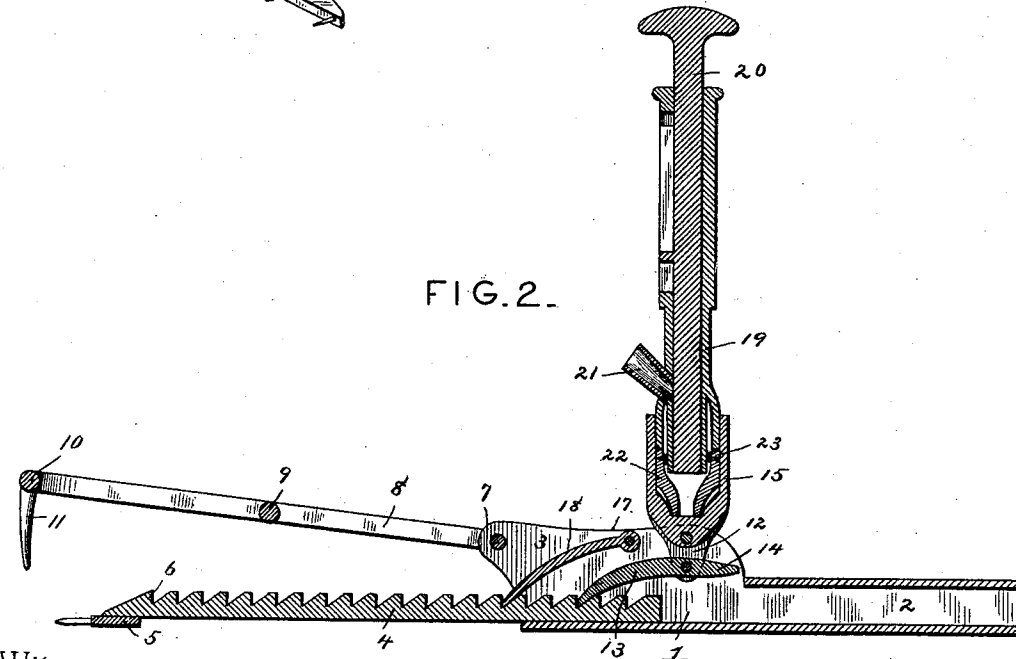
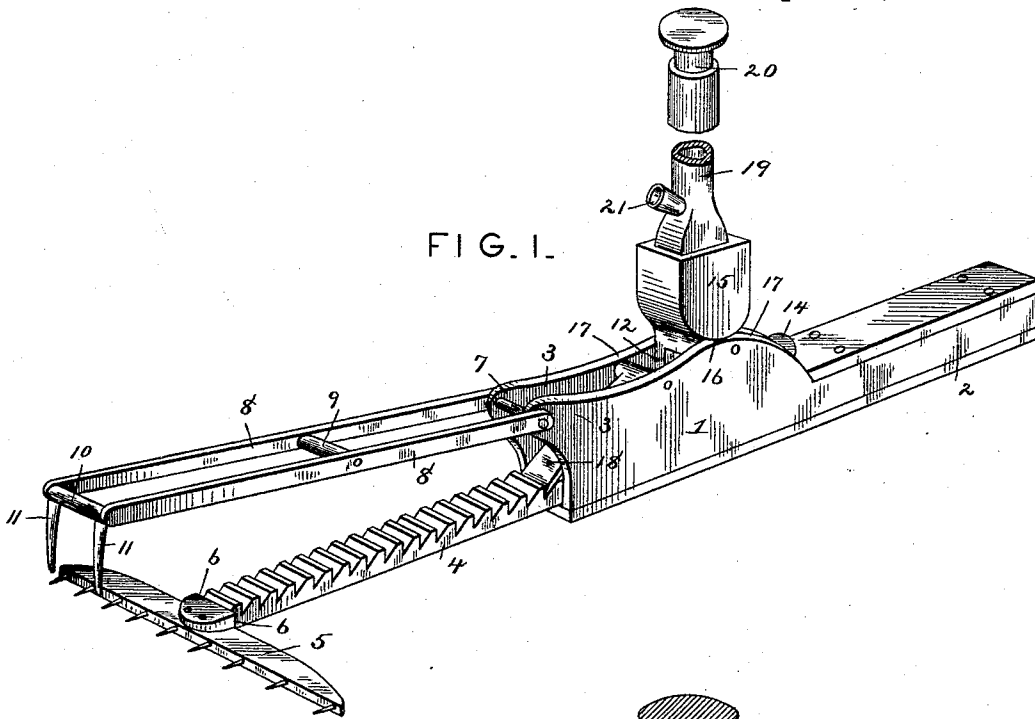


(No Model.)

J. ALBIN.
CARPET STRETCHER.

No. 482,821.

Patented Sept. 20, 1892.



Witnesses

Inventor

Harry L. Amer.

Jacob Albin.

By his Attorneys,

Chas. B. Hyer

C. Snow & Co.

UNITED STATES PATENT OFFICE.

JACOB ALBIN, OF SEYMOUR, INDIANA.

CARPET-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 482,821, dated September 20, 1892.

Application filed April 28, 1892. Serial No. 430,981. (No model.)

To all whom it may concern:

Be it known that I, JACOB ALBIN, a citizen of the United States, residing at Seymour, in the county of Jackson and State of Indiana, have invented a new and useful Carpet-Stretcher, of which the following is a specification.

This invention relates to certain new and useful improvements in carpet-stretchers, having one of the parts thereof constructed as a tacking device; and it consists in the construction and arrangement of the parts thereof, as will be more fully hereinafter described and claimed.

The object of this invention is to simplify the construction of devices of this character and make them more convenient in use by combining therewith as one of the operating parts of the same a tacking device, and also to arrange the parts of the stretcher in such manner that they can be readily and easily handled and operated, and which are strong and durable, effective in the desired result, and comparatively inexpensive in manufacture.

In the drawings, Figure 1 is a perspective view of the improved carpet-stretcher shown in position and the tacking device forming a part thereof. Fig. 2 is a longitudinal vertical section of the device entire.

Similar numerals of reference indicate corresponding parts in the several views.

Referring to the drawings, the numeral 1 designates the supporting-frame of the stretcher, which comprises a tubular portion 2, and ears or extensions 3, confining a slot or recess and forming bearings for the journals of the several parts, hereinafter set forth. Within the said frame and the tubular portion thereof referred to is mounted a rack-bar 4, having rack-teeth on the upper surface thereof and a stretching-comb 5 connected to the projecting end, said projecting end being shouldered, as at 6, to prevent the ratchet-bar from being extended too far into the frame, as will be readily understood. In overhanging ears 7 of the ears or extensions 3 are secured arms 8, having a cross-brace 9 and an outer connecting-bar 10, the latter being provided with spurs or spikes 11, projecting therefrom at right angles and adapted to be fixed into a portion of the floor or other place to

hold the stretcher in fixed adjusted position to resist the strain offered by the operation of the ratchet-bar in stretching the carpet. In the upper part of the ears or extensions 3 is pivotally mounted a lug 12, embracing a push-pawl 13, having a finger-piece 14, the said lug being integrally formed and depending from a socket 15, provided with lower rounded shoulders 16, adapted to reciprocatingly bear on the upper edges 17 of the ears or extensions 3. In advance of this socket is mounted a stop-pawl 18, which is held in contact with the rack-bar 4 and is adapted to move the same forward while the stop-pawl 18 prevents retrograde movement of the said rack-bar in the intermissions of the action of the push-pawl 13, and the latter is also employed to raise the pawl 18 from engagement with the said rack-bar when it is desired to return the same into the frame. The pawl 13 operates to elevate the pawl 18 when the finger-piece 14 of the said pawl 13 is depressed, thereby causing engagement of the forward end of the latter pawl with the under side of the said pawl 18 to raise the latter from engagement with the rack-bar. The arms 8 are normally located over the comb 5 and the rack-bar 4, supporting the same, so that when the said socket 15 is rocked to actuate the pawl 13 and feed the comb forward the said arms 8, supporting the spurs or spikes 11, will resist backward movement of the frame of the stretcher and hold the same in stationary position for the proper operations thereon.

The operating-lever 19, which is fitted in the socket 15, is made or constructed as a tacking machine or attachment, and is of similar construction to the device illustrated in Patent No. 411,543, granted to me September 24, 1889, and consists of a plunger 20, a tack-feeding hopper 21 aligning at its inner end with spring-actuated holding-jaws 22, having an inverted conical recess 23 at the upper ends thereof, and so far as the remaining construction is concerned it is the same or substantially the same as that shown in detail in said patent. After the carpet has been properly stretched by my improved device the said operating-lever 19 or tacking device, as has been set forth, is removed from the socket 15 and then employed in tacking the carpet while held by the stretcher in proper position,

thereby providing convenient means of se-
curement, as the said lever will belong enough
to allow the operator to stand in erect posi-
tion and work the plunger of the tacking de-
vice.

5 The parts of the device entire will be made
of light construction, but still sufficiently
strong to resist all strain brought to bear there-
upon, and the advantages and utility arising
10 from a device of the nature set forth will be
readily apparent to those skilled in the art.

It is obvious that many minor changes might
be made in the several parts and substituted
for those shown and described without in the
15 least departing from the nature or spirit of
the invention.

Having thus described the invention, what
is claimed as new is—

20 In a carpet-stretcher, the combination of a
frame with a tubular body and front side ex-
tensions open at the top and provided with
forwardly-projecting overhanging ears, a
ratchet-bar adjustably mounted in said body
and having a comb at the front end thereof,
25 a pair of arms secured to said overhanging

ears and provided with depending spikes or
spurs at their front ends in advance of the
comb on the ratchet-bar, the said overhanging
forwardly-projecting ears extending the outer
ends of the said arms beyond the said comb, 30
a socket pivotally mounted between the ex-
tensions of said body and having a bottom
depending lug with a slot therein running
parallel with the opening between said exten- 35
sions, a push-pawl pivotally mounted in said
slotted lug and having a rear finger-engaging
extension, a stop-pawl in advance of said
push-pawl and independent of the same and
adapted to be raised from engagement with 40
the ratchet-bar by the elevation of the said
push-pawl, and an operating-lever embodying
tacking mechanism, removably fitted in said
socket, substantially as described.

In testimony that I claim the foregoing as
my own I have hereto affixed my signature in 45
the presence of two witnesses.

JACOB ALBIN.

Witnesses:

ROBERT M. PATRICK,
LEWIS W. H. HEITMAN.