern:

Be it known that I, JAMES A. WATERS, of the city, county, and State of New York, have invented a new and Improved Carpet-Fastener, of which the following is a full, clear, and exact description.

This invention seeks to provide a practical clamping device for holding carpets to floors, whereby the carpet may be held without injury, and may be easily taken up and replaced, avoiding the use of tacks, hooks, &c., which injure the carpet.

The invention consists, principally, of a carpet-holding device in which a hooked clamp-plate is employed, journaled in suitable blocks or standards, and acted upon by springs, for grasping and holding the edge of the carpet.

The invention also consists of a shield or covering combined with the device; also, of the construction of the holding blocks or standards, and of the construction, arrangement, and combination of the parts of the device, all as hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my new and improved carpet-fastener, the shield or covering being shown in section. Figs. 2 and 3 are transverse sectional elevations, Fig. 2 being on the lines *y y*, and Fig. 3 being on line *x x*, of Fig. 1. Fig. 4 is a sectional plan view taken on the line *z z* of Fig. 1. Fig. 5 is a detailed inverted plan view of a part of the shield or covering of the device, and Fig. 6 shows in plan view the method of attaching the device to the floor in sections, the shield being removed. Fig. 7 is a view of the wedge-blocks to be placed under the inner edge of the clamp while securing the carpet to the floor.

A represents the clamp-plates of the carpet fastening or holding device; B and B', the standards or blocks in which the plates A are held or journaled; and C represents the metallic shield or covering for the device.

The standards or blocks B B' are by preference attached to the dovetailed plates D, and both are adapted to be secured to the floor E by the screws F, or by other suitable fasten-

ings; and the said standards or blocks are provided with coiled springs *a*, held in suitable cavities, which springs act upon the lateral arms or shoulders *b*, formed upon the journal pins or pivots *c* of the clamp-plate A, as shown clearly in Figs. 3 and 4.

The clamp-plates A are by preference made semi-cylindrical in form, and formed at one edge with the series of hooks or teeth *d*, which are held constantly pressed down toward the floor (for engaging and holding the carpet) by the said springs *a*, acting beneath the said lateral arms *b*, the pivots *c* being journaled in the orifices *c'*, made in the blocks B B or B and B'.

The blocks or standards B are made double, to hold the adjacent ends of two clamp-plates A, while the blocks or standards B' are made single, to be used at the corners of the room and carpet for holding one end of a single clamp-plate A only.

The shield or cover C is made nearly semi-cylindrical in form, and is made in sections to cover the clamp-plates A and blocks or standards B B' after the carpet is put down, and it may be attached to the clamp-plate A by any suitable means; but I prefer to provide the clamp-plate A at suitable intervals with the buttons *e*, which set out slightly from the outer surfaces of the said clamp-plates, and to fold the shield or cover C to form the flanges *f f*, which are adapted to fit under the edges of said buttons, as shown in Fig. 2; and to enable the shield or cover C to be readily removed and replaced, I form the openings *f' f'* at suitable intervals along the edges of the flanges *f f*, which, when brought coincident with the buttons *e*, will permit the flanges to pass the edges of the buttons.

G is a strip of wood or iron, secured to the floor E in such manner relative to the position of the blocks or standards B B' that the hooks or teeth *d* of the clamp-plate A are adapted to rest upon it after grasping or passing through the edge of the carpet, H, as will be understood from Fig. 2, and this strip G is by preference concaved upon the upper surface to brace the points of the hooks or teeth *d* against the drawing action of the carpet.

In use the clamp-plates A and blocks B and B' (the latter being used in pairs at the corners)

will be placed around the room to be carpeted, and the carpet will then be placed upon the floor and its edges placed beneath the hooks or teeth of the clamp-plates A, which, owing to the action of the springs *a*, will hold the carpet securely in place. The shield or cover C will then be placed upon the plates A and blocks or standards B B', which conceal the plates and blocks, and the shield, being polished or gilded, causes the whole to present a rich and nice appearance.

To take up the carpet, it is only necessary to remove the shield or cover C and lift or turn the clamp-plates A upward, which will cause the hooks or teeth *d* to release the carpet and permit it to be drawn from under the said hooks or teeth.

In this manner it will be seen that by my invention the carpet may be very quickly and easily put down and taken up, and that it will be held by the clamp-plates without injury to the carpet, and that the device adds to the beauty of the room in which it is used.

The blocks or standards B B', instead of being attached to the floor, may be secured to the base-boards of the room and accomplish the same result. The inclined or wedge-shaped blocks *a'* *a''* are connected by a string or piece of wire, *b*, and are of about the length shown in the drawings, Fig. 7, and about one-half inch in width. These blocks are to be properly adjusted under the rear or inner edge of the clamp, thereby forming a wedge or resistance against any strain made upon the toothed

edge of the clamp which the springs might not be able to overcome, thus giving a fixed and immovable fastening for the carpet while securing it in place. The blocks can be placed in position through the space existing between said inner edge and the base-board of the room.

Having thus fully described my invention, I claim as new and desire to secure by Letters Patent—

1. The clamp-plate A, formed with the pivots *c* and lateral shoulders *b*, in combination with suitable blocks or standards and springs, *a*, arranged to act substantially as and for the purposes set forth.

2. The combination, with the block or standard B or B', and clamp-plate A, and suitable springs, of the plate D, upon which the block or standard is held, substantially as described.

3. The cover or shield C, having flanges *f*, in combination with the clamp-plate A, provided with the button *e*, substantially as and for the purposes set forth.

4. The flanges *f* of the cover or shield C, cut away, as at *f'*, in combination with the buttons *e*, secured upon the clamp *d*, substantially as and for the purpose set forth.

5. The combination, with the clamp-plate A, of the strip G, secured to the floor, substantially as and for the purposes set forth.

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Witnesses:

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