

No. 767,012.

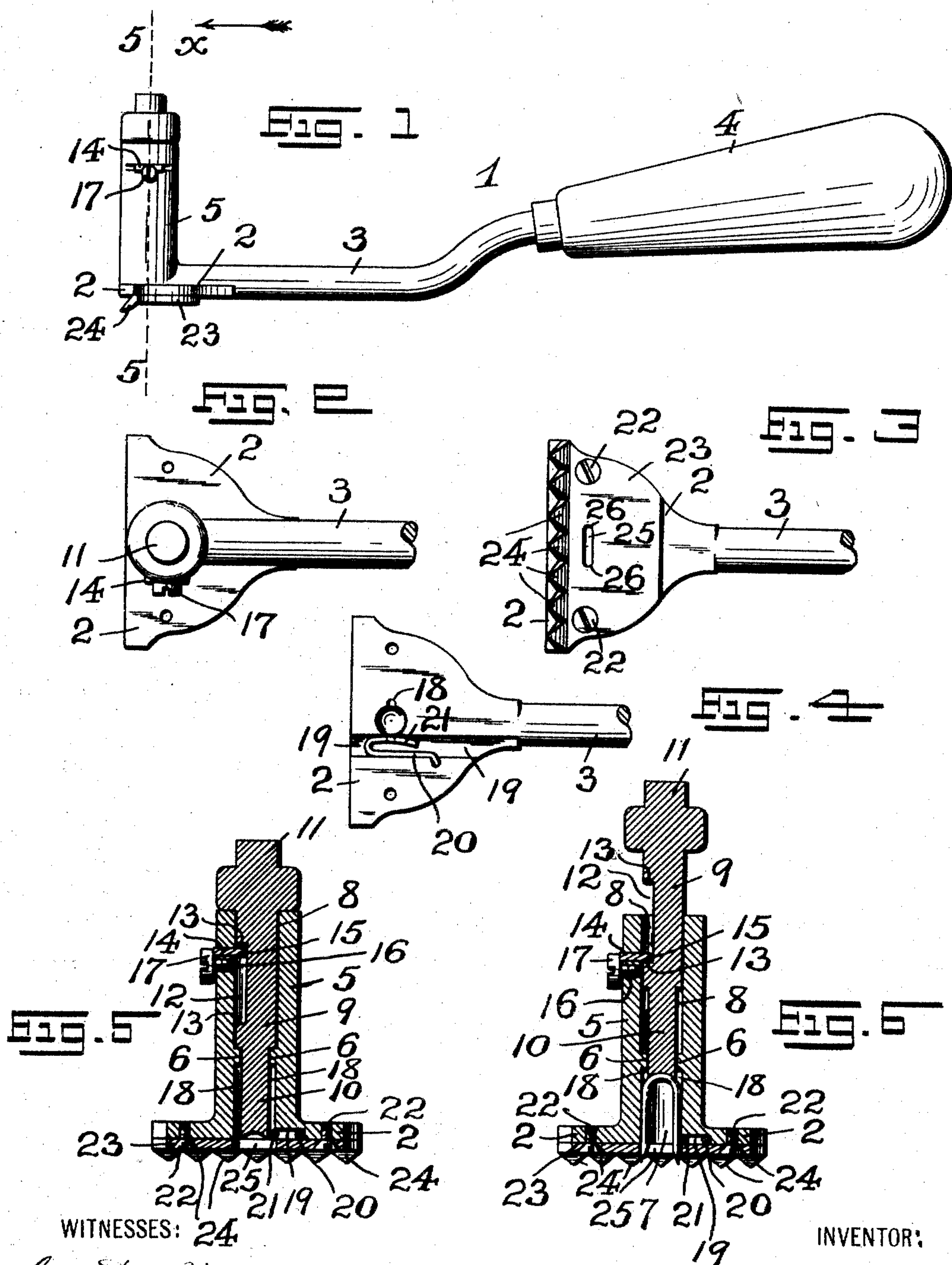
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A. REBETÉY.

COMBINED CARPET STRETCHER AND TACK HOLDING TOOL.

APPLICATION FILED SEPT. 15, 1903.

NO MODEL.



WITNESSES:

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COMBINED CARPET-STRETCHER AND TACK-HOLDING TOOL.

SPECIFICATION forming part of Letters Patent No. 767,012, dated August 9, 1904.

Application filed September 15, 1903. Serial No. 173,245. (No model.)

To all whom it may concern:

Be it known that I, AUGUSTUS REBETAY, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented certain new and useful Improvements in Carpet Stretchers and Tackers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to numerals of reference marked thereon, which form a part of this specification.

This invention relates generally to improvements in carpet-stretching tools or implements, and more particularly to a novel construction of combined carpet-stretching and tack-holding tool.

The invention has for its principal objects to provide a simple and cheap tool of the character hereinafter more fully specified which is more especially adapted for family use and can be employed for the purpose of stretching the carpet and at the same time locating the tack in the proper place prior to being driven by means of a hammer through the body of the carpet and into the floor.

With the various objects, which will hereinafter more fully appear, in view my present invention consists in the novel tool or implement hereinafter set forth; and, furthermore, this invention consists in the various arrangements and combinations of parts, all of which will be fully described in the following specification and then finally embodied in the clauses of the claim.

The invention is clearly illustrated in the accompanying drawings, in which—

Figure 1 is a side view of the combined carpet-stretching and tack-holding tool embodying the principles of this invention. Fig. 2 is a top or plan view of one end portion of the tool with the shank to which the handle is attached being represented as broken away, and Fig. 3 is a bottom view of the portion of the tool represented in said Fig. 2. Fig. 4 is a view similar to that represented in said Fig. 3 with the stretcher-plate of the tool re-

moved and illustrating one arrangement of spring for retaining the inserted tack in position in the body of the tool prior to being driven through the body of the carpet into the floor. Fig. 5 is a vertical cross-section taken on line 5 5 in said Fig. 1 looking in the direction of the arrow *x* and illustrating the various parts of the tool in their normal initial positions, and Fig. 6 is a similar view of the same parts of the tool with a tack held in a receiving-socket of the tool.

Similar characters of reference are employed in all of the said above-described views to indicate corresponding parts.

Referring now to the several figures of the drawings, the reference character 1 indicates the combined carpet-stretching and tack-holding tool embodying the principles of my present invention, the same comprising a main body portion 2, with which is connected in any suitable manner a shank 3, provided with a handle 4.

The said main body portion 2 is preferably of the general configuration herein shown, the same being provided with an upwardly-extending tubular post 5, preferably formed with an inner annular shoulder 6, so as to provide the lower tack-receiving socket 7 and the upper plunger chamber or socket 8. Within said chamber 8 is arranged to reciprocate therein a plunger or tack-driver 9, the lower portion thereof extending beneath the said annular shoulder 6 into the tack-receiving socket 7 and being preferably formed with a concaved end, as illustrated in the drawings.

The upper portion of the said plunger or tack-driver 9, which extends from the said chamber 8 to a point above the tubular post 5, as illustrated in Figs. 1, 5, and 6, is provided with a suitable head 11, the purpose of which is clearly evident from an inspection of the said figures of the drawings. The said plunger or tack-driver 9 is also preferably made with a cut-away or slotted part, as 12, providing a pair of shoulders or offsets 13, which limit the reciprocatory movements of the said plunger by being brought in contact with the end of a pin or stud 14, connected with the tubular post 5, as illustrated, and having its inner end

15 extending into the said cut-away or slotted part 12 of the plunger or tack-driver 9. That the said pin or stud 14 may be retained against displacement in its operative relation with the
 5 post 5 and plunger 9, a screw 16 is screwed into the side of the post, as shown, with the head 17 of said screw bearing against the end of the said pin or stud 14; but of course it will be understood that the said pin or stud 14
 10 may be secured in place in any other suitable manner.

That the double-pointed tack may be suitably retained in the tack-receiving socket 7, the said socket is made with a pair of oppositely-
 15 placed channels 18, into which the shanks of the tack are fitted, one of said channels terminating at its lower end directly above a groove or slot 19 in the lower and flat surface of the said main body portion 2, as clearly
 20 illustrated in Figs. 4, 5, and 6. In this groove or slot 19 I have arranged a suitable spring 20, a portion, 21, of which normally extends directly beneath the lower end of the one channel 18, as indicated in Fig. 5 of the drawings,
 25 but which is removed from such position by the shank of the tack when the latter is inserted in the tack-receiving socket or chamber 7, and the part 21 of the spring 20 thus binds against the side of the one shank of the tack,
 30 and thereby holds the same in place within the said socket or chamber 7, as will be clearly understood.

Suitably secured against the under surface of the said main body portion 2 of the tool or
 35 implement 1 by means of screws 22 or in any other suitable manner is a stretcher-plate 23, the said plate being provided at its forward edge with downwardly and forwardly extending teeth or serrations 24 for grasping the
 40 surface of the carpet and pushing it forward during the stretching operation when applying force upon the end of the handle 4 in the direction of the said arrow x in said Fig. 1. The said stretcher-plate 23 is also made with
 45 an elongated slot or opening 25, which extends across the open part of the said tack-receiving socket 7 and has its end portions 26 located directly beneath the channels 18 to permit of the insertion of the tack in the socket
 50 7, with the pointed ends of the shanks of the tack extending from the slot or opening 25 in said stretcher-plate 23, as clearly illustrated in Fig. 6 of the drawings.

The manner of using the tool will be clearly
 55 understood from an inspection of the drawings and is briefly as follows: The plunger 9 is raised from its position represented in Fig. 5 to that shown in Fig. 6, and the tack is inserted and held in place by the spring 20,
 60 the plunger being retained in its raised position by the upper end portion of the tack. The teeth or serrations of the stretcher-plate 23 are then embedded in the carpet and the tool used by pushing upon the handle 4 for
 65 stretching the carpet. This having been ac-

complished without removing the pressure from the handle of the tool, and hence retaining the carpet in its stretched position, the head of the plunger 9 is struck with a hammer and the previously-inserted tack is driven
 70 through the body of the carpet and into the floor. Another tack is then inserted in the socket 7 and the tool is used in the same manner.

Of course I am aware that some changes
 75 may be made in the arrangements and combinations of the various parts without departing from the scope of my present invention. Hence I do not limit my invention to the exact arrangements and combinations of the
 80 parts as described in the foregoing specification and as illustrated in the accompanying drawings, nor do I confine myself to the exact details of the constructions of the said parts.

Having thus described my invention, what
 85 I claim is—

1. A combined carpet stretcher and tacker, comprising, a flat main body portion 2, provided with an opening, an upwardly-extending tubular post connected with said body,
 90 the interior tubular portion of said post registering with the opening in said main body portion, said post being provided with a tack-retaining means, a laterally-extending groove in the under surface of said body, a spring in
 95 said groove having a portion extending into the interior tubular portion of said post so as to be brought in engagement with the tack when the tack is in position in said post, a plunger in said post, and a plate secured to
 100 the under surface of the body portion 2 and over said laterally-extending groove to retain the spring in said groove, substantially as and for the purposes set forth.

2. A combined carpet stretcher and tacker,
 105 comprising, a flat main body portion 2, provided with an opening, an upwardly-extending tubular post connected with said body, the interior tubular portion of said post registering with the opening in said main body
 110 portion, said post being provided with a tack-retaining means, a laterally-extending groove in the under surface of said body, a spring in said groove having a portion extending into the interior tubular portion of said post so as
 115 to be brought in engagement with the tack when the tack is in position in said post, a plunger in said post, a plate secured against the under surface of said main body and over the laterally-extending groove to retain the
 120 spring in said groove, said plate having an opening registering with the opening in said main body, and teeth at the forward edge of said plate, substantially as and for the purposes set forth.
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3. The herein-described combined carpet stretcher and tacker, comprising, a main body provided with a handle, a tubular post on said main body having an inner annular shoulder forming in the lower part of said post a tack-
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receiving socket and in the upper part of said post a plunger-receiving chamber, a plunger in said chamber having its upper end extending above said post and having its lower end
5 extending into said tack-receiving socket, and means for retaining a tack in said socket, consisting of a spring arranged in a groove in the lower surface of said main body, substantially as and for the purposes set forth.

10 4. The herein-described combined carpet stretcher and tacker, comprising, a main body provided with a handle, a tubular post on said main body having an inner annular shoulder forming in the lower part of said post a tack-
15 receiving socket and in the upper part of said post a plunger-receiving chamber, a plunger in said chamber having its upper end extending above said post and having its lower end
20 extending into said tack-receiving socket, means for retaining a tack in said socket, and means connected with the tubular post for limiting the movement of said plunger, substantially as and for the purposes set forth.

25 5. The herein-described combined carpet stretcher and tacker, comprising, a main body provided with a handle, a tubular post on said main body having an inner annular shoulder forming in the lower part of said post a tack-
30 receiving socket and in the upper part of said post a plunger-receiving chamber, a plunger in said chamber having its upper end extending above said post and having its lower end extending into said tack-receiving socket, means for retaining a tack in said socket, and
35 means connected with the tubular post for limiting the movement of said plunger, consisting, essentially, of a pin in the side of said tubular post having a portion extending into a cut-away part of said plunger, substantially
40 as and for the purposes set forth.

45 6. The herein-described combined carpet stretcher and tacker, comprising, a main body provided with a handle, a tubular post on said main body having an inner annular shoulder forming in the lower part of said post a tack-

receiving socket and in the upper part of said post a plunger-receiving chamber, a plunger in said chamber having its upper end extending above said post and having its lower end
50 extending into said tack-receiving socket, means for retaining a tack in said socket, consisting of a spring arranged in a groove in the lower surface of said main body, and a stretcher-plate secured to the under surface of said main body, said plate being provided with
55 a tack-receiving opening registering with said tack-receiving socket in said post, and teeth on said stretcher-plate, substantially as and for the purposes set forth.

60 7. The herein-described combined carpet stretcher and tacker, comprising, a main body provided with a handle, a tubular post on said main body having an inner annular shoulder forming in the lower part of said post a tack-
65 receiving socket and in the upper part of said post a plunger-receiving chamber, a plunger in said chamber having its upper end extending above said post and having its lower end extending into said tack-receiving socket, means for retaining a tack in said socket, con-
70 sisting of a spring arranged in a groove in the lower surface of said main body, means connected with the tubular post for limiting the movements of said plunger, consisting, essentially, of a pin in the side of said tubular post
75 having a portion extending into a cut-away part of said plunger, and a stretcher-plate secured to the under surface of said main body, said plate being provided with a tack-receiving opening registering with said tack-receiving
80 socket in said post, and teeth on said stretcher-plate, substantially as and for the purposes set forth.

In testimony that I claim the invention set forth above I have hereunto set my hand this
85 12th day of September, 1903.

AUGUSTUS REBETAY.

Witnesses:

FREDK. C. FRAENTZEL,
ALBERT EBBECKE.