

(No Model.)

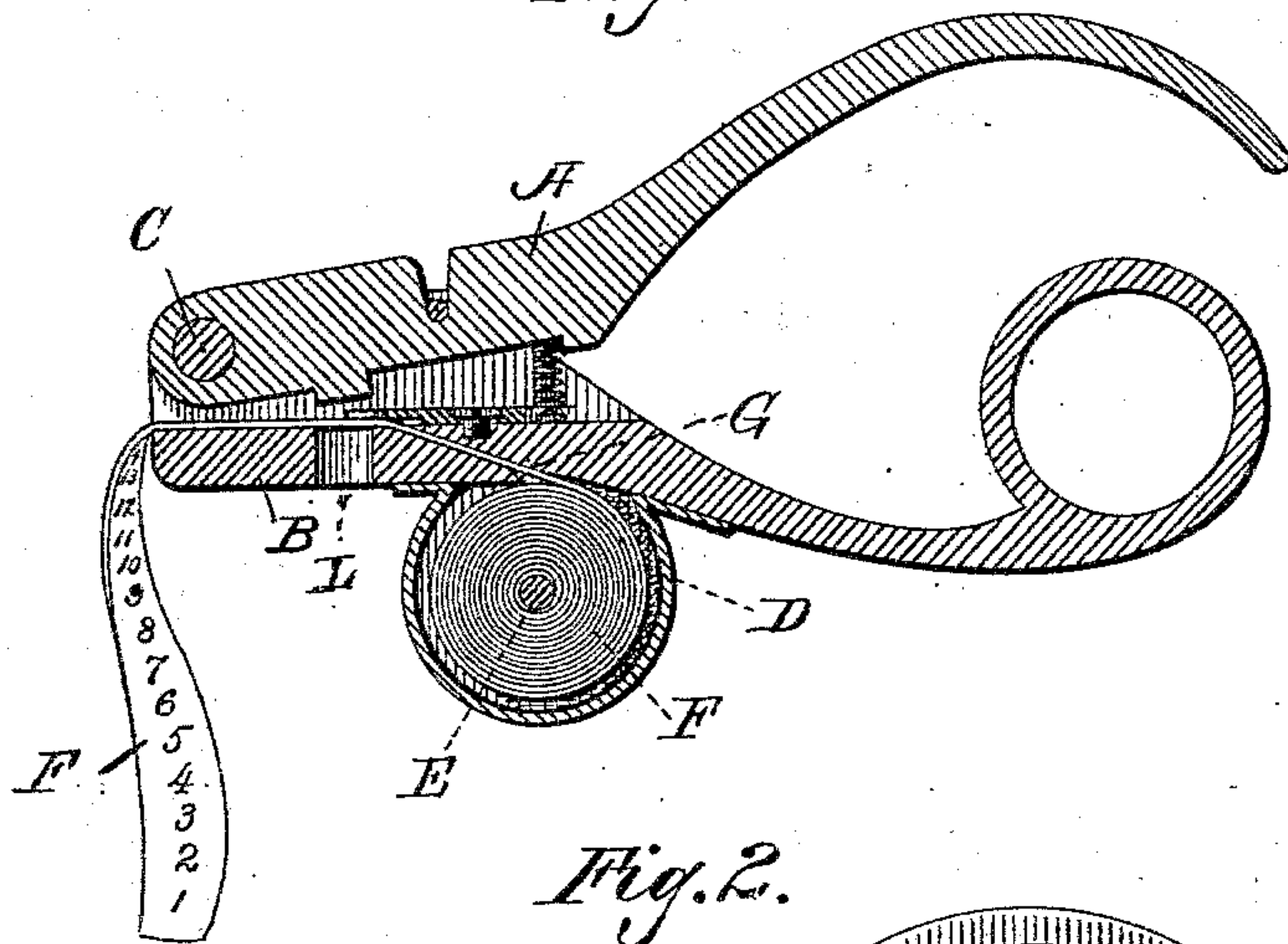
R. M. ROSE.

PUNCH.

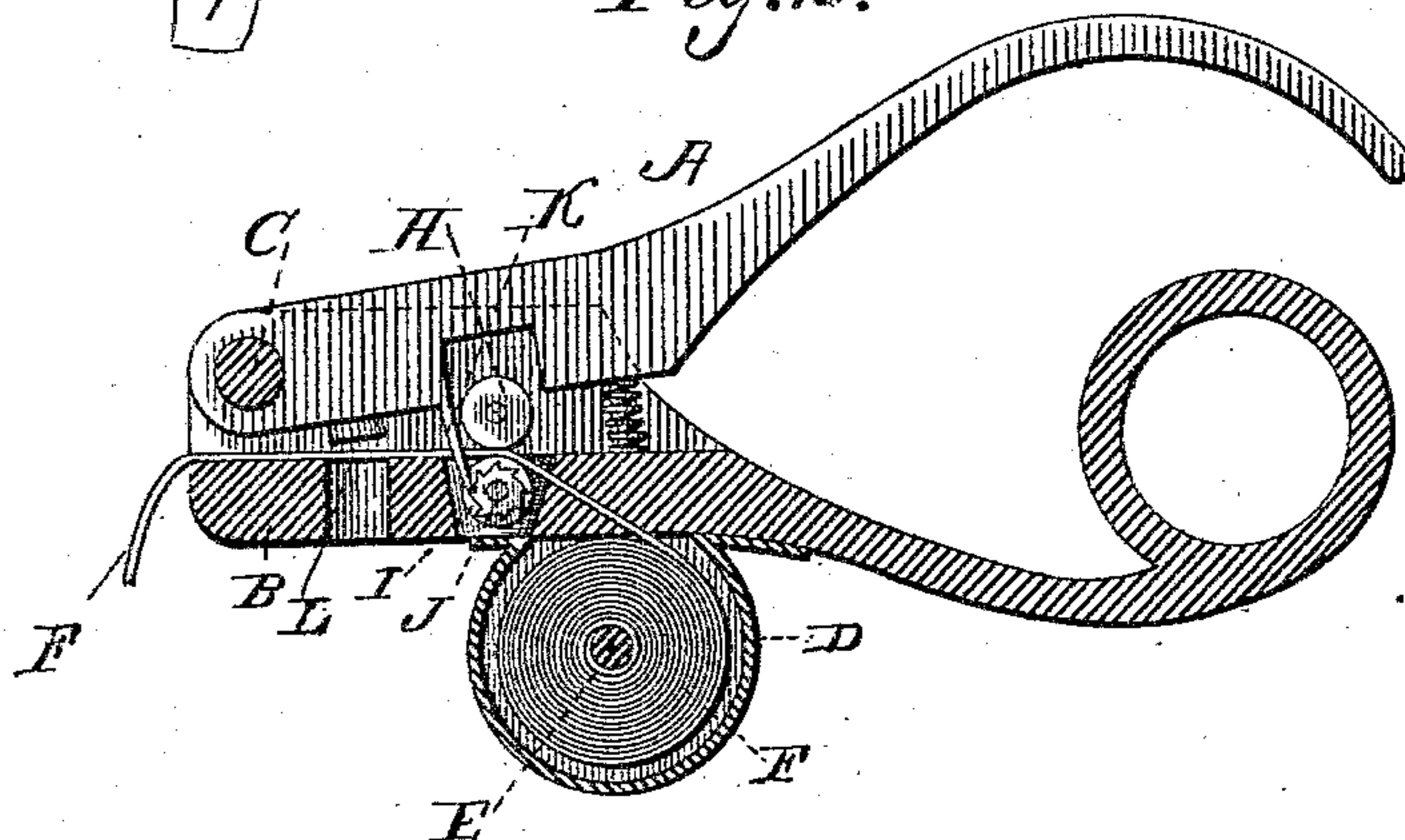
No. 295,052.

Patented Mar. 11, 1884.

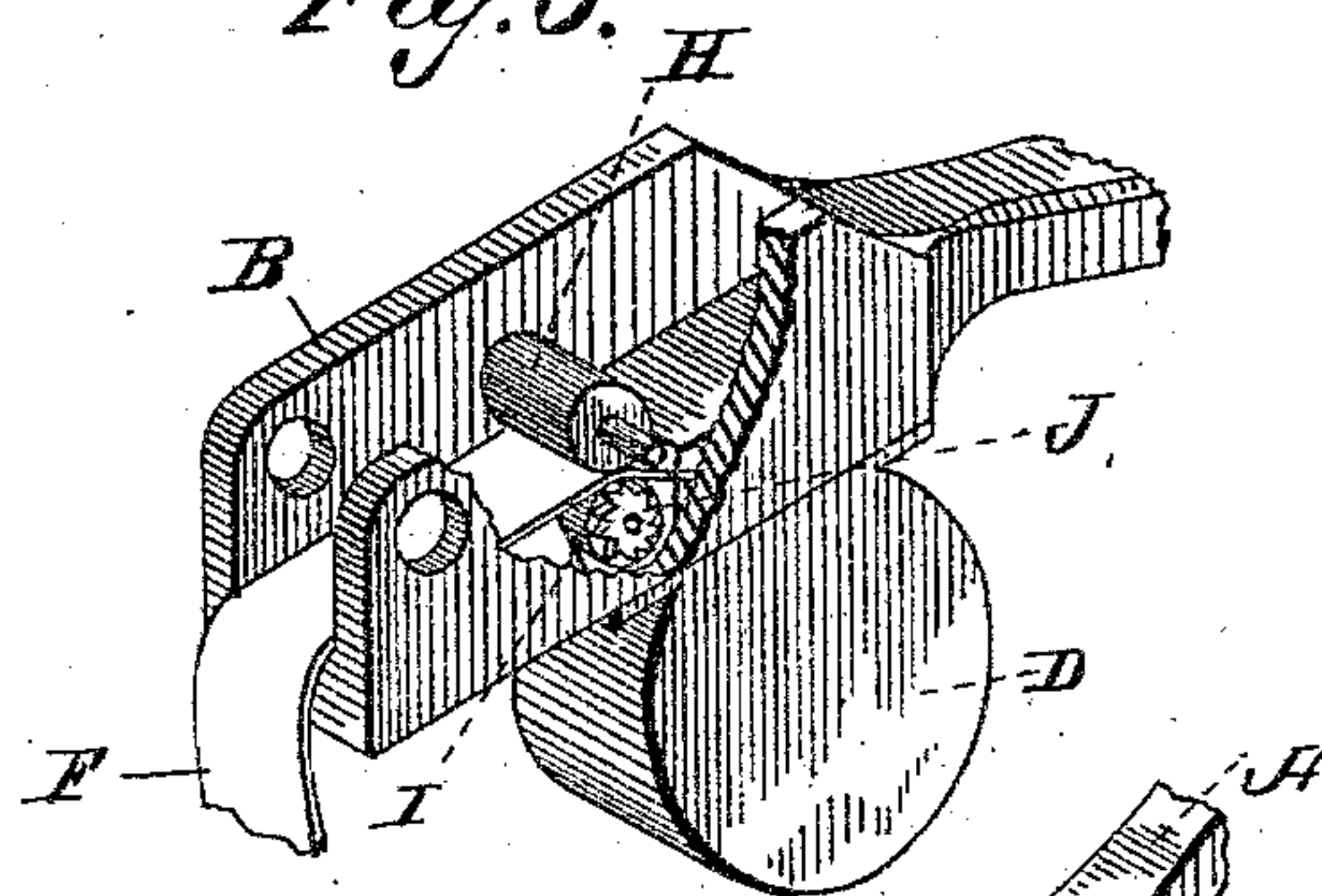
*Fig. 1*



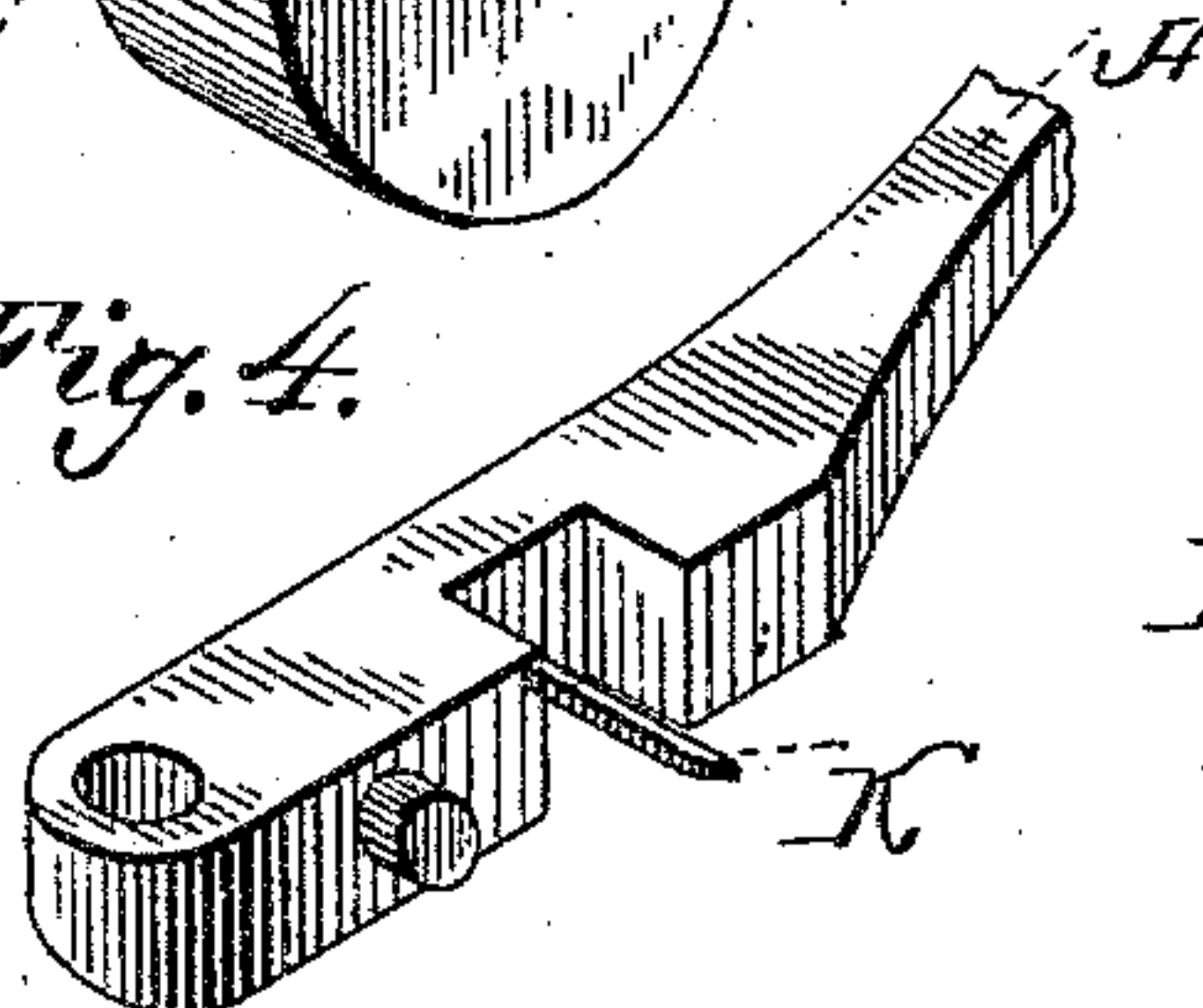
*Fig. 2.*



*Fig. 3.*



*Fig. 4.*



Witnesses:  
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# UNITED STATES PATENT OFFICE.

REUBEN M. ROSE, OF BROOKLYN, NEW YORK.

## PUNCH.

SPECIFICATION forming part of Letters Patent No. 295,052, dated March 11, 1884.

Application filed June 6, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, REUBEN M. ROSE, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Checking-Punches; and I do hereby 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.

My invention relates to certain novel and useful improvements in devices for punching trip-slips for use in horse-cars, &c., and has for its object to provide such a device to be used in connection with the ordinary fare register and recorder as a check on the conductor, or independent of said register and recorder, if desirable; and with these ends in view my invention consists in the details of construction and combination of elements hereinafter fully and in detail described, and then specifically designated by the claims.

In order that those skilled in the art to which my invention appertains may more fully understand its construction and operation, I will proceed to describe the same in detail, referring by letters to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a central vertical longitudinal section of a punch having secured thereto a box, within which is a roll of ribbon or paper wound around a rotating drum, and with the end brought up between the jaws of the punch; Fig. 2, a similar view, showing a set of friction-rolls pivoted within the lower jaw for the purpose of feeding out the paper intermittently; Fig. 3, a detail view of the lower jaw with the rolls pivoted therein, and Fig. 4 a detail view of the upper jaw with spring-pawl attached thereto for operating the ratchet to impart motion to the friction-rolls.

Similar letters denote like parts in the several figures of the drawings.

A is the upper jaw of the punch, and B the lower. It is not deemed necessary to enter into any detailed explanation of the punch itself, as my improvement is applicable to any punch. The two jaws are pivoted at C, and the cutter is secured to the upper jaw.

D is a box secured to the lower jaw, and E a drum mounted therein so as to rotate freely.

F is a strip of paper wound closely around this drum, the outer end being brought up through the slot G in the bottom of the lower jaw, out underneath the cutter L, all of which will be readily understood by reference to Fig. 1.

The strip of ribbon or paper is pulled out by the hand or fed out by proper mechanism, and may be perfectly blank, or numbers may be printed thereon, as may be desired. A box may or may not be secured in any well-known manner to the lower jaw under the cutter to form a receptacle for the bits of paper punched out. When used, said box is so constructed and attached to the lower jaw as to be readily removed for the purpose of examination, &c. In my improvement there is no lateral opening in the lower jaw, as the trip-slip is fed from the bottom, as hereinbefore set forth, which is especially advantageous, as there can be no danger of any foreign substance getting between the jaws. I am enabled to feed the slip of paper automatically by means of mechanism illustrated at Figs. 2, 3, and 4, which consists of two rolls, H I, pivoted within the lower jaw, one above the other. On one side of the lower jaw, I, is a ratchet-wheel, J.

K is a spring-pawl projecting downward from the upper jaw and adapted to engage with the ratchet-wheel J at the depression of said jaw, and thereby operate the feed-rolls. The slip F is arranged between the feed-rolls, and as the upper jaw is depressed the pawl K engages with the ratchet I and operates the feed-rolls, which causes the said slip to be fed out.

The surfaces of one or both rolls may be of rubber or any other suitable material, in order that more friction may be produced and the feeding rendered more positive.

The slip may have numbers printed thereon, or it may be left blank;—and, if desired, any suitable receptacle may be arranged to receive the punched particles of paper.

By the use of my improvement the separate slips now commonly in use are entirely dispensed with, and a continuous slip operated and controlled by the action of the punch itself substituted therefor.



I do not wish to confine myself to the exact style of punch shown, as my improvement is adapted to any punch.

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

1. A punch having a pair of jaws carrying, respectively, male and female dies, the lower jaw having a slot through it from its under side, and carrying a drum upon which the strip is coiled, and from which it is fed through the slot to a position between the jaws, substantially as described.

2. A ticket or strip punch comprising a

pair of jaws carrying male and female dies, 15 and mechanism, substantially as described, for feeding the strip intermittently, the lower jaw having a slot through it, and carrying a box with a drum therein, upon which the strip is coiled, and from which it is fed through the 20 slot to a position between the jaws, substantially as set forth.

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

REUBEN M. ROSE.

Witnesses:

S. S. WILLIAMSON,

W. W. MORTIMER.