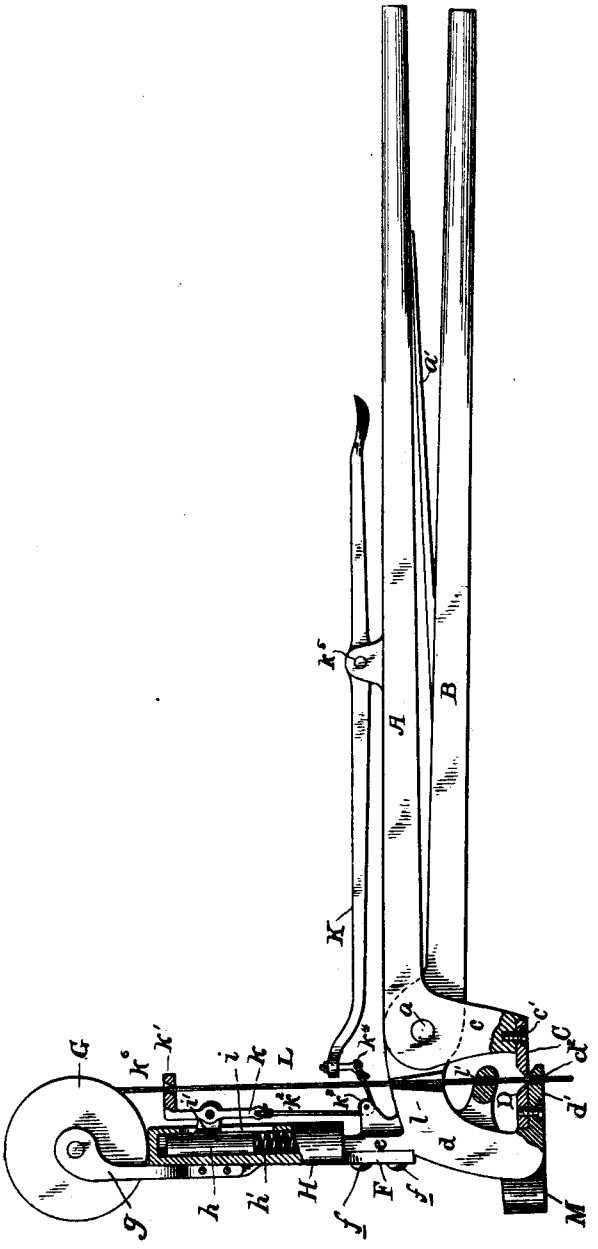
No. 675,926. Patented June 11, 1901.

J. C. BLOTT.

TACKING TOOL.

(Application filed Mar. 19, 1901.)

(No Model.)



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UNITED STATES PATENT OFFICE.

JOHN CHARLES BLOTT, OF PROSPECT, WISCONSIN.

TACKING-TOOL.

SPECIFICATION forming part of Letters Patent No. 675,926, dated June 11, 1901.

Application filed March 19, 1901. Serial No. 51,847. (No model.)

To all whom it may concern:

Be it known that I, JOHN CHARLES BLOTT, a citizen of the United States, residing at Prospect, in the county of Waukesha and State of Wisconsin, have invented certain new and useful Improvements in Tacking-Tools; and I do 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 drawing, and to the letters of reference marked thereon, which forms a part of this specification.

This invention relates to an improved tacking-tool of that type designed to carry a supply of wire from which to cut off the rivet or tack and drive the same.

The primary object of the invention is to improve the general construction of the tool and subordinately to provide a novel feed mechanism for the wire, means for operating said feed mechanism, and a cutter operated by the handle to sever the proper length of wire to form a tack.

Novel improvements in the details and construction of the several parts of the tool will be apparent from the detailed description hereinafter and the appended claims.

In the accompanying drawing an embodiment of the invention is shown for the purpose of illustration, and when hereinafter referring to the drawing like reference characters will refer to corresponding parts.

The figure is an elevation of the complete tool, parts being broken away and others shown in section.

Referring more specifically to the drawing, A and B respectively designate pinch-handles of any usual or preferred construction crossed and pivoted at a and provided with a flat spring a', normally tending to spread the handles apart. The handle A has a downwardly-projecting lug c, to the end of which is detachably secured, through the medium of the screw c', a horizontally-disposed cutting-blade C. The opposite handle B has a forwardly-extending arm d extending downwardly to a plane slightly below the cutting-blade heretofore mentioned, and this arm is provided with a correspondingly-detachable blade D, supported in horizontal alinement with the blade C upon the horizontally-disposed portion d' on said arm. This portion d' has a through-aperture d^2, the purpose of which will hereinafter be described and pointed out. The arm d has a vertically-disposed apertured ear or lug e, to which is detachably secured, by means of the bolt and nut f, a bracket F, provided with a bifurcated upper end g, in which is pivotally secured a reel G, adapted to carry wire or other suitable material from which a tack is to be cut. On the interior surface of the bracket F is a barrel H, carrying a plunger h, backed by a spring h', normally holding the plunger in elevated position. The barrel is slotted at i to permit the passage of a projection i' on the plunger and serving to guide and prevent turning movement of the same when in operation. The extreme end of the projection i' is inclined in a downward direction, and pivoted thereto is an arm k, carrying a clutch k'. To the end of the clutch-arm is attached a flexible cord k^2, passing over a guide-pulley k^3 and connected at k^4 to the thumb-lever K, pivoted at k^5 to the handle A. When the thumb-lever is pressed, the cord will be pulled and the clutch-lever drawn into a vertical plane, whereupon the edges of an inclined aperture k^6 in the clutch will bind upon the wire L feeding from the reel and force the same downwardly a sufficient distance to permit the cutting of the desired length of tack. When the lever is released, the spring-pressed plunger will elevate the clutch and its lever, its pivotal movement permitting the same to release the biting edges of the wire and sliding freely thereover. The end of the wire is guided by an aperture l in the arm d and also by the perforated bracket l' thereon, and its extreme end beyond the cutting-blades passes through the aperture d^2, before described. When the clutch has been operated to force the wire downward, the handles are pinched and a sufficient length of wire to form the tack is severed by the cutting-blades, while the lower end of the wire rests upon the material to be tacked, whereupon the tool is given a slight downward pressure to effect an initial hold of the severed tack in the material, and thereafter a hammer M, also on the arm d, may be used to drive the same home.

From the above it will be seen that a complete and efficient tool is provided.

Having thus described the invention, what is claimed as new, and desired to be secured by Letters Patent, is—

1. A tacking-tool comprising operating-handles, detachable blades secured to said handles oppositely disposed relative one to another, a reel adapted to supply wire to the blades, a clutch for operating the wire, and guides for directing the wire between the blades, substantially as described.

2. A tacking-tool comprising operating-handles, oppositely-disposed blades on said handles, a reel adapted to supply wire to the blades, and guides on one of the handles respectively above and below the cutting-blades, substantially as described.

3. A tacking-tool comprising operating-handles, oppositely-disposed blades carried by the handles, a bracket on one of the blades, a reel in said bracket adapted to supply wire to the blades, a clutch for feeding the wire, means for operating the clutch and means on the bracket adapted to retain the clutch in elevated position, substantially as described.

4. A tacking-tool comprising operating-handles, oppositely-disposed blades on said handles, a detachable bracket supported by one of said handles, a reel in the bracket adapted to supply wire to the blades, a barrel to one side of the bracket, a spring-pressed plunger in said barrel, a clutch pivoted to said plunger adapted to feed the wire, a flexible connection connected to said clutch and a thumb-lever adapted to operate the clutch, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN CHARLES BLOTT.

Witnesses:
G. J. MURPHY,
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