

(No Model.)

W. SONNEBORN.
CARPET FASTENER.

No. 597,514.

Patented Jan. 18, 1898.

Fig. 1.

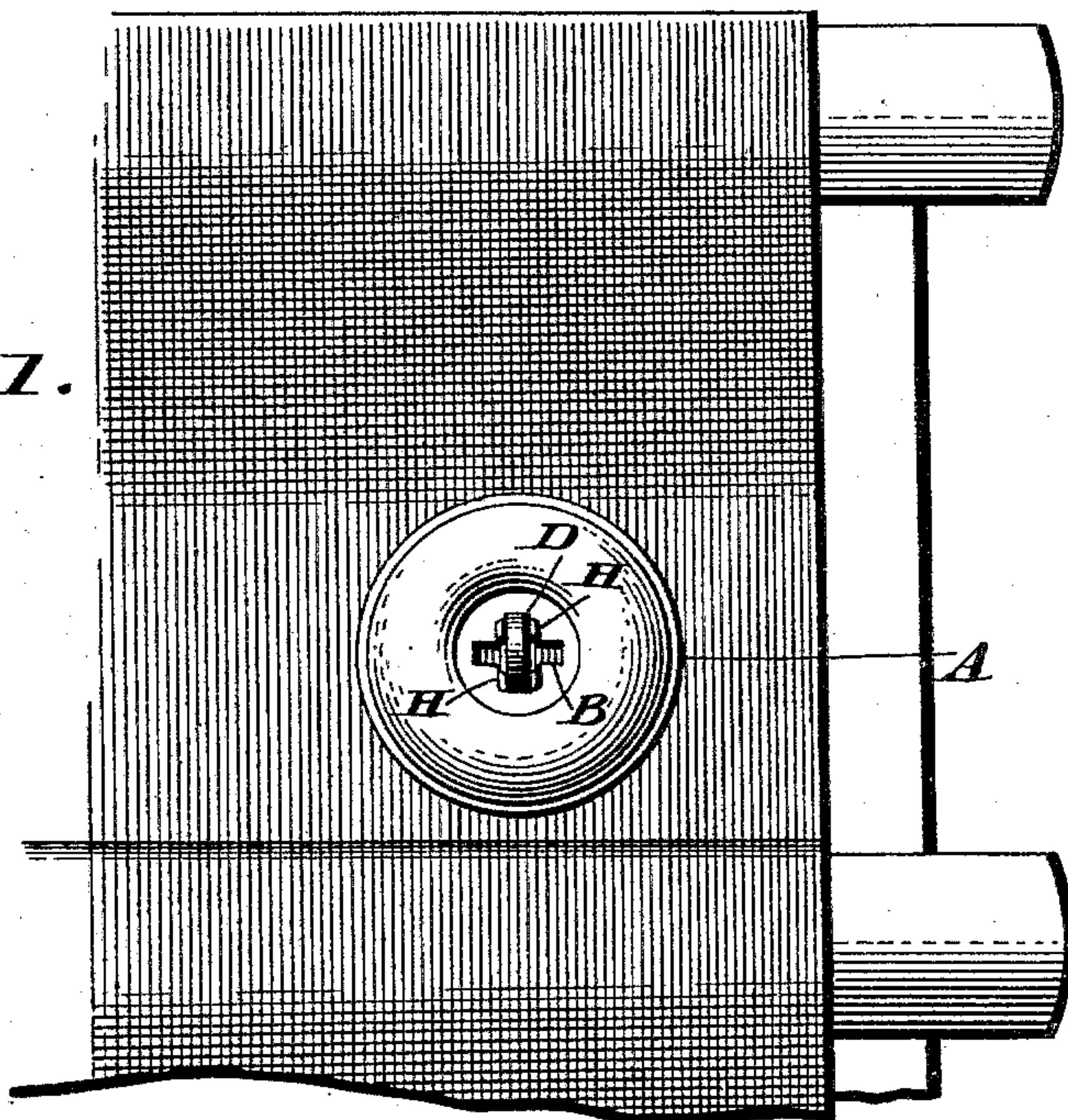


Fig. 2.

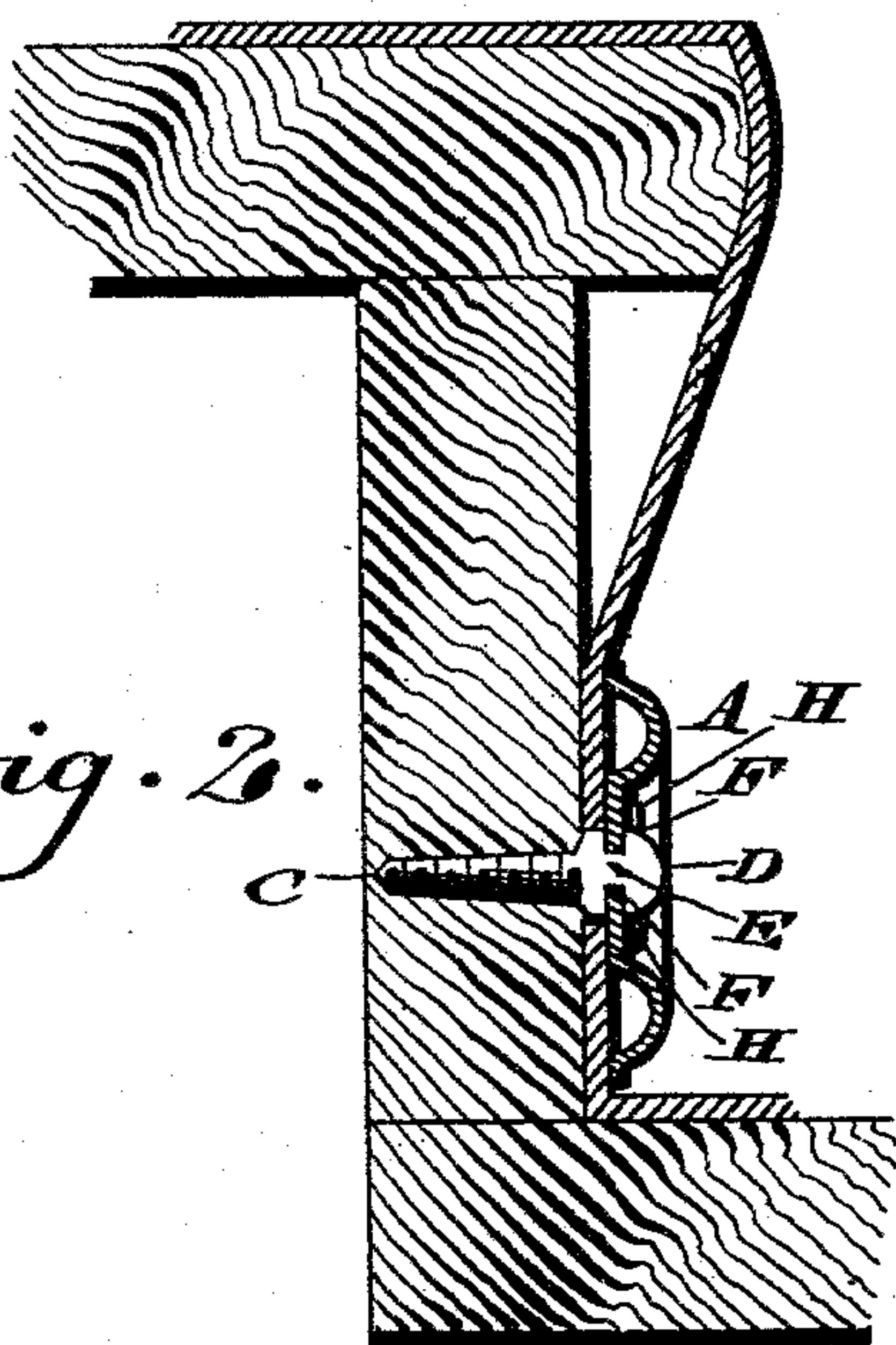


Fig. 3.

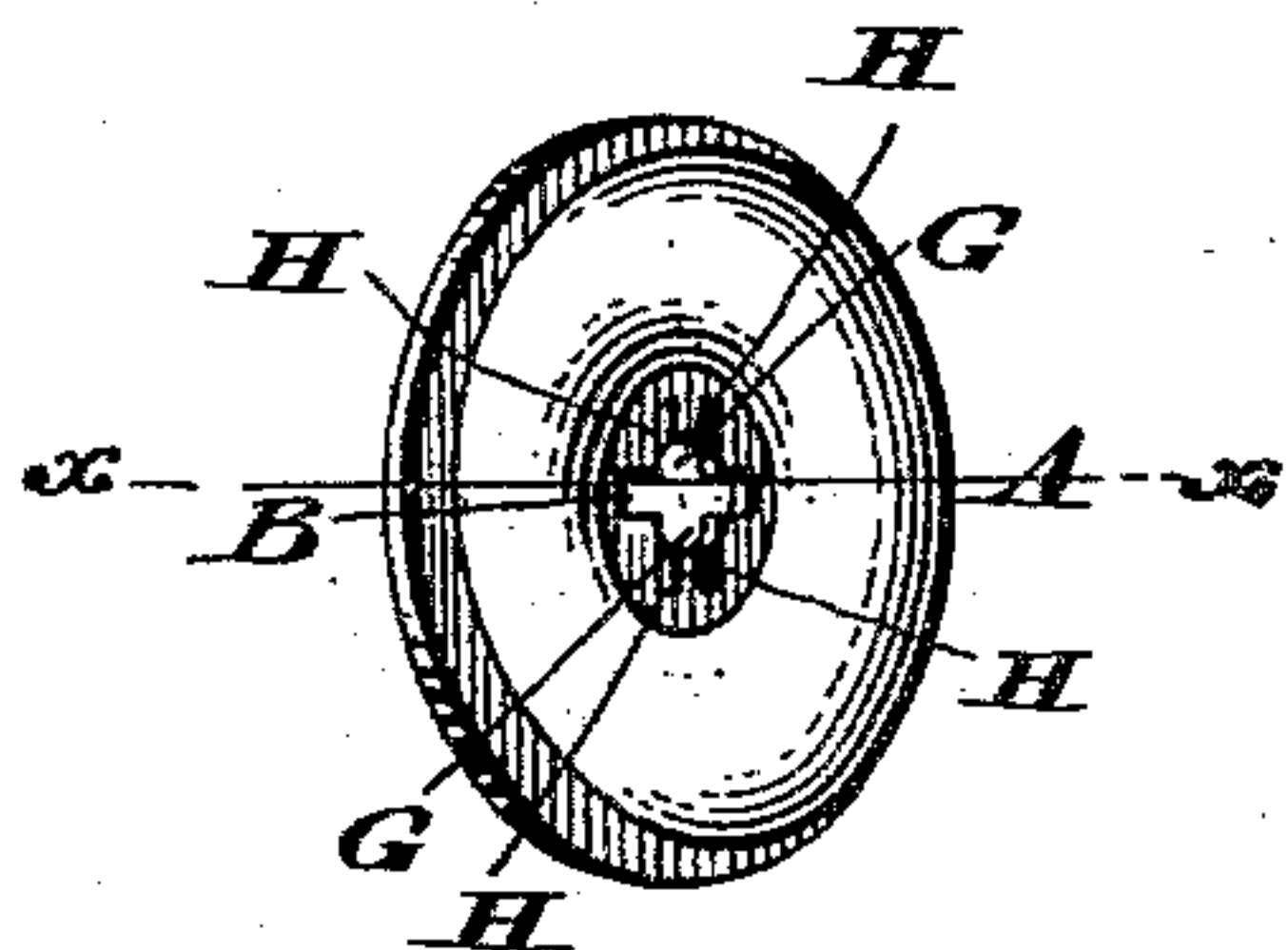


Fig. 4.

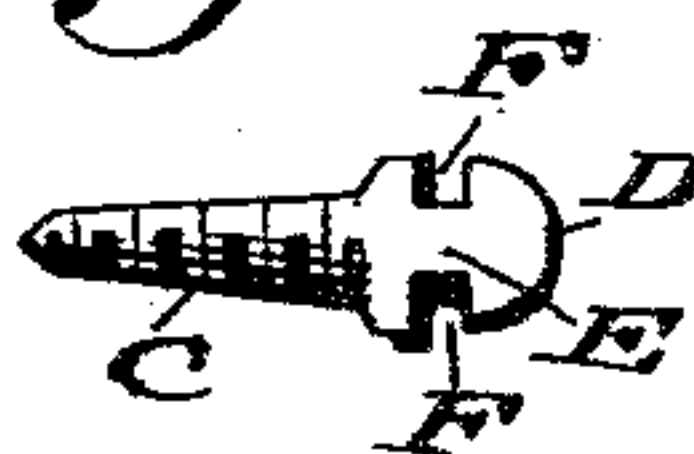


Fig. 5.



WITNESSES

P. H. Taggart.
L. Douville.

INVENTOR.
William Sonneborn.
BY
Niedersheim & Fairbanks.
ATTORNEYS

UNITED STATES PATENT OFFICE.

WILLIAM SONNEBORN, OF PHILADELPHIA, PENNSYLVANIA.

CARPET-FASTENER.

SPECIFICATION forming part of Letters Patent No. 597,514, dated January 18, 1898.

Application filed May 19, 1897. Serial No. 637,277. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM SONNEBORN, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Carpet-Fasteners, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a novel fastener for stair and other carpets, rugs, &c., the same consisting of a cap with a slot centrally therein and a screw or pin having a head which is provided with a neck, whereby when the cap is turned the head of the pin or screw extends transversely to said slot, thus holding the cap in position, said cap having depressed central and rim portions and a raised concentric portion between said rim and central depressed portions, the head of the screw or pin lying in the central depressed portion and substantially below the plane of the raised concentric portion, so that the cap presses firmly against the carpet or rug both at the central and rim portions, the rim portion being elastic, so as to yield, but exert a spring-pressure as the carpet or rug is deflected from the tread of the stairs to the nose of the tread above the same, thus keeping the carpet or rug stretched in the portion adjacent to the fastener.

Figure 1 represents a face view of a carpet-fastener embodying my invention. Fig. 2 represents a vertical section thereof. Fig. 3 represents a perspective view of part thereof. Fig. 4 represents a side elevation of another part thereof. Fig. 5 represents a section on line X X, Fig. 3.

Similar letters of reference indicate corresponding parts in the figures.

Referring to the drawings, A designates a cap, in the center of which is the slot B, the same being preferably of quadrilateral form.

C designates a screw having a head D, which is flattened or quadrilateral in form, so as to be capable of entering the slot B of the cap A, said head joining the shank of the screw and having a neck E, with slots F at the side thereof. The back of the central and rim portion of the cap are flat and substantially in the same plane, so that both of said portions press the carpet firmly against the contiguous portion of the riser or floor and pre-

vent any looseness of the carpet between the periphery and rim, and vice versa.

It will be noticed that the cap has depressed central and rim portions and a raised concentric portion between said central and rim portions, the head of the screw or pin lying in the central depressed portion and substantially below the plane of said raised concentric portion. This causes the cap to be held tightly against the carpet or rug at both the center and rim portions, while the rim portion is elastic and imparts a spring-pressure and yields where the carpet or rug is inclined or oblique as it extends from the tread to the nosing.

The operation is as follows: An opening is formed in the carpet, rug, &c., and the same passed back over the head of the screw. The cap is now presented to the screw, the slot B registering with the head thereof. The cap is then rotated a quarter-turn, whereby the walls of the slot B enter the slots F of the neck E, it being noticed that the under side of the head D overhangs the walls of the slot B, the head standing at a right angle to said slot, thus controlling the cap, which, being pressed firmly against the carpet, reliably fastens the same, owing to the flat back of the central and rim portions thereof. It is evident that by imparting a quarter-turn to the cap the head D registers with the slot B, whereby said cap is no longer controlled by the head D, and it may then be removed and the carpet drawn over the head of the neck and disconnected therefrom.

In order to prevent the wide part of the neck E from interfering with the rotation of the cap, the central portions of the sides of the slot E are recessed, as at G, thus widening said slot at its center and affording spaces for the entrance of the neck E, the same also serving to prevent shifting of the cap when in locked position on the screw.

Projecting from the face of the central portion of the cap at or about a right angle to the long sides of the slot B are the separated ridges H, over which the back of the head D rides when the cap is rotated and then drops into the spaces or depressions J, between said ridges, with a snap, thus more firmly holding the cap in position, preventing rotation thereof.

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

- 5 1. A carpet-fastener consisting of a cap having depressed central and rim portions, a central slot, and a raised concentric portion between said central and rim portions, and a screw or pin having a head lying in the central depressed portion and substantially below the plane of the raised concentric portion.
- 10 2. A carpet-fastener consisting of a cap having depressed central and rim portions, a cen-

tral slot, and a raised concentric portion between said central and rim portions, and a screw or pin having a head lying in the central depressed portion and substantially below the plane of the raised concentric portion, the central depressed portion having ridges with an intervening depression on opposite walls of said slot.

WILLIAM SONNEBORN.

Witnesses:

JOHN A. WIEDERSHEIM,

WM. C. WIEDERSHEIM.