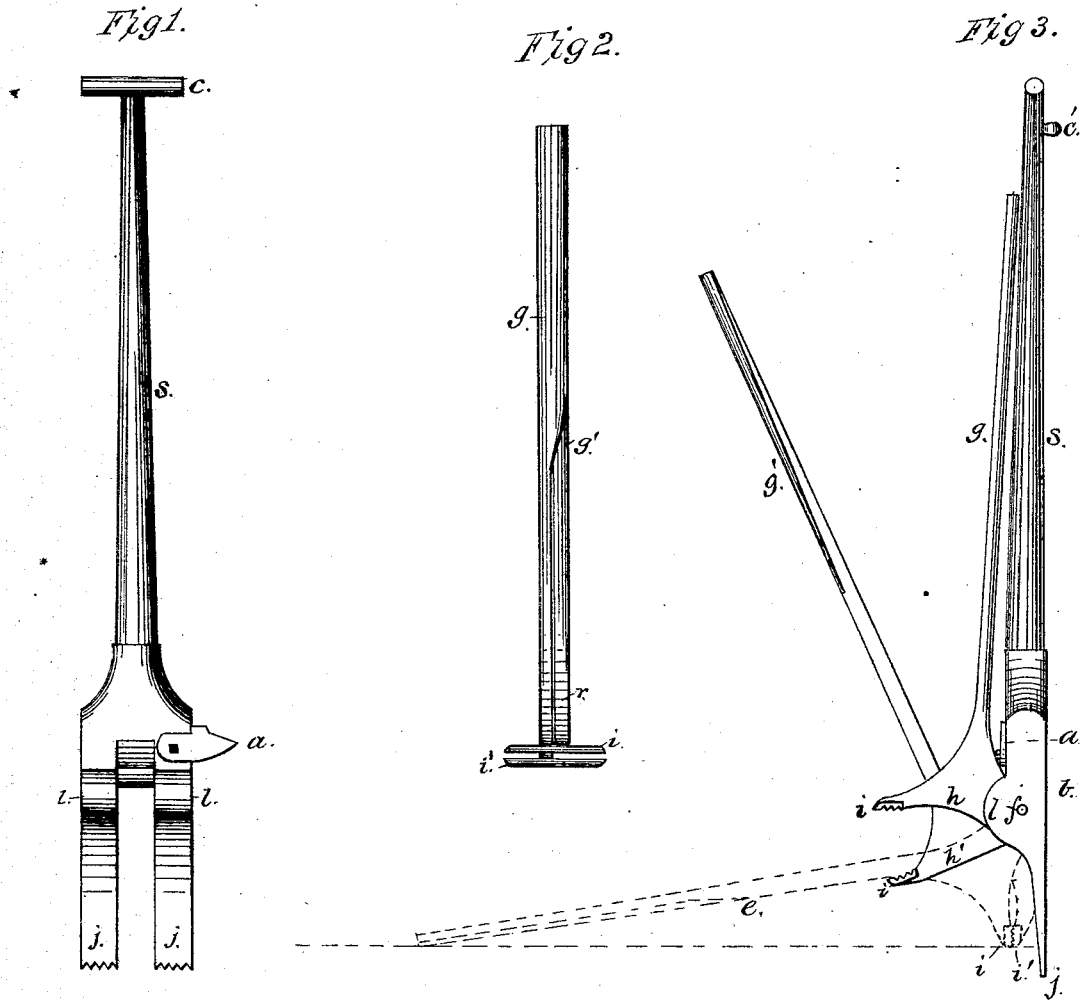


A. D. WILLIAMS.
Carpet-Stretcher.

No. 163,712.

Patented May 25, 1875.



Witnesses:

Edward Watts
Hugh Robinson

Inventor:

Alfred Dawson Williams

UNITED STATES PATENT OFFICE

ALFRED D. WILLIAMS, OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN CARPET-STRETCHERS.

Specification forming part of Letters Patent No. 163,712, dated May 25, 1875; application filed October 9, 1874.

To all whom it may concern:

Be it known that I, ALFRED D. WILLIAMS, of Boston, Massachusetts, have invented certain new and useful Improvements in Carpet-Stretchers; and I do hereby declare the following to be a correct description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a front elevation of the standard. Fig. 2 is a similar elevation of the forceps, with the blades closed. Fig. 3 is a side elevation of the standard and forceps united.

The same letter marks the same part wherever it occurs.

The nature of my invention consists in the union, in a carpet-stretcher, of an upright standard and a pair of forceps or bent levers, having at their extremities toothed jaws for clamping the edge of the carpet, and forming, when closed, a single lever, whose fulcrum coincides with that of the separate blades, all constructed and operating in the manner hereinafter more particularly set forth.

In the drawings, S indicates the standard, forked at the lower end, the prongs *jj* being serrated at the points, as shown, to enable the standard to take a firm hold of the floor. To this standard is attached at *f* the forceps or pair of bent levers, which have the pivot *f* for their common fulcrum. The longer arms *g g'* of these levers I usually make about two feet in length, and the shorter arms *h h'*, about four inches. The longer arms are so fashioned as to fit into each other when brought together, so as to form a convenient handle for the closed forceps, as shown in Fig. 2. The shorter arms of the levers are provided with clamping-jaws *i i'*, serrated on their inner faces, to take a secure hold on the carpet. The length of the shorter arms *h h'* is a little less than the distance from the fulcrum *f* to the ends of the

prongs *jj*, in order that when the forceps-handle *g g'* is brought down into the position *e*, shown in dotted lines in Fig. 3, the jaws *i i'* will be brought against the prongs *jj*, and directly under the standard S, as shown.

The construction of the standard is clearly represented in the drawing. I make it about two feet and a half long, with a cross-piece at top and a cushion, *c*, at the back, to prevent injury to the wall when the standard is in position. The forked portion of the standard is provided with lugs *ll*, which receive the pivot *f*, by means of which the forceps are attached to the standard. A dog or pawl, *a*, (see Figs. 1 and 3,) is attached to the lower part of the standard, and, when the forceps are depressed, engages with the teeth of a ratchet, *r*, on the back of arm *h*, to hold the forceps down and the jaws closed till the carpet is fastened in place.

I claim as my invention, in a carpet-stretcher—

1. The combination of the standard S, provided with the serrated prongs *jj*, with the bent levers *g h g' h'*, turning on the fulcrum *f*, and having the clamping-jaws *i i'*, and constructed so as to fold together in the manner described, all as specified.

2. The double-lever forceps, constructed as described, having the lever *h* of the upper clamping-jaw *i* provided with ratchet-teeth, and the dog or pawl *a* attached to the standard S, and located so as to engage with the ratchet-teeth on the heel of lever *h*, and hold the forceps down and the clamping-jaws closed, all in the manner set forth.

ALFRED DAWESON WILLIAMS, M. B.

Witnesses:

EDWARD WATTS,
HUGH ROBINSON.