(No Model.)

L. M. KENTON.

COMBINED CARPET STRETCHER AND TACKER.

No. 516,441. Patented Mar. 13, 1894.

Fig. 4.

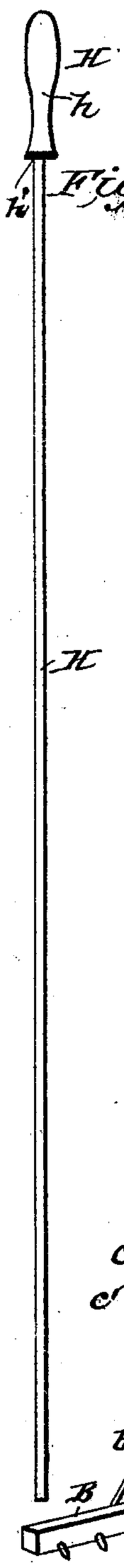


Fig. 1.

Fig. 2.

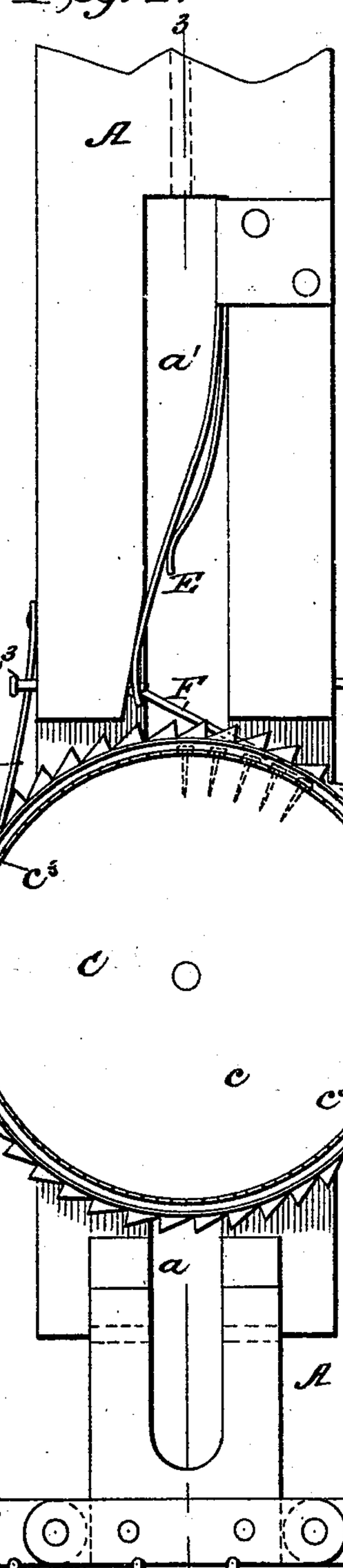
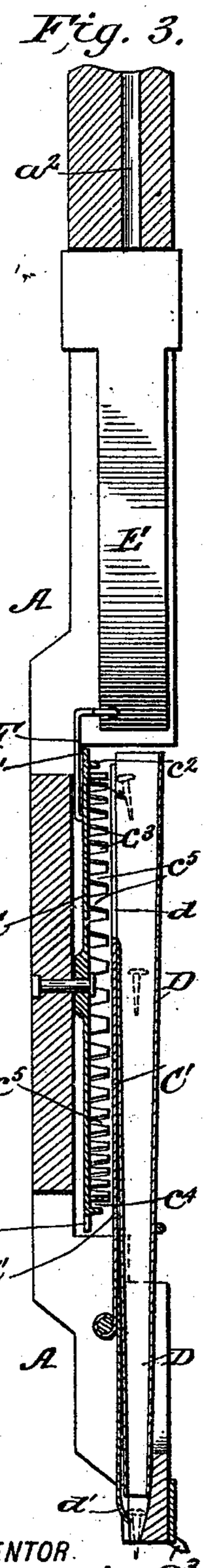
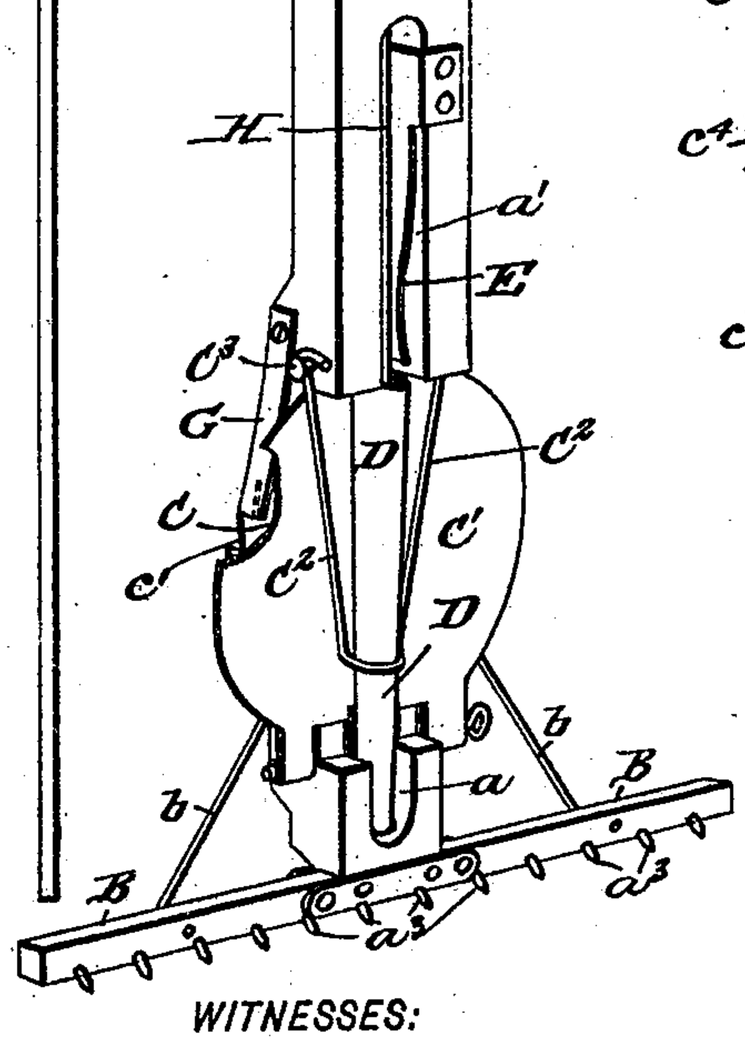


Fig. 3.





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LEONIDAS M. KENTON, OF URBANA, OHIO.

COMBINED CARPET STRETCHER AND TACKER.

SPECIFICATION forming part of Letters Patent No. 516,441, dated March 13, 1894.

Application filed June 29, 1893. Serial No. 479,164. (No model.)

To all whom it may concern:

Be it known that I, LEONIDAS M. KENTON, of Urbana, in the county of Champaign and State of Ohio, have invented a new and useful Improvement in a Combined Carpet Stretcher and Tacker, of which the following is a specification.

My invention is an improvement in the class of combined carpet-stretchers and tackers in which a magazine is provided for holding the tacks and from which the latter are successively delivered into a conduit that guides them to the hammer or plunger.

My invention is embodied in certain mechanism hereinafter described and claimed.

In the drawings forming a part of this specification, Figure 1 is a rear perspective view of my improved carpet stretcher. Fig. 2 is a front view with the cover removed. Fig. 3 is a vertical section on the line 3—3 Fig. 2, and Fig. 4 is a detail view of the plunger.

In carrying out my invention I employ a main or body portion A preferably of wood, and about four feet in length. The body A is slotted near its forward end for a short distance as shown at a and also near the rear end as shown at a'. The upper or rear end of the body is provided with a longitudinal bore a^2, through which passes a plunger to drive the tacks into the floor. The forward end of the body is formed with teeth a^3 to engage the carpet, and at each side of this end are hinged the stretcher bars B B also having teeth said bars being held in position by means of the brace rods b b hinged to the sides of the body A. Intermediate the slots a and a', a revolving tack magazine C is secured to the body A, said magazine comprising a circular plate c having a toothed periphery c', and two concentric annular flanges c^2 and c^3 forming a groove c^4 between them, said groove being intended to receive the heads of the tacks and the inner flange c^3 is notched at c^5 to receive the shanks or points of the tacks.

A cover C′ is hinged to the body A and is intended to cover the tacks in the magazine C, and this cover is also provided with a feed chute D which leads the tack to the floor. The upper end of this chute is opened and communicates with an opening D in the cover C′ so that one tack only can drop from the magazine into this feed chute, and then it is ready to be forced down by the plunger. The chute is also provided with a spring lip d' which holds the tack in place at the end of the chute and keeps it in an upright position. The cover C′ is held down by means of the fastening arm C^2 which engages pins C^3 in the sides of the body A.

A leaf spring E is located in the slot a' and extends diagonally across the said slot as clearly shown. To the end of this spring is attached an operating pawl F, which engages the ratchet teeth c' of the magazine disk and upon the opposite side of the body A is arranged a locking pawl G, for holding the magazine in its proper position.

H indicates the plunger which consists of an iron or metal bar, about five feet long and provided with a suitable handle h. At the lower end of the handle is arranged a rubber buffer h' which prevents noise and any sudden jar. It also prevents the tacks being driven in too far. The plunger is passed through the longitudinal bore in the body, presses the spring E to one side and enters the feed chute and forces a tack, which has been dropped from the magazine, into the carpet. The plunger is then withdrawn above the spring E and as this spring returns to its normal position it operates the pawl F, moves the disk one tooth and drops another tack into the feed chute. The plunger is then forced down again as before and these operations repeated until the magazine is exhausted, when the cover is opened and the magazine refilled.

When the stretcher attachment is used the carpet can first be stretched by this implement, and then by operating the plunger the tack can be driven while the carpet is held so stretched. These stretcher bars can be removed whenever desired by simply removing the pivotal bolt. They can also be folded up beside the body A, and likewise the brace rods.

In operation it will of course be understood that the magazine is below the body A and the feed chute beneath the magazine so that the tacks can fall by gravity through the opening d into said chute.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In a combined carpet stretcher and

tacker the combination with a body portion, having teeth at one end and toothed stretcher sections connected with said end, a revoluble tack magazine arranged parallel with the body portion a feed chute also parallel with said body portion and a plunger passing through the body portion and feed chute, substantially as shown and described.

2. The combination with the body portion of a revoluble tack magazine the cover for the same having a feed chute connected therewith the plunger passing through said chute and means for revolving the magazine, substantially as shown and described.

3. In a carpet tacker, a magazine consisting of a disk having a ratchet periphery, concentric annular flanges, the inner one of which is notched, a cover, having an opening therein, and a feed chute connected to the cover and having an opening co-incident with the one in the cover, whereby the tacks can drop from the magazine into the feed chute, substantially as described.

4. The combination with the body portion of the revoluble disk having a ratcheted periphery, the annular flanges secured thereon, the inner one being notched the cover having a feed chute attached thereto, the plunger, the locking pawl, the operating pawl and the spring connected therewith and adapted for engagement with the plunger, substantially as shown and described.

5. In a carpet tacker, the combination with the body portion, of the revoluble magazine pivoted upon said body portion and having a ratcheted periphery, a locking pawl for holding the magazine in place, an operating pawl and the spring connected therewith, and a plunger adapted to engage the operating pawl, when it is forced down, substantially as shown and described.

6. The combination with a body portion, of a revoluble disk, the cover and feed chute, the spring lip, the operating pawl and spring connected therewith, the plunger adapted to engage such spring and the locking pawl substantially as shown and described.

7. The combination with a body portion, of the revoluble toothed disk adapted to carry tacks, the cover, and feed chute, the spring lip, the operating pawl, the spring connected therewith, the plunger adapted to engage said spring and the locking pawl substantially as shown and described.

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