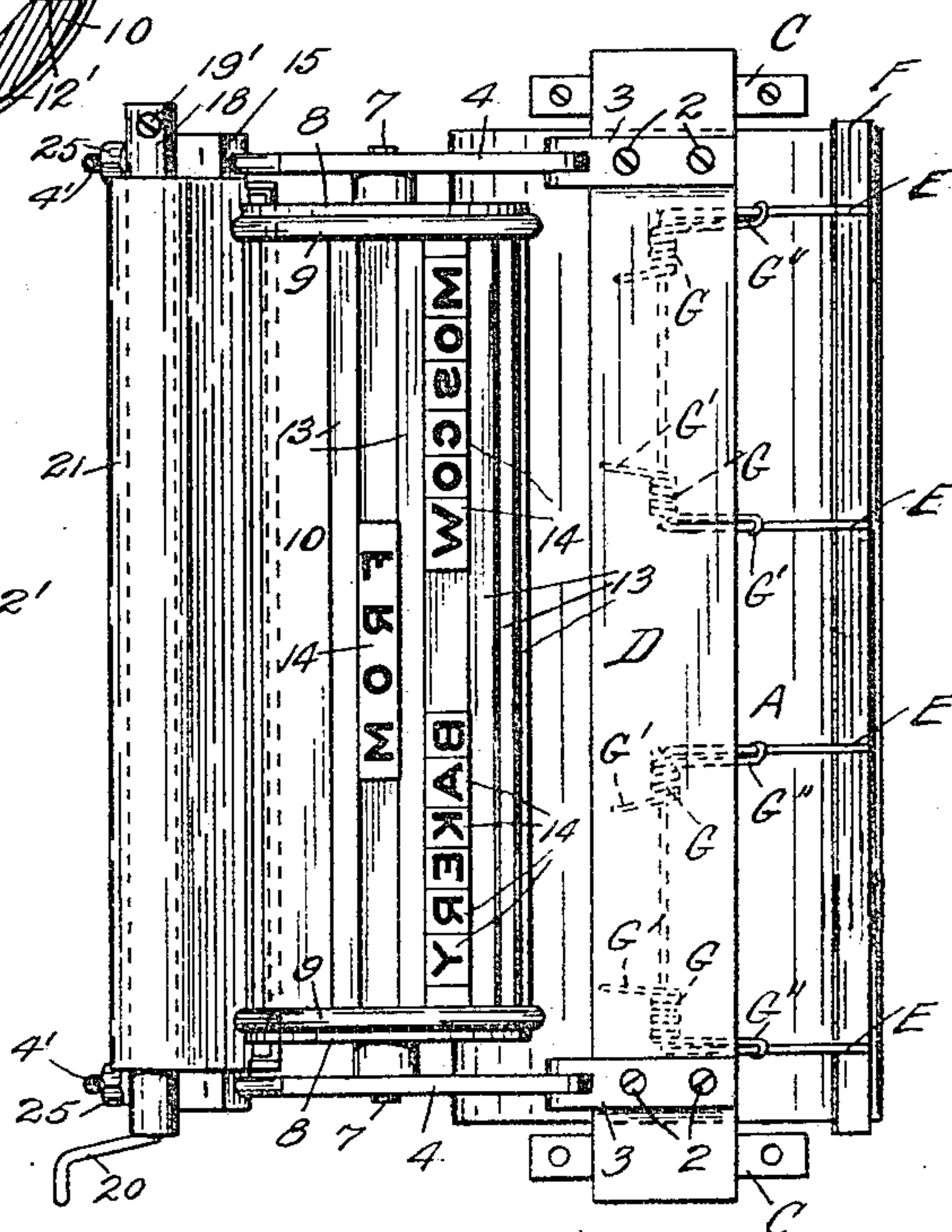
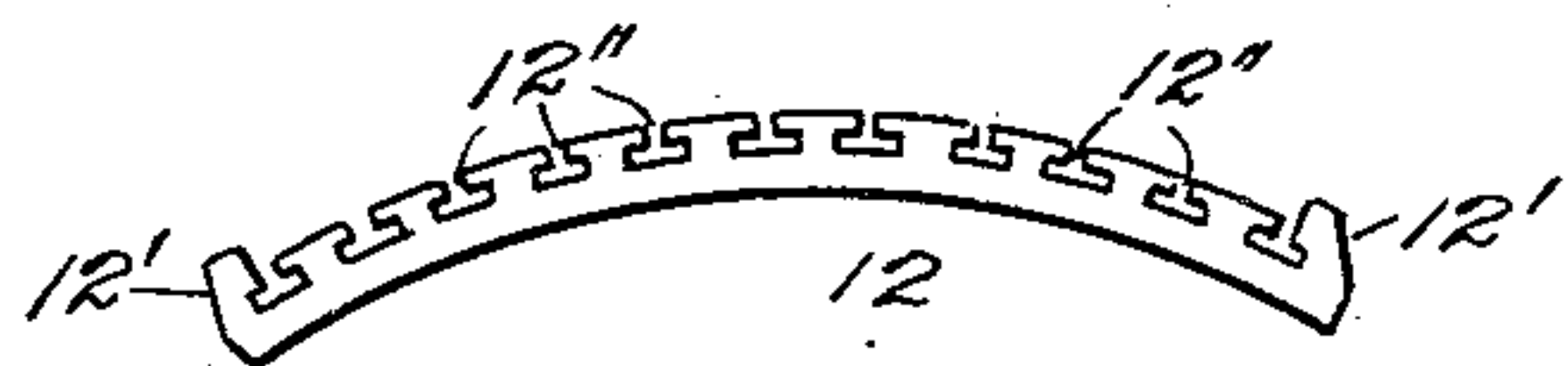
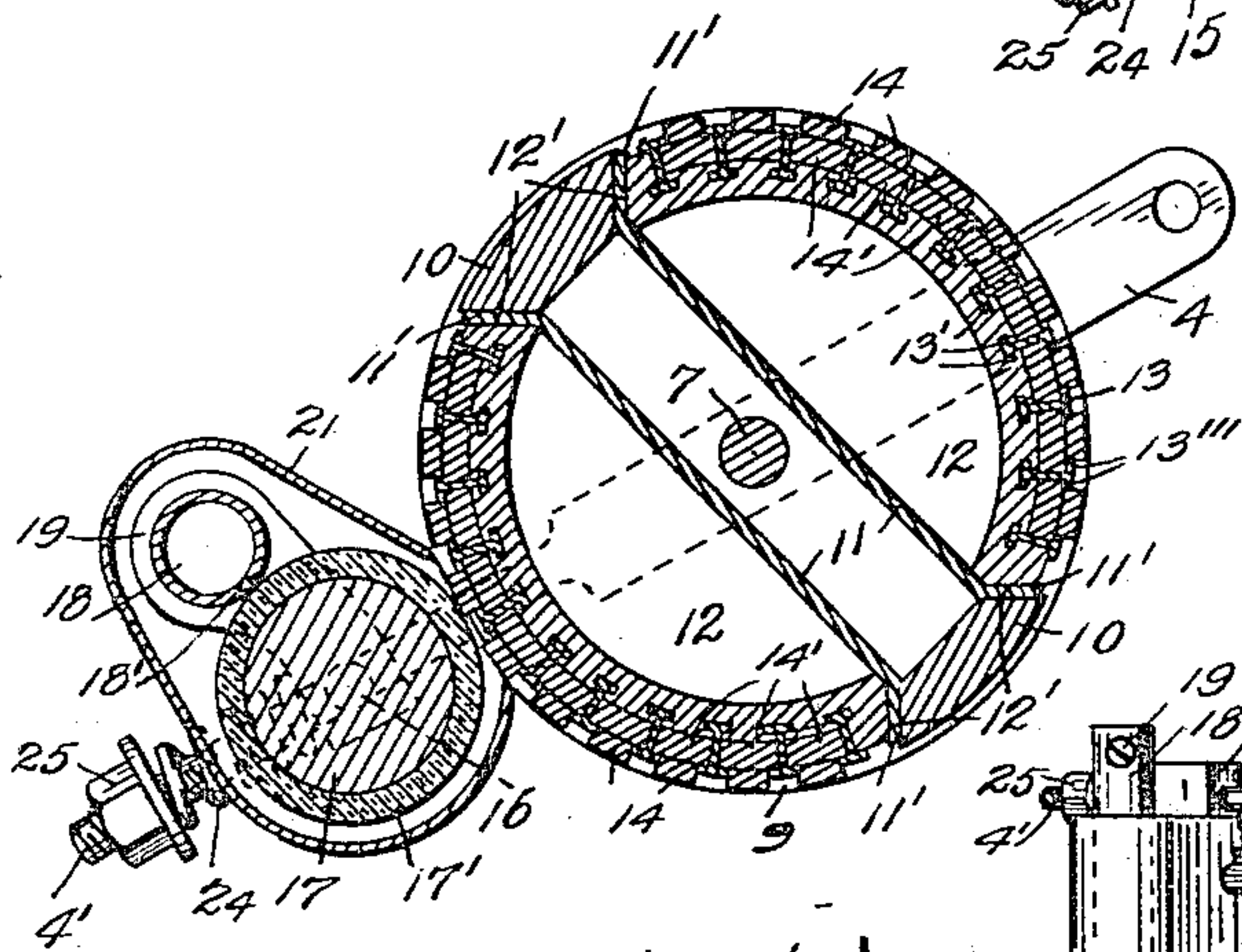
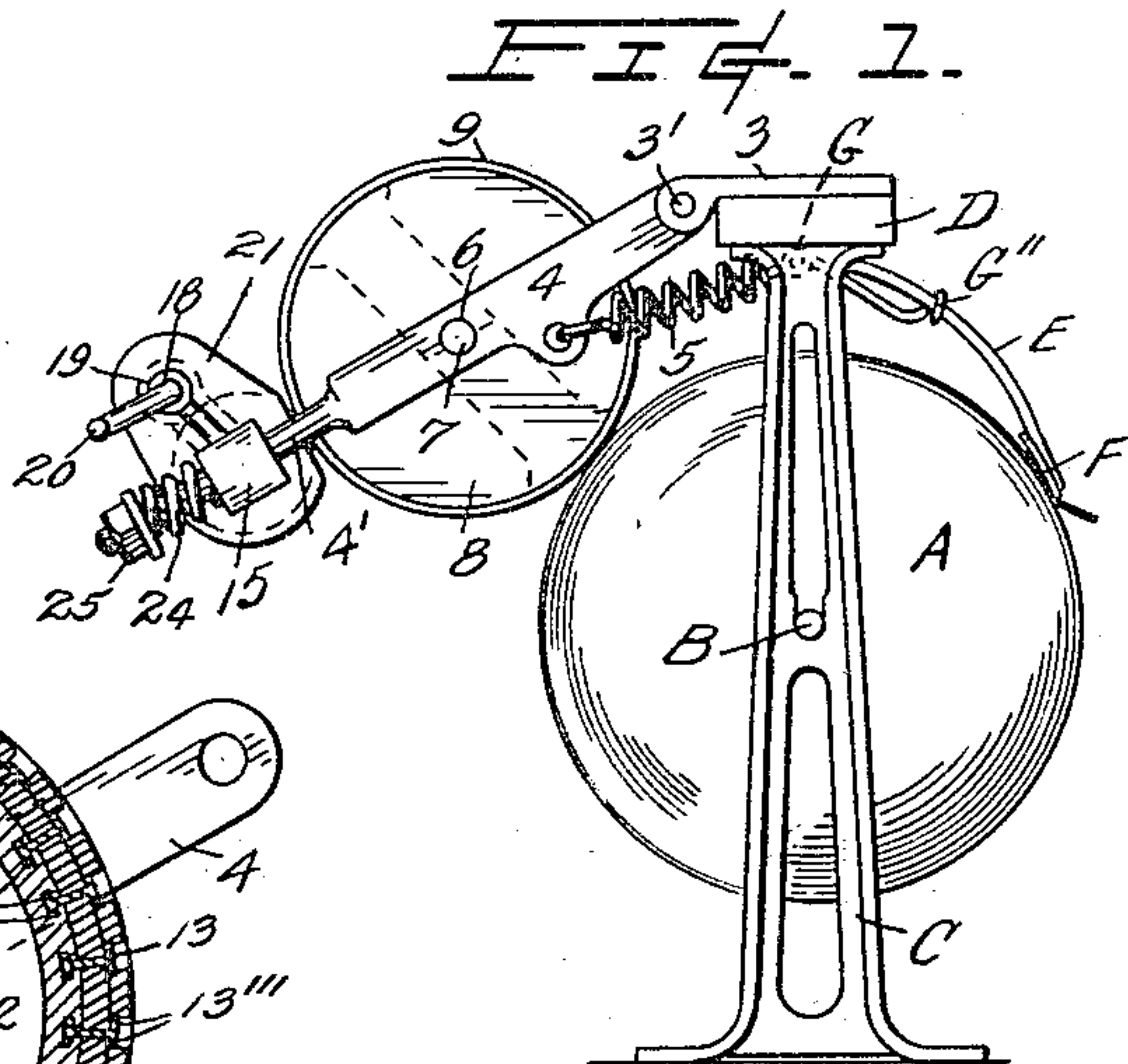
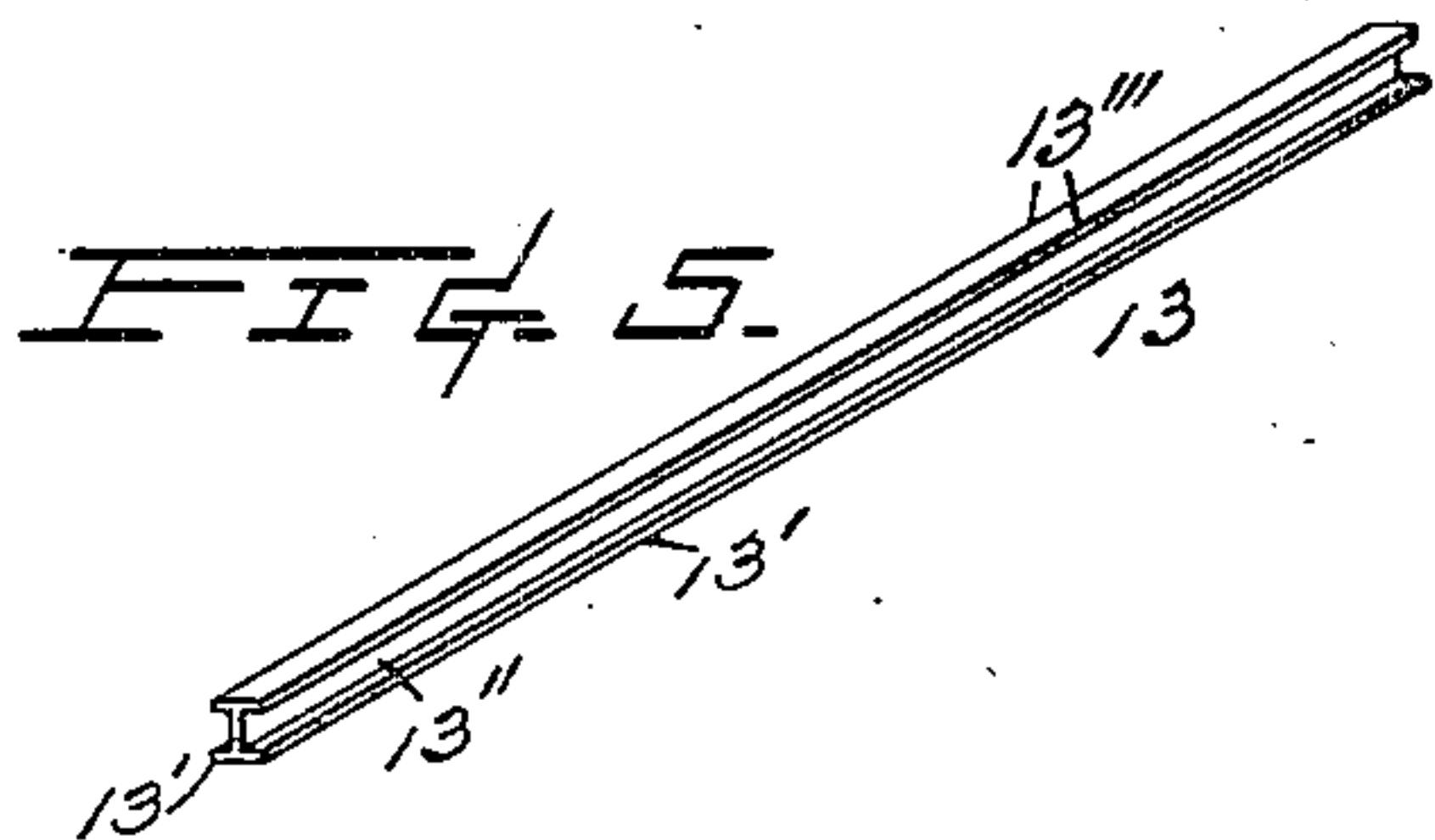


No. 831,744.

PATENTED SEPT. 25, 1906.

H. REHLINGHAUS.
PAPER MARKING APPARATUS.
APPLICATION FILED JAN. 8, 1906.



WITNESSES:
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HERMANN REHLINGHAUS, OF MOSCOW, IDAHO.

PAPER-MARKING APPARATUS.

No. 831,744.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed January 8, 1906. Serial No. 295,045.

To all whom it may concern:

Be it known that I, HERMANN REHLINGHAUS, a citizen of the United States, residing at Moscow, in the county of Latah and State of Idaho, have invented certain new and useful Improvements in Paper-Marking Apparatus, of which the following is a specification, reference being had therein to the accompanying drawings, in which—

Figure 1 is a side elevation, and Fig. 2 is a plan view, of apparatus embodying my invention connected to a paper-roll frame. Fig. 3 is an enlarged cross-sectional view of the apparatus shown detached. Fig. 4 is an end view of a type-carrier. Fig. 5 is a perspective view of a type-holding bar.

The object of this invention is to provide improved devices whereby paper as it is withdrawn from a roll is automatically marked with words or other printed characters, which may be in the nature of a name or other advertising matter. The invention consists in the novel construction, adaptation, and combination of parts, as will be hereinafter described and finally pointed out in the claims.

In the drawings the reference-letter A designates a roll of paper, such as is used for wrapping purposes, and is provided axially with a stick B, having its ends rotatably mounted in the end standards C of a counter-frame and includes a connecting top piece D. Tiltably secured to the latter by arms E is a cutter-blade F, which is resiliently pressed against the paper-roll by coil-springs G, having terminal arms G' and G'', which respectively bear against the under side of said frame top piece and the upper sides of the arms. All of the aforesaid parts are or may be of ordinary or suitable construction.

Detachably secured to the frame and desirably to the top piece D thereof, as by screws 2, are attachments 3, having bifurcated protruding ends, to which are pivotally connected by pins 3' the arms 4, and which latter are also connected to the frame by extensible springs 5. These arms are each provided with apertures 6, wherein is journaled the spindle 7, which carries in proximity of its ends disks or wheels 8, each provided with a peripheral groove to receive tires 9 of rubber or other flexible material. Said disks are connected with each other by longitudinal members 10, disposed at or near the circumference of the disks, and also by oppositely-disposed plates 11, having mar-

ginal bends 11', against which the edges 12' of the type-carriers 12 are seated. These type-carriers (see Figs. 3 and 4) each comprise a curved plate, having a plurality of T-shaped grooves 12'' therein for the reception of interfitting flanges 13' of the type-holding bars 13, having a central web 13'' and outer flanges 13'''. The type 14 are formed of rubber or other suitable material upon backing-pieces 14', which are adapted to register between two of the adjacent bars and against the outer face of the carrier thereat.

Slidably mounted upon rod extensions 4' of the arms 4 are blocks 15, in which are journaled the spindle ends 16, upon which is a drum 17, having a peripheral covering 17', of felt or other absorbent material, whereby the ink is evenly applied to the type as the latter revolves. The ink is predeterminedly supplied to such absorbent covering from a tubular reservoir 18, extending through bearings 19, secured to the blocks 15, and having in one of the protruding ends a charging-aperture provided with a plug-closure 19', and formed or provided upon the other end is a crank-handle 20 to conveniently rotate the reservoir to present the discharge-apertures 18' in position to permit the marking fluid to flow outwardly from the reservoir upon the felt or, when in a more elevated position, to prevent the outflow of the same.

In practice the inking devices are inclosed in a casing 21 to protect the same from dirt and getting into contact with the operator. To cause the inking device to be adjustably pressed against the type, coil-springs 24 are provided upon the arms 4' and their tension adjustably regulated by nuts 25, screwed upon the threaded ends of the latter.

The manner of operating the invention is as follows: When the paper is withdrawn from the roll by an outward pull, as customary, the roll is turned in unwinding, and thereby effects the revolutions of the printing-type through the frictional contact of the rubber tires in the disks which are connected therewith. In revolving, the type come successively into contact with the exposed surface of the absorbent material and wiping against the same causes the type to be inked or charged with the marking fluid and which is at a later portion of the travel of the type imprinted upon the paper-roll, and thereby accomplishes the purpose of the invention.

It is to be noted that the printing matter

may be varied by changing the type and also that the operation of the invention is entirely automatic in its action, requiring no other attention than to replenish the marking fluid as it is consumed.

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

1. A marking device comprising in combination with a support, a type-wheel sustained therefrom, and consisting of a spindle, disks mounted on the ends of said spindle, oppositely-disposed plates having marginal outwardly-extending bends secured to said disks, longitudinal members engaging between said bends and secured to said disks, type-carriers consisting of curved plates formed with slots engaging between the bends of each plate, type-holding bars engag-

ing in said slots of said curved plates, and means for feeding ink to said type-wheel.

2. A marking device comprising in combination with a support, a type-wheel sustained therefrom, and embodying a spindle, disks on the ends of the spindle, a pair of plates mounted on opposite sides of said spindle and secured to said disks, longitudinal members engaging between the inner sides of the plates, type-carriers engaging between the outer sides of the plates, and type-holding bars sustained from said type-carriers.

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

HERMANN REHLINGHAUS.

Witnesses:

W. A. LANDER,
ALBERT DYGERT.