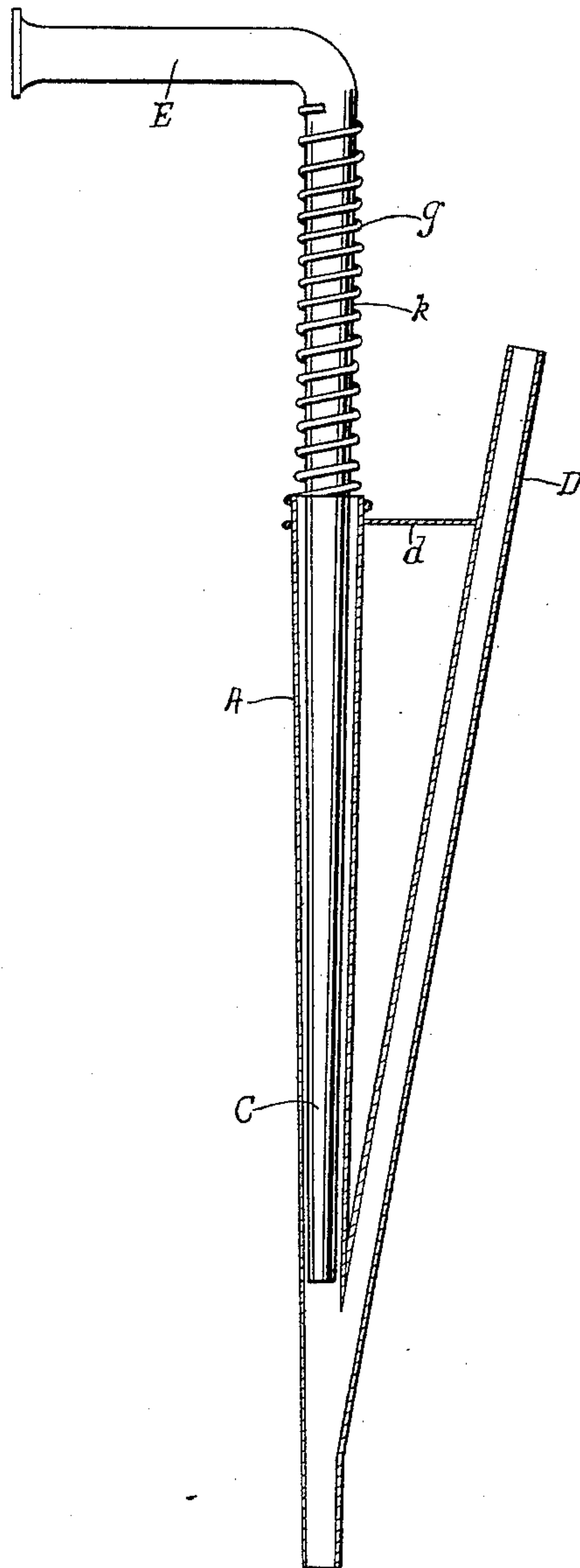


(No Model.)

H. J. LEWIS.
TACK SETTER AND HAMMER.

No. 462,565.

Patented Nov. 3, 1891.



Witnesses
J. W. Anderson.
P. C. Masi.

Inventor
H. J. Lewis.
By E. W. Anderson
his Attorney

UNITED STATES PATENT OFFICE.

HENRY J. LEWIS, OF OLATHE, KANSAS.

TACK SETTER AND HAMMER.

SPECIFICATION forming part of Letters Patent No. 462,565, dated November 3, 1891.

Application filed October 18, 1890. Serial No. 368,582. (No model.)

To all whom it may concern:

Be it known that I, HENRY J. LEWIS, a citizen of the United States, and a resident of Olathe, in the county of Johnson and State of Kansas, have invented certain new and useful Improvements in Tack Setters and Hammers; 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 letters of reference marked thereon, which form a part of this specification.

The figure of the drawing is a representation of the invention and is partly a vertical section.

This invention has relation to combined tack-hammers and tack-setters; and it consists in the novel construction and combination of parts, as hereinafter set forth.

In the accompanying drawing, the letter A designates a downwardly-tapering tube or guide for the tapering shank or set portion of the hammer C, provided with head E.

D indicates a feed-tube for tacks, which connects with and leads into the tube A near its lower tapered end and which extends obliquely upward, being connected to said tube by an interposed brace *d*. The tube D is designed to receive the tacks at its upper end and guide them to the tube A, which, when resting vertically upon any surface, sustains the tacks, one at a time, in an erect position until the set C of the hammer has been forced down upon the head of the tack, which is thereby caused to stick in the surface. When the tack is left exposed in removing the tube from its erect position, the latter becomes the handle of the hammer, which is grasped to reverse the implement and bring into play the hammer-head E, by means of which the tack is driven home.

The hammer consists of the solid shank or set portion C and the solid head E, formed by bending the latter at a right angle to the said shank.

A spiral spring *g* is interposed between the

head E of the hammer and the tube A, secured to both in a suitable manner, as by a soldering, as shown, and surrounding the exposed portion *k* of the shank C. This spring *g* is designed to retain the hammer in its normal position in the tube, with its lower end sufficiently raised to permit the tacks to pass beneath it from the feed-tube into the main tube A. It is obvious that by this spring arrangement the set or shank is adapted to be forced down into the tube upon the head of the tack for setting the latter, and to be immediately returned to its original or normal position when released from pressure above. By the tapering form of the tube A sufficient space is afforded at the upper end for the set C, which must be of a size to give it sufficient weight. The taper of the tube is such that at its lower end it is of just sufficient size to form a guide for the tack, which will receive upon its head the full concentrated blow of the set, owing to its also being tapered. The working of the device is thus rendered more effective than if the tube A were suddenly contracted at its lower end to form the guide for the tack. A neater form is also the result of the taper.

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

The tack setter and hammer comprising the tapered sleeve or tube open at both ends, and a second tube oblique thereto and communicating therewith near its smaller end, and a brace interposed between said tubes, in combination with the tapered rod having its smaller end reciprocating in said sleeve or tube and its opposite end turned at right angles thereto and headed, and a spring surrounding said rod and connected at one end thereto and at the opposite end to said sleeve, substantially as specified.

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

HENRY J. LEWIS.

Witnesses:

S. D. SCOTT,

J. N. NEELY.