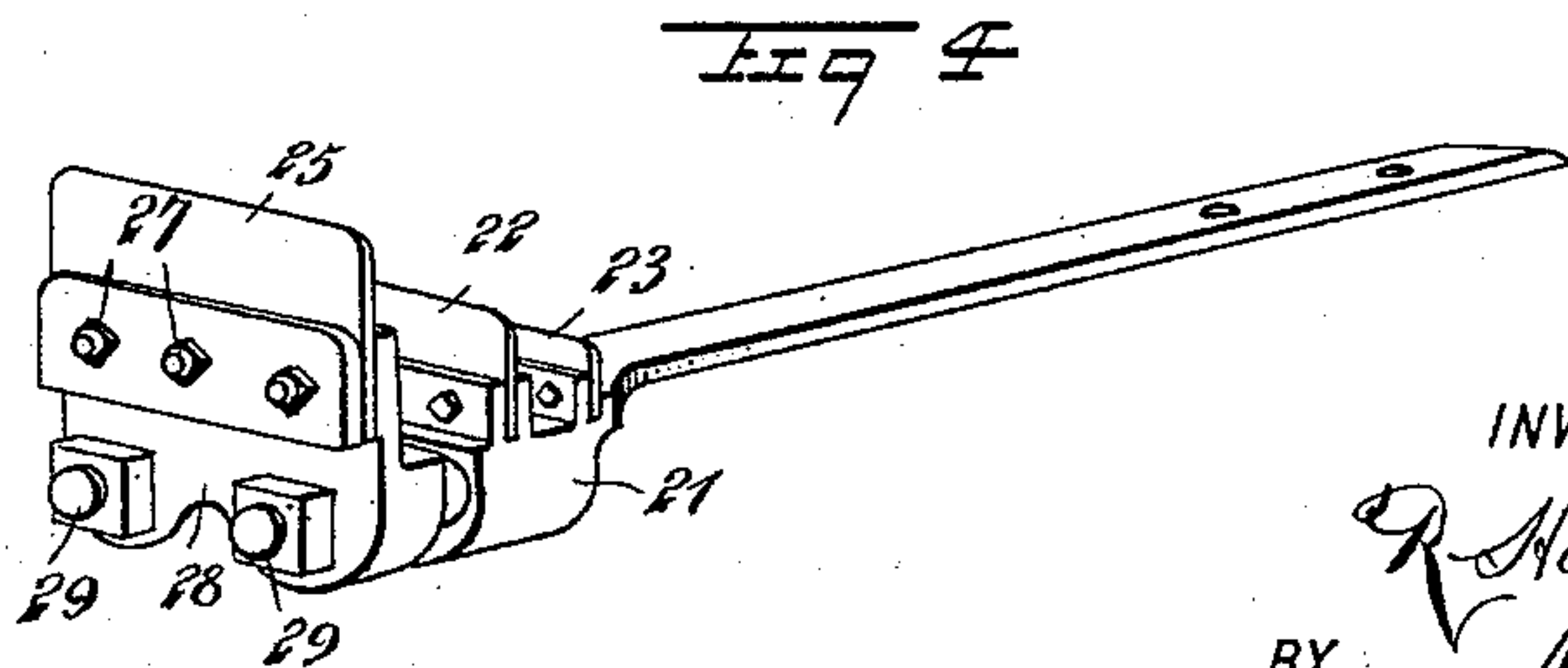
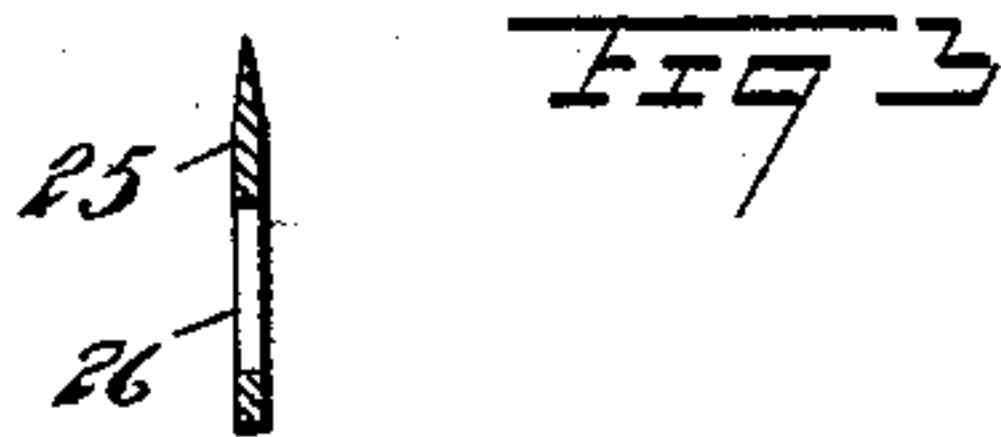
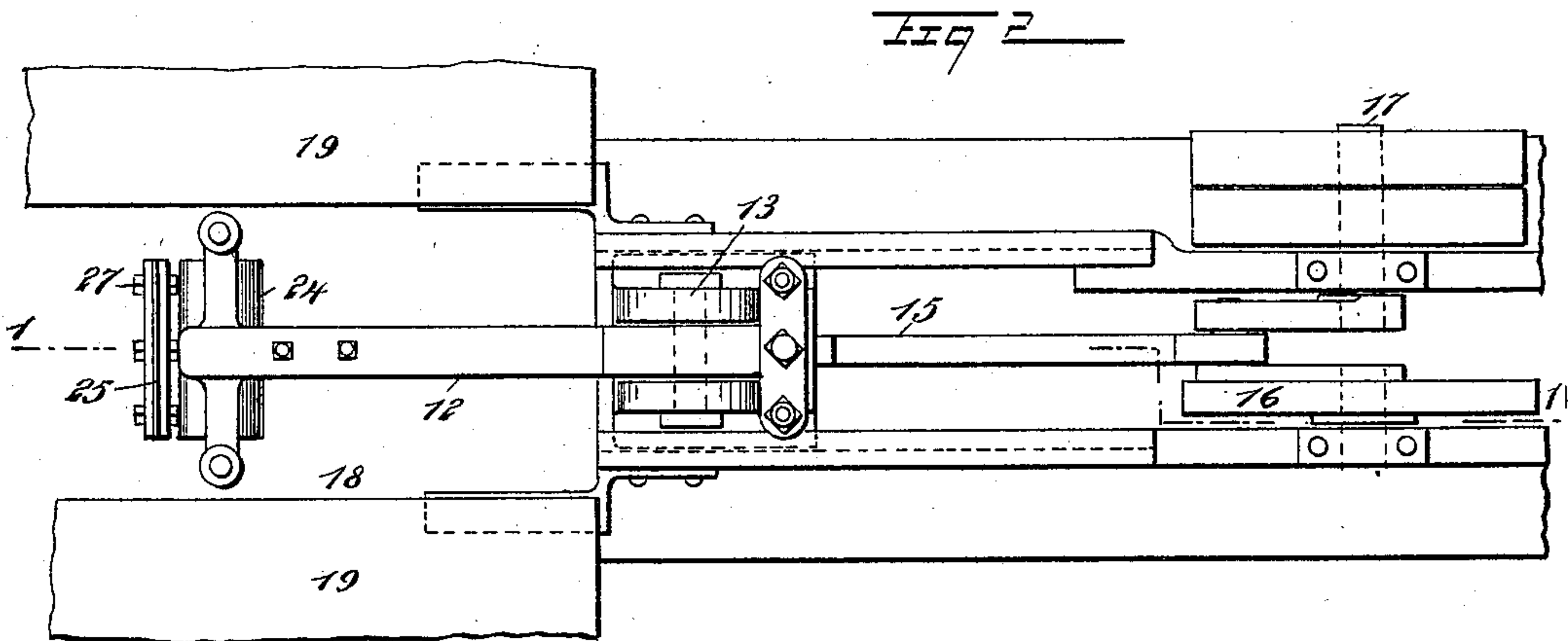
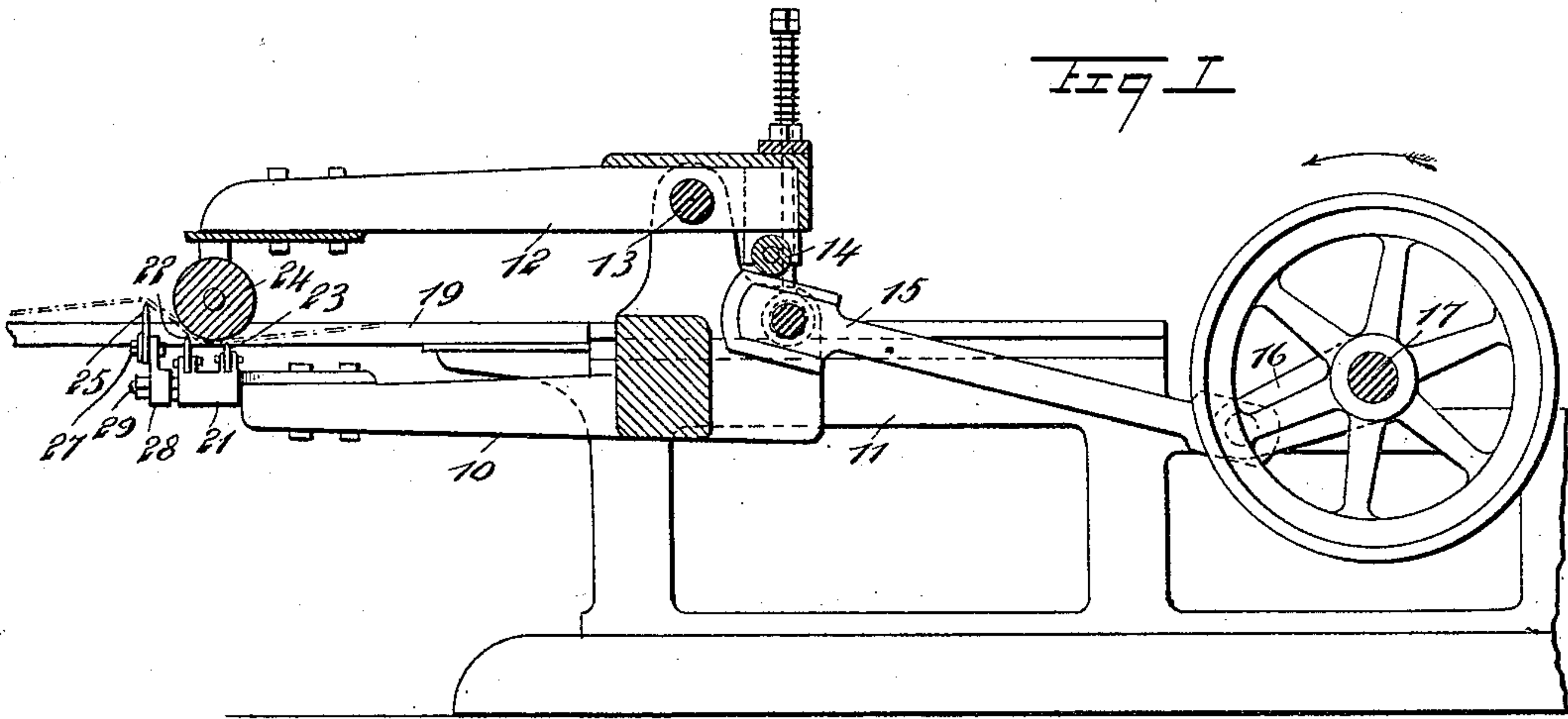


(No Model.)

R. HOLMES.
LEATHER STAKING MACHINE.

No. 538,914.

Patented May 7, 1895.



WITNESSES:

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UNITED STATES PATENT OFFICE.

RICHARD HOLMES, OF CRAMER'S HILL, NEW JERSEY.

LEATHER-STAKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 538,914, dated May 7, 1895.

Application filed January 15, 1895. Serial No. 534,986. (No model.)

To all whom it may concern:

Be it known that I, RICHARD HOLMES, of North Cramer's Hill, in the county of Camden and State of New Jersey, have invented a new and Improved Leather-Staking Machine, of which the following is a full, clear, and exact description.

My invention relates to improvements in leather or skin staking machines, such as employ a main and blind blade and a roller which is movable up and down on the blades.

The object of my invention is to arrange an extra or supplemental blade which, in connection with the roller and the blades usually employed, gives to the machine a double action and enables it to work rapidly on a skin, and also to thoroughly stretch and work the skin so as to stake it properly and also to increase its measurement.

To these ends my invention consists of certain features of construction and combinations of parts, 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 vertical cross-section on the line 1 1 of Fig. 2 of a staking-machine, showing my improvements. Fig. 2 is a broken plan view of the machine. Fig. 3 is a cross-section through the blade forming a part of my invention, and Fig. 4 is a detail perspective view of the head which carries the several blades.

I have shown my invention in connection with an ordinary staking machine which has a lower jaw 10 slidable in a suitable frame 11, an upper jaw 12 fulcrumed on the lower jaw as shown at 13 and adapted to move up and down, a roller 14 at the rear end of the upper jaw, a pitman 15 to engage the roller 14 and tilt the upper jaw, a crank 16 to actuate the pitman, and a driving shaft 17 to work the crank.

All the above mechanism is not shown nor described with much detail, because it forms no part of my invention.

The machine is also provided with a table 19 which has a slot 18 beneath which the several blades of the machine are held, the slot being opposite the jaws 10 and 12, so that the latter may move its roller down through

the slot. The jaw 10 carries the usual head 21 having secured thereto the main and blind blades 22 and 23 over which is held the roller 24 which is carried by the jaw 12 and is adapted to move up and down against the blades.

My improvement lies in the raised extra blade 25, which is held in front of the roller and is slotted vertically, as shown at 26 in Fig. 3, to receive the bolts 27 by which it is held to the supplemental head 28 which in turn is fastened by bolts 29 to the main head 21. The slot 26 permits the blade to be adjusted up and down to regulate the pressure on the skin, but the extra blade may be held and connected with the main head in any other suitable manner than that just described, without departing from the principle of my invention.

The machine is worked in precisely the usual way, the skin being between the roller 24 and the blades, as shown by dotted lines in Fig. 1. When the roller is depressed it forces the skin downward over the blade 22 and between it and the blade 23 in the ordinary way, and, at the same time, the skin is drawn over the extra blade 25, thus giving an additional stretch to the skin so that a double action takes place, twice the amount of stretching and scraping being given to the skin as is given by the usual method.

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

1. In a staking machine, the combination with the main blade and the movable roller opposite the blade, of an auxiliary scraping blade located in advance of the roller, substantially as described.

2. In a staking machine, the combination with the main blade and the movable roller opposite the blade, of an auxiliary scraping blade located in advance of the roller and having its edge facing in the same direction as that of the main blade, so that the main blade and the auxiliary blade will engage the same side of the material substantially as described.

RICHARD HOLMES.

Witnesses:

NATHAN E. SMITH,
CHARLES L. PARMALEE.