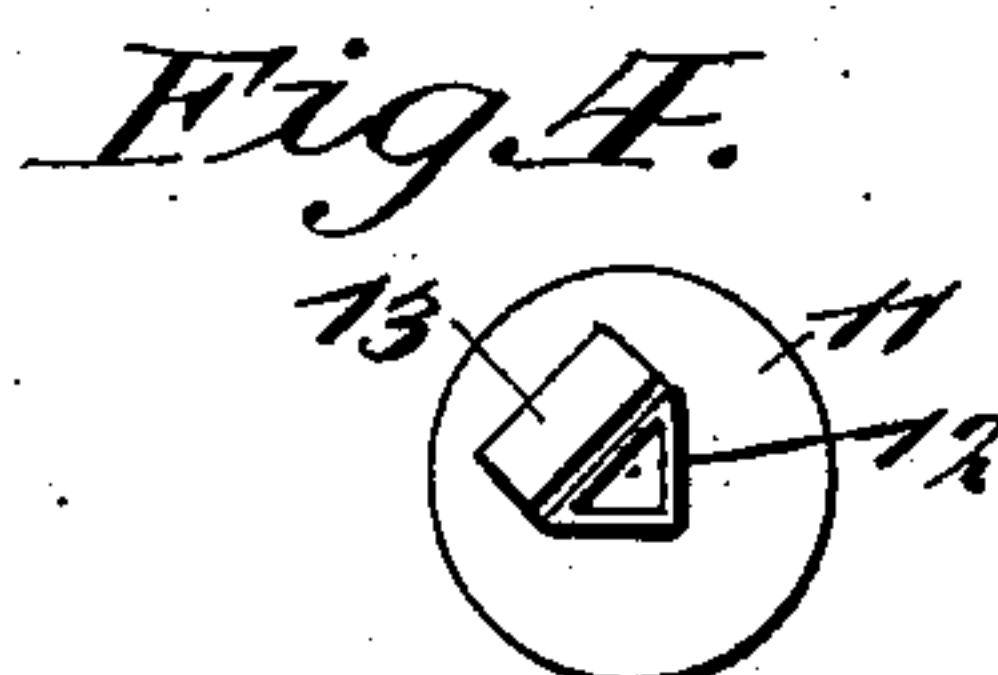
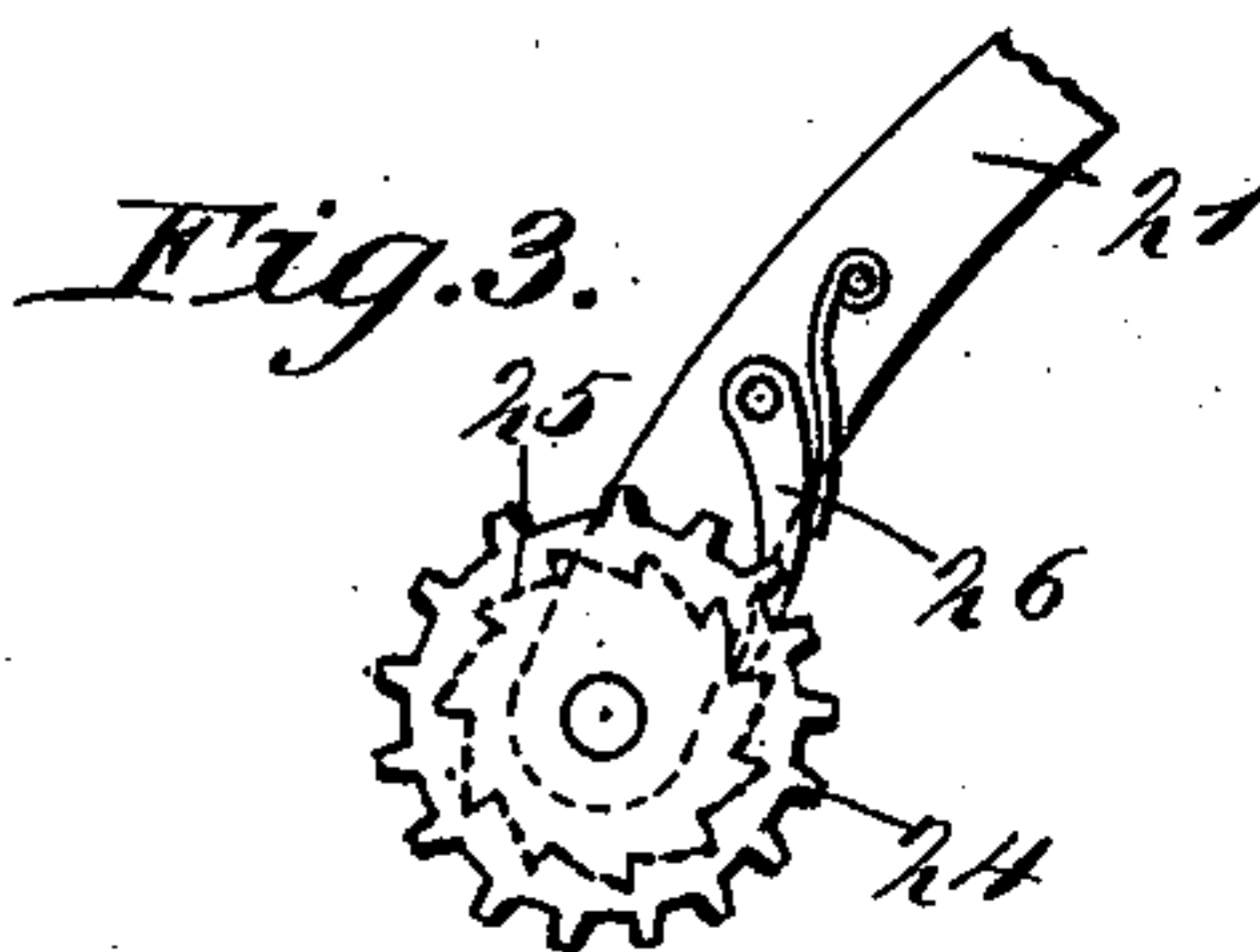
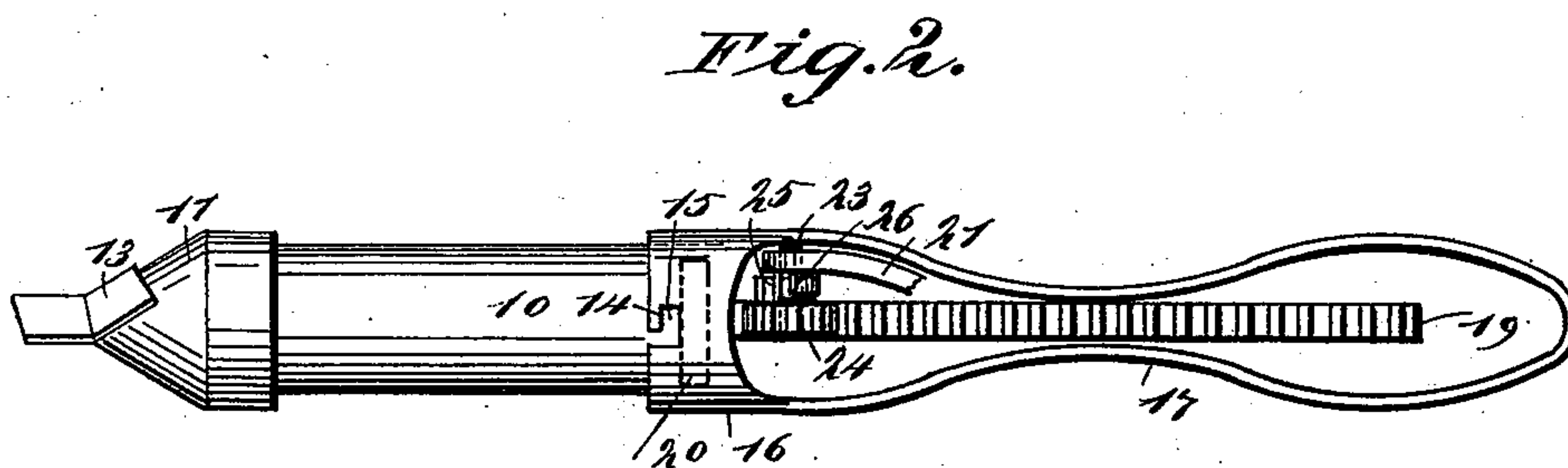
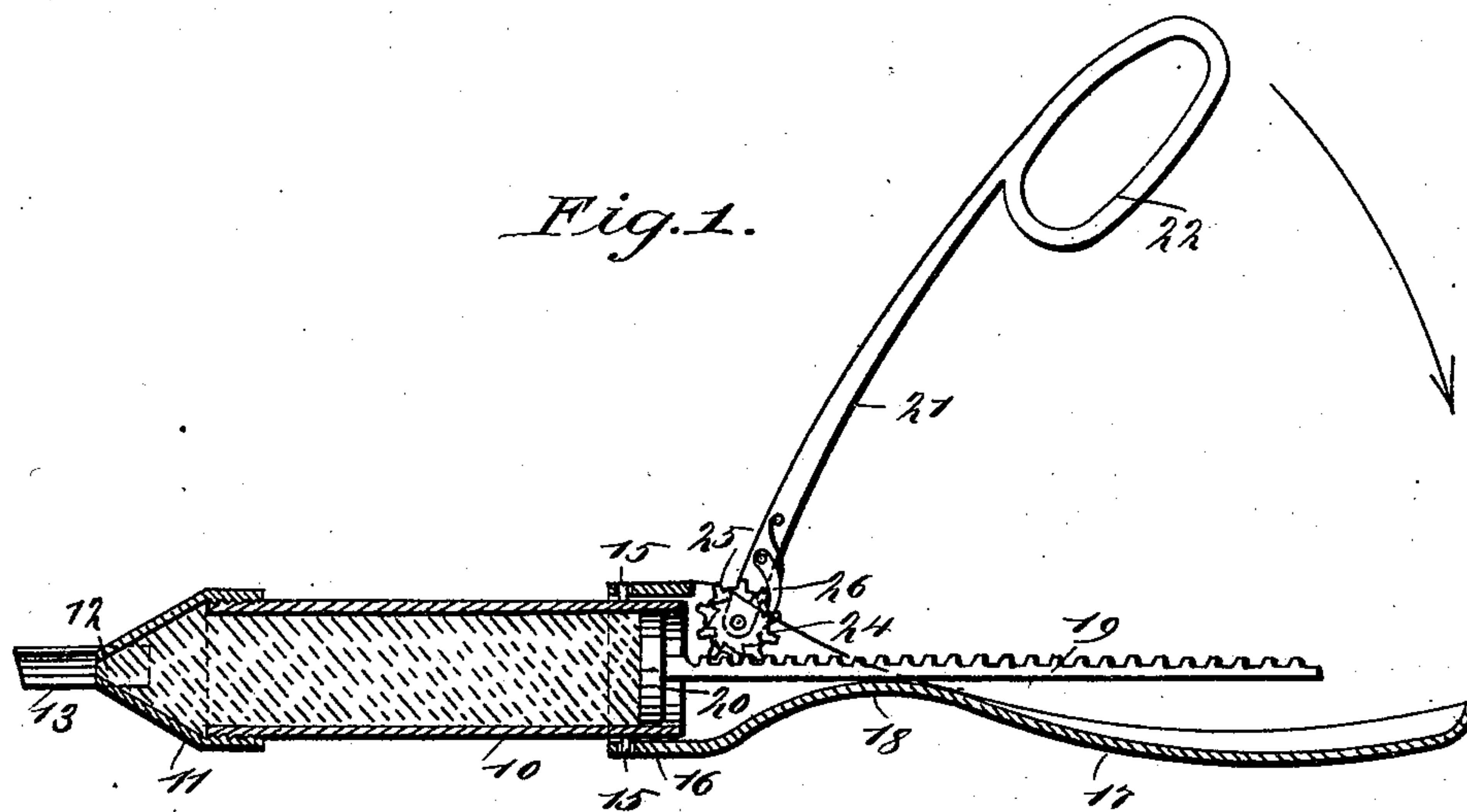


(No Model.)

T. WITTE.
PUTTYING TOOL.

No. 512,930.

Patented Jan. 16, 1894.



WITNESSES:

J. McCutcheon.
C. Sedgwick.

INVENTOR

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ATTORNEYS.

UNITED STATES PATENT OFFICE.

THEODORE WITTE, OF CHILLIWHACK, CANADA.

PUTTYING-TOOL.

SPECIFICATION forming part of Letters Patent No. 512,930, dated January 16, 1894.

Application filed July 31, 1893. Serial No. 481,972. (No model.)

To all whom it may concern:

Be it known that I, THEODORE WITTE, of Chilliwack, British Columbia, Canada, have invented a new and Improved Puttying-Tool, of which the following is a full, clear, and exact description.

My invention relates to improvements in tools for applying putty to window sashes and similar things; and the object of my invention is to produce a simple and inexpensive tool in which a quantity of mixed putty, either hard or soft, may be carried and by which the putty may be suently and rapidly applied without the use of a knife and without the necessity of touching the putty with the fingers.

To these ends my invention consists of a puttying tool, the construction of which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings forming a part of this specification, in which similar figures of reference indicate corresponding parts in all the views.

Figure 1 is a longitudinal section of the tool embodying my invention. Fig. 2 is a broken plan view of the same. Fig. 3 is a detail elevation of the gear and ratchet mechanism for actuating and locking the piston; and Fig. 4 is an end view of the tool.

The tool is provided with a tubular body 10 in which the putty is held, and this is provided with a conical screw cap 11 at one end, which has a three cornered nozzle 12 through which the putty is squeezed, and the nozzle gives to the out-flowing putty such shape that it fits very nicely in the corners where the glass and sash meet, and enables the putty to be pressed firmly to place. The cap 11 is provided with a flat blade or plate 13 which may be rubbed over the putty as it is applied. The other end of the body 10 is connected by a common bayonet joint comprising the notches 14 and pins 15 with the tubular end 16 of a handle 17, which is curved inward near the body, as shown at 18, to form a support for the rack bar 19 which is secured to the piston 20, and the latter is adapted to move longitudinally through the body 10 so as to expel the putty from the nozzle 12.

A lever 21, which is provided at its free end with a thumb loop 22, is pivoted as shown at 23, in the handle 17, near the rear end of the body 10; and on the pivot of the lever is a gear wheel 24 which meshes with the rack bar 19, and secured to the gear wheel is a ratchet wheel 25 which is engaged by a pawl 26 pivoted on the lever 21. It will be seen that when the lever 21 is pressed down, that is, swung toward the handle 17, the pawl 26 causes the ratchet wheel 25 and gear wheel 24 to turn, and the rack bar 19 is pushed inward, thus forcing the piston 20 into the body 10 and the putty is squeezed out of the nozzle 12. When the lever 21 is swung upward, the pawl rides over the ratchet wheel and the rack bar is not affected, and by the repeated movement of the lever the putty may be squeezed therefrom until the whole mass within the body 10 is ejected from the nozzle 12.

In using the tool, the lever 21 is manipulated so as to force the putty outward as fast as is necessary, and the nozzle is dragged over the surface to be puttied, while the putty may be rubbed to place by the plate or blade 13.

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

1. A puttying tool, comprising a tubular body having a nozzle at one end, and a handle projecting from the other end, a piston working in the body and provided with a racked piston rod, a pinion meshing with the piston rod, and means for operating the piston.

2. A puttying tool, comprising a tubular body having a nozzle at one end and a handle at the other, a piston arranged to move longitudinally through the body, a swinging lever fulcrumed in the handle, and a gear and ratchet mechanism for moving the piston by the swinging of the lever, substantially as described.

3. A puttying tool, comprising a tubular body having a nozzle at one end and a handle at the other, a piston adapted to move longitudinally through the body, a swinging lever fulcrumed in the handle, a rack bar projecting rearward from the piston, a gear wheel journaled on the pivot of the lever and mesh-

ing with the rack bar, a ratchet wheel secured to the gear wheel, and a pawl carried by the lever and engaging the ratchet wheel, substantially as described.

- 5 4. In a puttying tool, the combination with a body having a nozzle at one end, and a piston working in the body, of a handle detach-

ably secured to the body and carrying the piston operating mechanism, substantially as described.

THEODORE WITTE.

Witnesses:

JAMES H. MCGUIRE,
WILLIAM E. DAVIS.