

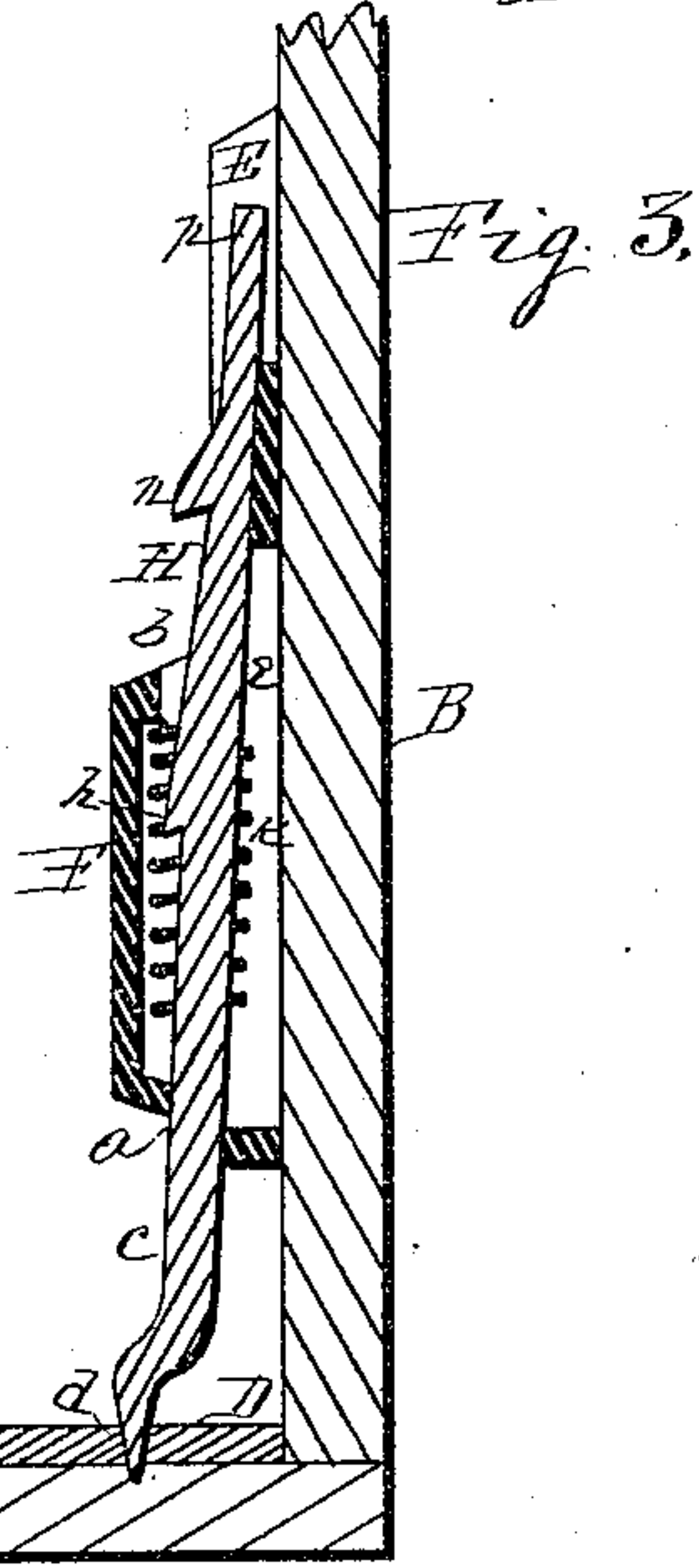
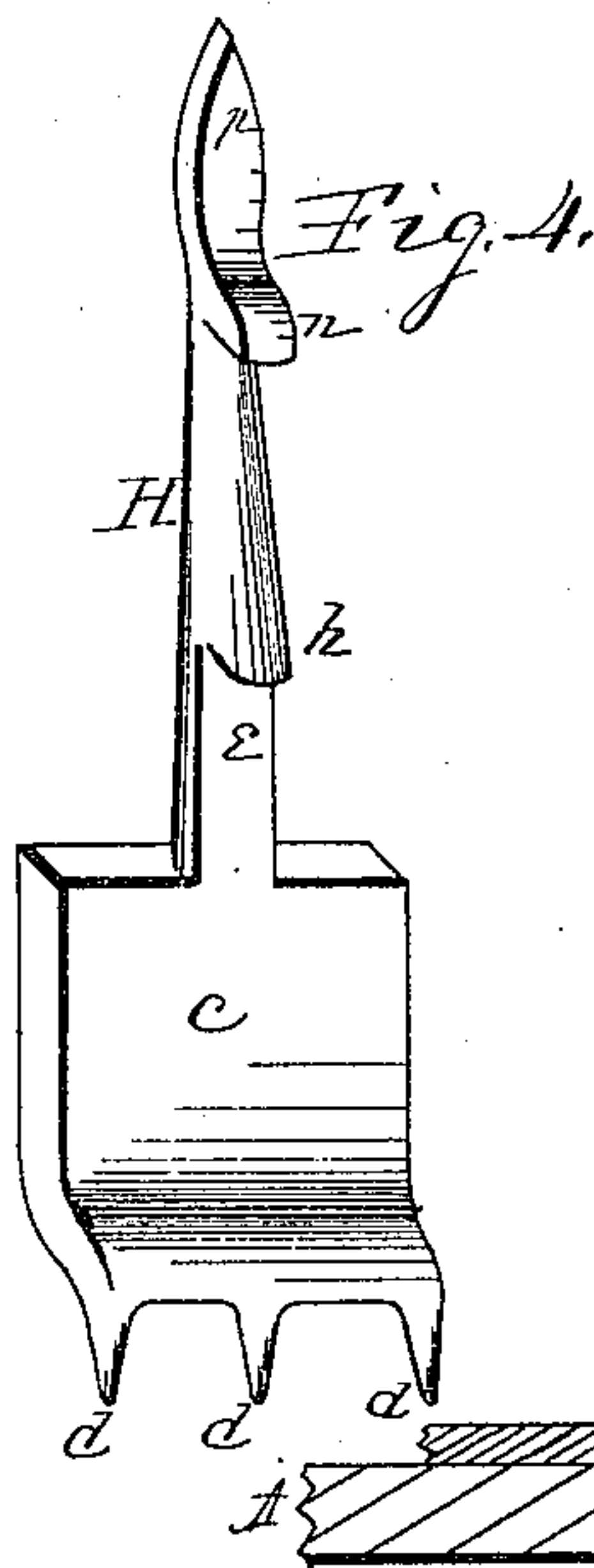
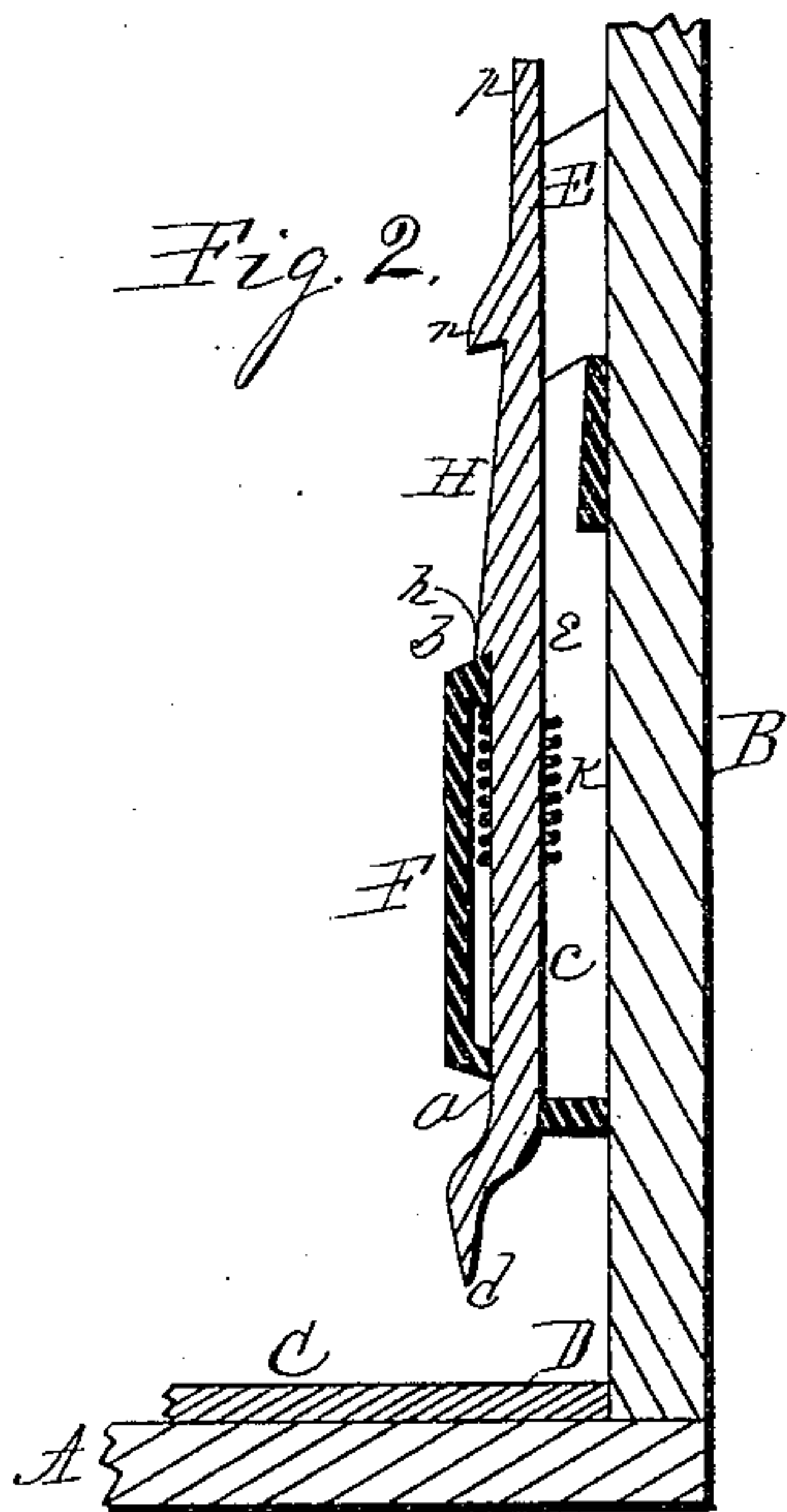
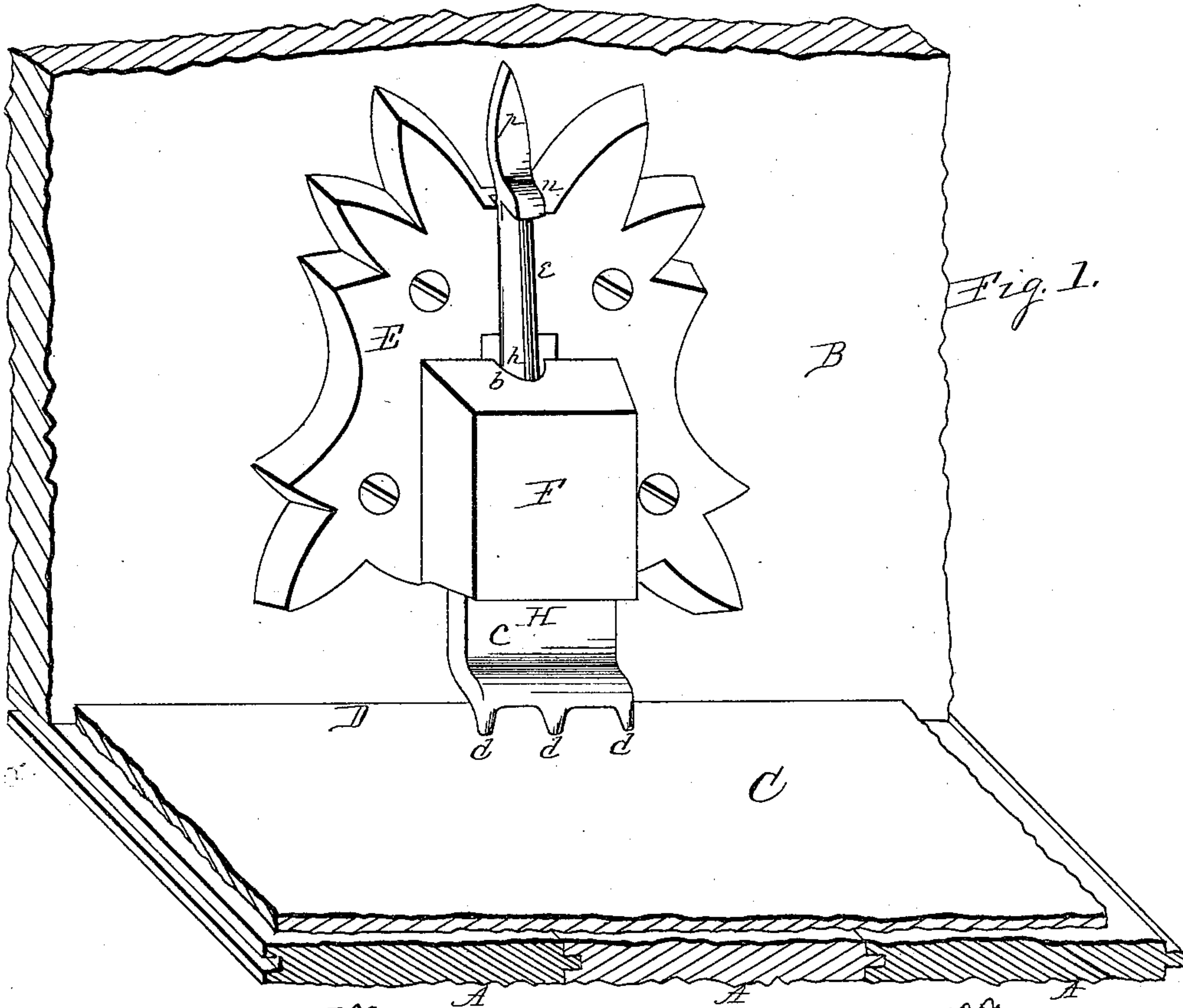
(No Model.)

L. A. NICKERSON & J. L. DUFRANE.

CARPET FASTENER.

No. 287,388.

Patented Oct. 23, 1883.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

LUKE A. NICKERSON AND JOHN L. DUFRANE, OF ROCKFORD, ILLINOIS.

## CARPET-FASTENER.

SPECIFICATION forming part of Letters Patent No. 287,388, dated October 23, 1883.

Application filed May 9, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, LUKE A. NICKERSON and JOHN L. DUFRANE, citizens of the United States, residing in the city of Rockford, in the county of Winnebago and State of Illinois, have invented a new and useful Carpet-Fastener, of which the following is a specification.

This invention relates to fixing the edges of carpets in place when spread upon the floor and suitably stretched; and its object is to provide a device by means of which the carpet may readily be fixed in place, removed and replaced as often as may be desired, without changing or removing the fastening; and it consists of a spring-actuated bolt-like fastening suitably incased, and adapted to be fixed to the wall or base-board of the apartment at proper intervals. For this purpose we have designed and constructed the fastening represented in the accompanying drawings, in which—

Figure 1 is an isometrical representation of our improved fastening as employed in use. Fig. 2 is a central vertical section fixed in place and in position to receive the carpet, and Fig. 3 is a central vertical section with the carpet fixed in place. Fig. 4 is an isometrical representation of the tooth-bolt.

In the figures, A represents a portion of the floor of an apartment; B, a portion of a carpet spread upon the floor, having its edge D placed against the base-board B.

At E is represented the bed-plate of our improved fastening, consisting of a metallic plate, (in this instance of cast-iron,) which may be produced in any convenient or desirable outline form, adapted to receive or contain the operative parts. This bed-plate is constructed with an outward-projecting box-like portion, F, rising centrally from the lower portion of its outer face, and having its lower end of open form, as at *a*, to receive a spring-actuated holding-bolt, and its upper end provided with a central opening, *b*, to receive the stem portion of the bolt.

At H is represented the spring-actuated holding-bolt, having its lower end portion, *c*, of plate form, of proper dimensions to enter and move freely endwise in the end opening, *a*, in the box F of the bed-plate. This spring-actu-

ated bolt is provided with teeth *d*, depending from its lower end, to pass through the carpet and enter the floor beneath it to securely fix the carpet in place.

At *e* is represented the shank or stem portion of the holding-bolt, provided about midway of its length with a hook-detent, *h*, to engage the outer surface of the upper end of the box-case F when the holding-bolt is raised. This stem portion of the holding-bolt between the hook-detent *h* and its plate end portion, *c*, is provided with a spring, *k*, surrounding the stem within the box-case F in such a manner that its spring action shall operate to project the bolt downward in the direction of its length. The upper end of the stem *e* of the bolt is provided with a hook portion, *n*, by means of which, in connection with a suitable hand implement, of hook or other suitable form, the bolt may be raised against the action of the spring to cause the detent-hook *h* to engage the upper outer surface of the box-case to hold the bolt in its elevated position, and from which it may be released by pressing the upper end, *p*, of the stem inward.

In use our improved carpet-fasteners are placed at suitable intervals on the base-boards of the apartment, in such position thereon that when the holding-bolt is raised and held in its elevated position by means of the hook-detent there will be sufficient room between the points of the teeth of the bolt and the floor to freely admit the carpet. In this position, at proper intervals, as above, the fasteners are fixed in place by suitable screws, *t*, passed through the bed-plate into the base-board.

With our improved fasteners in position, as above described, the carpet is placed upon the floor, and its edge is passed under the teeth of the fastener in position against the base-board. The upper end, *p*, of the bolt is then pressed backward to disengage the hook-detent *h*, and permit the bolt to descend, impelled by the action of the spring, to force the teeth thereof through the carpet into the floor beneath it to fix it in place. To remove the carpet, it will only require that the bolt be raised to cause the detent-hook to engage the case, as hereinbefore described.

We claim as our invention—

1. In a carpet-fastener, the combination, with a suitable case to be fixed to the base of the compartment-walls, of a spring-actuated endwise-moving toothed bolt to engage the  
5 carpet, substantially as and for the purpose set forth.

2. The herein-described spring-actuated bolt, in combination with a suitable case, said

bolt provided with a detent to engage the case, substantially in the manner and for the purpose set forth. 10

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