

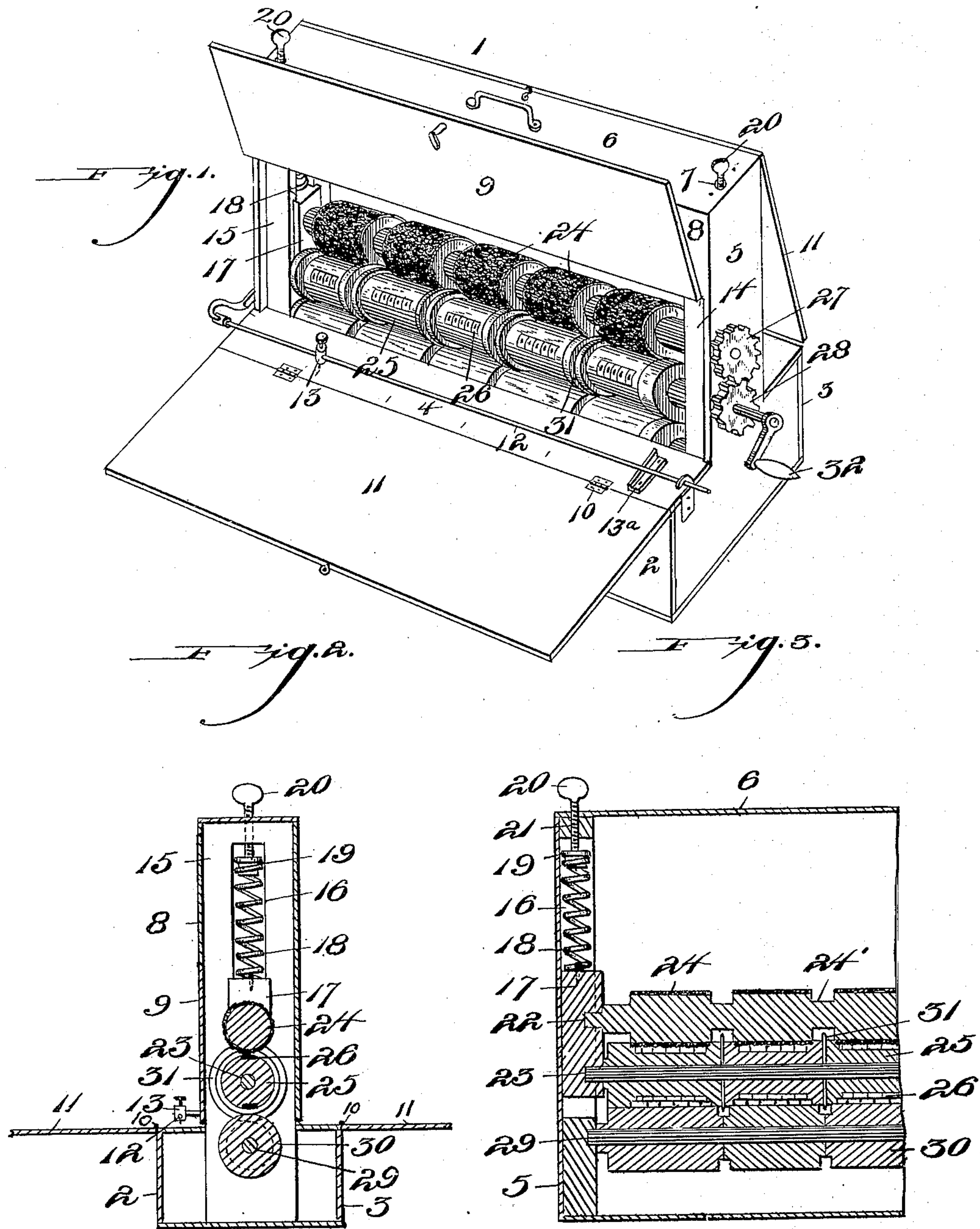
No. 627,331.

Patented June 20, 1899.

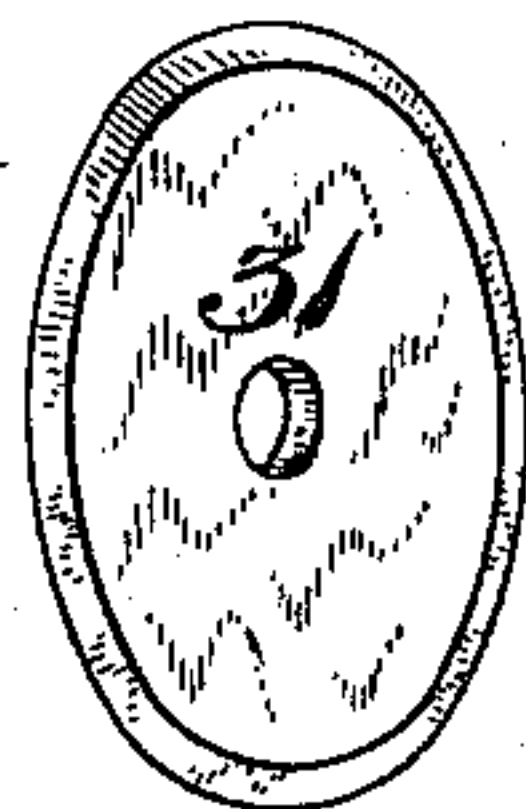
J. EICHERT.
STAMP CUTTER AND CANCELING MACHINE.

(Application filed May 12, 1898.)

(No Model.)



WITNESSES:
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UNITED STATES PATENT OFFICE.

JOHN EICHERT, OF PITTSBURG, PENNSYLVANIA.

STAMP CUTTER AND CANCELING MACHINE.

SPECIFICATION forming part of Letters Patent No. 627,331, dated June 20, 1899.

Application filed May 12, 1898. Serial No. 680,523. (No model.)

To all whom it may concern:

Be it known that I, JOHN EICHERT, a citizen of the United States of America, residing at Pittsburg, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Stamp Cutters and Canceling Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain new and useful improvements in stamp canceling and cutting machines.

My invention particularly relates to a machine adapted to cancel and cut simultaneously sheets of revenue-stamps.

The object of my invention is to provide a machine of this character having a combined stamp-canceler and cutting-rolls, whereby the stamping and cutting is done simultaneously.

My invention further consists in the novel combination and arrangement of parts to be hereinafter specifically described, illustrated in the accompanying drawings, and particularly pointed out in the claims.

In the drawings, Figure 1 is a perspective view of my improved stamp canceling and cutting device. Fig. 2 is a vertical sectional view thereof. Fig. 3 is a longitudinal sectional view of the machine, partly broken away. Fig. 4 is a perspective view of one of the cutters.

Like figures of reference indicate corresponding parts throughout the several views of the drawings, in which—

1 indicates the casing, having sides 2 and 3 and top 4, forming ledges. The sides 3 have vertical extensions 5 and a cross-piece 6, suitably secured thereto, having apertures formed therein at each end, as at 7. Secured to the extension 5 and cross-piece 6 is a side piece which is formed of an upper and lower section, the upper section 8 being secured to the extension 5 and cross-piece 6, and the lower section 9 being hinged to the upper section 8. Hinged, as at 10, to the upper edge of the ledge formed by the sides 2 and top 4 are extensions 11, used as supports for the stamps to be canceled and cut. Secured to the top 4 and one of the extensions 5, on one side thereof, by suitable fastening means is a rod-gage 12, carrying an adjustable guide 13 for

guiding the sheets of stamps as they are fed onto the rolls. Also secured upon the top 4 is a stationary guide 13^a, located in alinement with the one end of the rolls, so that the stamps will be guided into perfect engagement with the said rolls. Secured in the casing to the extensions 5 are vertical standards 14 and 15, spaced apart to form elongated slots 16 between them.

17 are oblong blocks adapted to slide in the slot 16 of the standards. Secured to the upper edge of the said blocks are coil-springs 18, the upper end of the coil-springs being pivotally attached to the disk 19, which is secured to the lower end of the set-screw 20. The set-screw 20 operates in the screw-threaded apertures 21, formed in the standards 14 and 15, and apertures 7 of the cross-piece 6 and is used for adjusting the inking and canceling rolls, hereinafter referred to in connection with the platens or friction-rolls. Journaled in the blocks 17 are shafts 22 and 23, the shaft 22 having secured thereto a series of inking-rolls 24, suitably spaced apart, as at 24', which contact with a series of stamp-canceling rolls 25, secured on the shaft 23, having suitable type 26 secured therein for canceling purposes. One end of the shafts 22 and 23 extends through one of the blocks 17 and one of the extensions 5 and projects a certain distance therefrom and has secured thereto suitable gear-wheels 27 28, meshing with each other.

Journaled in the standards below the blocks 17 is a shaft 29, carrying a series of platens or friction-rolls 30, which contact with the stamp-canceling rolls 25 and are suitably spaced apart. Secured to the shaft 23 between the stamp-canceling rolls are cutters 31, adapted to cut the stamps when they are passed between the stamp-canceling rolls and the platens or friction-rolls. Secured to the gear-wheel 28 is a handle 32 for operating the series of rolls.

When feeding the stamps into the machine, the right-hand edge of the sheet is placed against the guide 13^a and the adjustable gage 13 then moved longitudinally of the rod-gage 12 until it is brought against the left-hand edge of the sheet in order that the latter may be guided evenly between the rolls. The end of the sheet is then inserted between the plat-

ens or friction-rolls and the canceling-rolls, and as motion is communicated to these rolls through the medium of the crank and gears the sheet is drawn inwardly between the rolls and is contacted by the cutters 31, which separate the sheet into strips ready for applying to the package to be stamped. The operation of this set of rolls also simultaneously operates the shaft 22, which carries the inking-rolls, and these inking-rolls contacting with the type on the canceling-rolls serve to ink the type, which come into contact with each strip of stamps and cancels the same before it is passed out onto the extension 11 at the opposite side of the machine.

In the foregoing I have described with more or less minuteness certain precise forms of constructing my improved stamp cutter and canceling machine, yet I do not wish to limit myself unduly to the precise form as herein shown and described, but, on the contrary, desire to make such changes in construction as the omission of parts, substitution of equivalents, and the like as the circumstances may suggest or as may be deemed expedient.

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

1. In a machine of the character described, the combination of a series of canceling-rolls, a series of cutters between said canceling-rolls, a series of inking-rolls arranged above said canceling-rolls, and a series of friction-rolls arranged below said canceling-rolls, substantially as set forth.

2. In a stamp canceling and cutting machine comprising a suitable casing, standards secured in said casing, oblong blocks adapted to slide in said standards, a shaft carrying a series of inking-rolls suitably spaced apart and journaled in said blocks below said shaft carrying the inking-rolls, and a shaft carrying a series of friction-rollers journaled in said standards below said shaft carrying said series of canceling-rolls, substantially as herein shown and described.

3. In a stamp canceling and cutting machine comprising a suitable casing, standards secured in said casing, oblong blocks adapted to slide in said standards, a shaft carrying a series of inking-rolls suitably spaced apart and journaled in said blocks, a shaft carrying a series of canceling-rolls journaled in said block below said shaft carrying the inking-rolls, a series of cutters mounted on said shaft between said canceling-rolls and a shaft carrying a series of friction-rolls journaled in said standards below said shaft carrying said series of canceling-rolls, substantially as shown and described.

4. In a stamp canceling and cutting machine comprising a suitable casing, standards secured in said casing, oblong blocks adapted to slide in said standards, a pair of shafts journaled in said blocks, the upper of said shafts carrying a series of inking-rolls suitably spaced apart and the lower of said

shafts carrying a series of canceling-rolls, said inking and canceling rolls contacting with each other, a shaft journaled in said standards below the shaft carrying the canceling-rolls having secured thereto a series of friction-rolls, and means for operating said rolls, substantially as herein shown and described.

5. In a stamp canceling and cutting machine comprising a suitable casing, standards secured in said casing, oblong blocks adapted to slide in said standards, a pair of shafts journaled in said blocks, the upper of said shafts carrying a series of inking-rolls suitably spaced apart and the lower of said shafts carrying a series of canceling-rolls the said inking and canceling rolls contacting with each other, a series of cutters mounted on said lower shaft between said canceling-rolls, a shaft journaled in said standards below the shaft carrying the canceling-rolls having secured thereto a series of friction-rolls, and means for operating said rolls, substantially as herein shown and described.

6. In a stamp canceling and cutting machine comprising a suitable casing, extensions 11 hinged to the top of said casing and adapted to fall against the same, standards mounted in said casing having elongated slots formed between the same, oblong blocks adapted to slide in said slots, adjusting-springs, one end of said springs secured to said blocks and the opposite end engaging a set-screw, a pair of shafts journaled in said blocks, one of said shafts carrying a series of inking-rolls and the other carrying a series of canceling-rolls, a shaft journaled in said standards below the aforementioned shafts and in alignment therewith, a series of platens or friction-rollers carried by the said shaft, and means whereby the said rolls are operated, substantially as herein shown and described.

7. In a stamp canceling and cutting machine, comprising a suitable casing, extensions 11 hinged to the top of said casing and adapted to fall against the same, standards mounted in said casing having elongated slots formed therein, oblong blocks adapted to slide in said slots, adjusting-springs one end of said springs secured to said blocks and the opposite end engaging a set-screw, a pair of shafts journaled in said blocks, one of said shafts carrying a series of inking-rolls and the other carrying a series of canceling-rolls, a series of cutters mounted between said canceling-rolls, a shaft journaled in said standards below the aforementioned shafts and in alignment thereof, a series of platens or friction-rollers carried by the said shaft an adjustable gage having a guide mounted thereon in front of said rolls, and means whereby the said rolls are operated, substantially as shown and described.

8. In a machine of the character described, the combination of a series of canceling-rolls, a series of cutters, a series of inking-rolls arranged to contact with said canceling-rolls,

a series of platens or friction-rolls also arranged to contact with said canceling-rolls, and means for operating said rolls.

9. In a machine of the character described,
5 the combination of a series of canceling-rolls, a series of cutters, a series of inking-rolls arranged to contact said canceling-rolls, a series of platens or friction-rolls also arranged to contact said canceling-rolls, means for ver-

tically adjusting the inking and canceling rolls, and means for imparting motion to said rolls.

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

JOHN EICHERT.

Witnesses:

JOHN NOLAND,

WILLIAM E. MINOR.