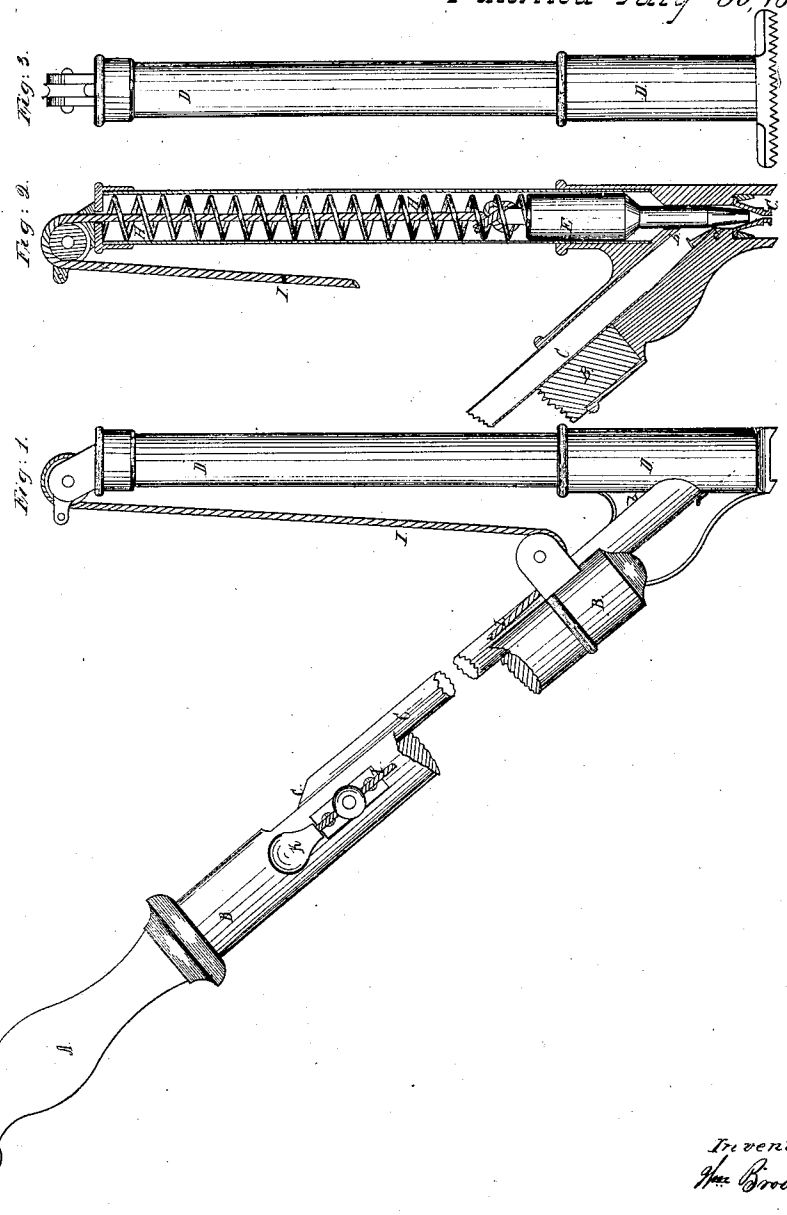
W Brown,

Carpet Stretcher,

No. 67,159. Patented July 30, 1867.



Witnesses:
G. F. Brown
A. Duncan

Inventor:
Wm. Brown.

United States Patent Office.

WILLIAM BROWN, OF NEW YORK, N. Y.

Letters Patent No. 67,159, *dated July* 30, 1867.

IMPROVED CARPET-STRETCHER AND TACK-DRIVER.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I. WILLIAM BROWN, late of Springfield, Massachusetts, now of the city, county, and State of New York, have invented new and useful improvements upon the Combined Carpet-Stretcher and Tack-Driver described and patented in Letters Patent of the United States granted and issued to me, dated February 5, 1867, and numbered 61,803; and that the following is a full, true, and exact description of my said improvements, reference being had to the drawings accompanying and making part of this my specification.

Figure I of the drawings represents a side elevation of my improved carpet-stretcher and tack-driver.

Figure II represents a vertical cross-section through the centre of the parts represented in Fig. I.

Figure III is an end elevation of the vertical part or hollow column shown in Figs. I and II.

In all the figures the same letters represent the same parts.

In my Letters Patent above referred to the handle A and the shaft B are described as resembling in external appearance the carpet-stretcher in common use, and the parts constituting and operating as the tack-driver are arranged within the hollow part or handle A and shaft B, and the tack-conductor is a hollow tube, D, placed upon and secured to shaft B. This arrangement, though operating well, renders necessary a change in the instrument from an inclined to nearly a vertical position at the moment of driving the tack, and in order to insert the tack into the carpet and floor in a vertical position. To avoid this inconvenience I now, in my present improvement, place the parts for driving the tack, and the tube or hollow column for containing them, in a vertical position, and the part constituting the carpet-stretcher in the inclined position required for use, the two being inserted and combined so as to form one instrument, in manner following, to wit:

The handle A and shaft B are, at the lower extremity of shaft B, firmly united to the vertical tube or column D at a point just above where the plunger meets the opening in the jaws, Figs. I and II, as shown at *b d*. The teeth for seizing and holding the carpet are placed at the lower extremity of the vertical tube D. The plunger or tack-driver E, the spring H, the jaws G in sections, and the manner of their operating, are all fully described in my aforesaid Letters Patent, to which reference is herein made, and need not be more particularly described here. The tack-conductor C in my present improved instrument is a metallic tube, placed upon the shaft B, and opens at its lower end into a tube, *b d*, in the cast-iron connecting fixture, through which the tack is carried into the tube D, just over the jaws G. The cord I, with its knob or handle K, is now arranged so as to adapt it to the change in the other parts, by carrying the cord under pulleys along the side of shaft B, thence to the top of tube D, where it passes over a pulley fixed upon the head of tube D, down to the bottom of spring H, where it is fastened to the head of the plunger E. The tack-conducting tube may be constructed of a bore through handle and shaft B, but I do not regard this as so good an arrangement as the exterior metallic tube just described, with a solid handle and shaft.

The manner of using and operating my improved carpet-stretcher and tack-driver is to catch the carpet by the teeth and push it to its place, dropping the tack point downward into the open end of the tack-conductor C, and then, on drawing the plunger up by the cord, the tack falls into the jaws, when, on letting free the cord, the tack is driven by the recoil of the spring and the plunger home into the floor.

What I now claim as my invention and improvement is—

1. The combination of the inclined carpet-stretcher with the vertical column and tack-driving apparatus, arranged and operating in the manner and for the purposes described.

2. The combination of the tack-conducting tube and the cord and pulleys with the inclined shaft and vertical column, arranged and operating in the manner and for the purposes described.

WILLIAM BROWN.

Witnesses:

J. B. STAPLES,

FRANK THOMPSON.