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F. BJURSTRÖM.

INKING APPARATUS FOR STAMP CANCELING AND POSTMARKING MACHINES.

APPLICATION FILED JAN. 19, 1905.

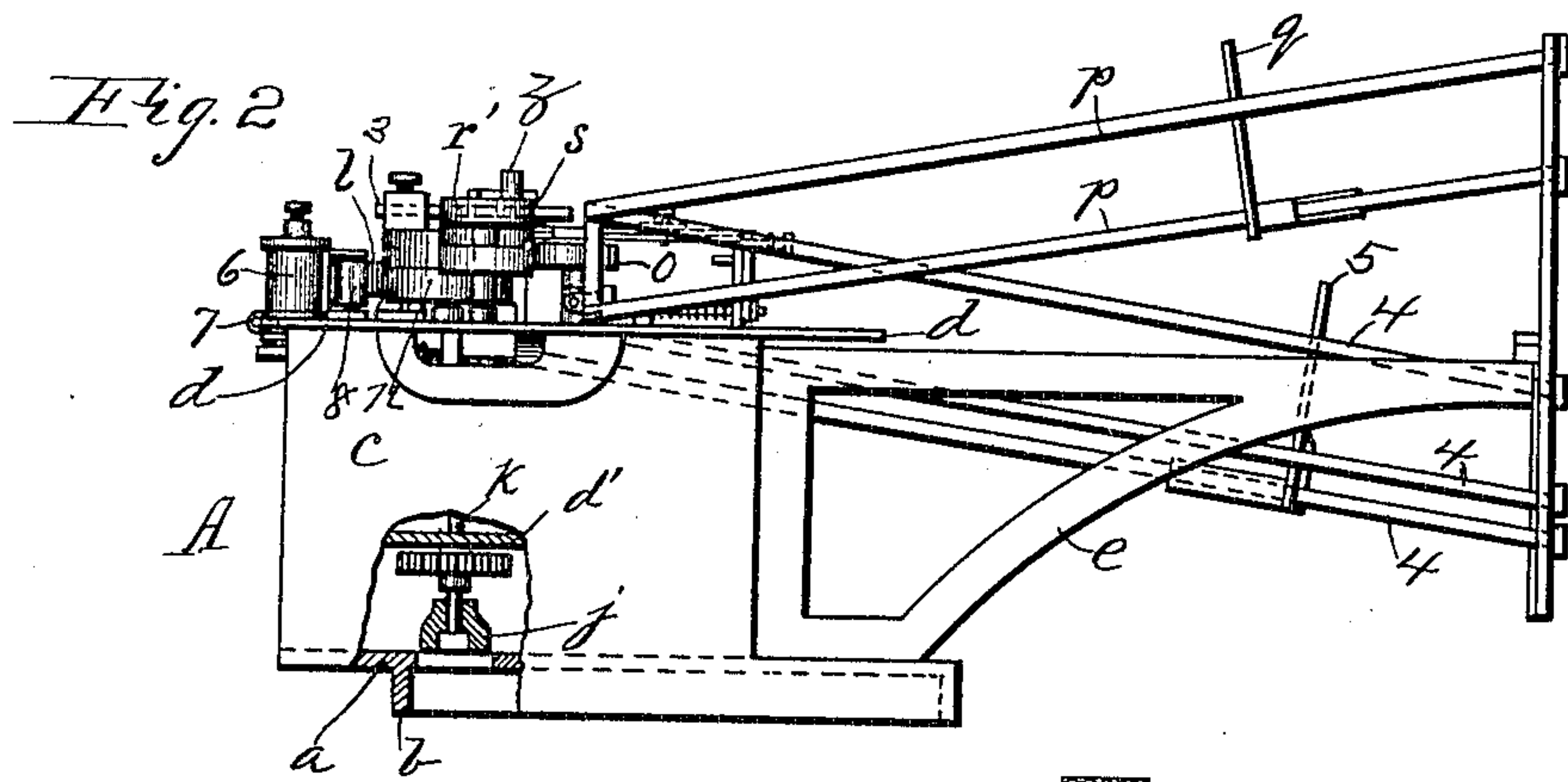
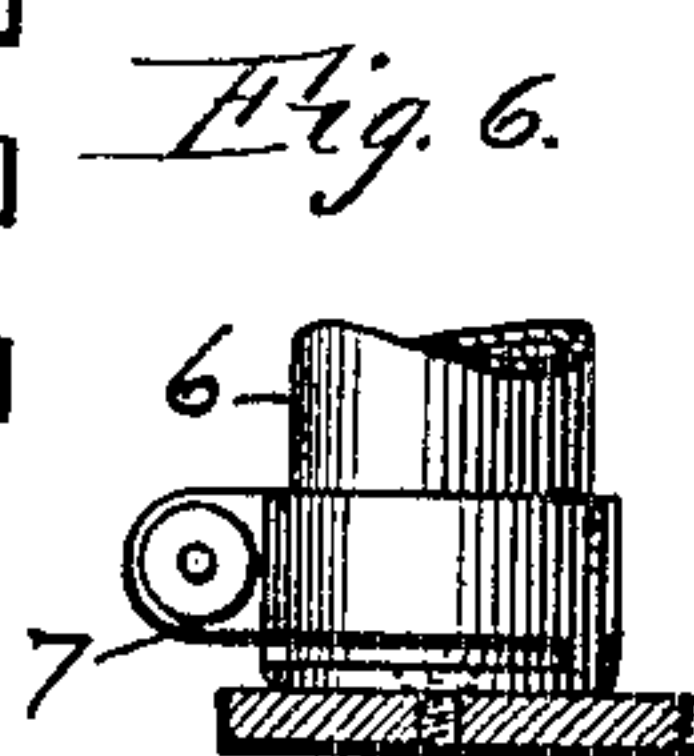
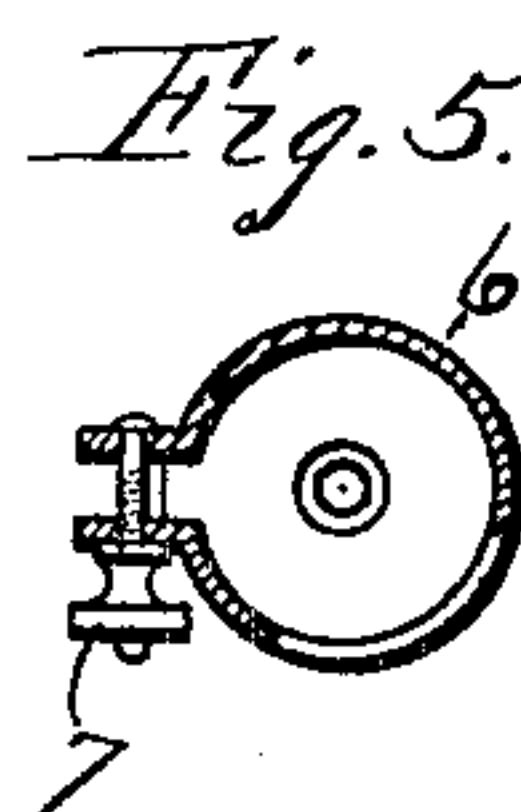
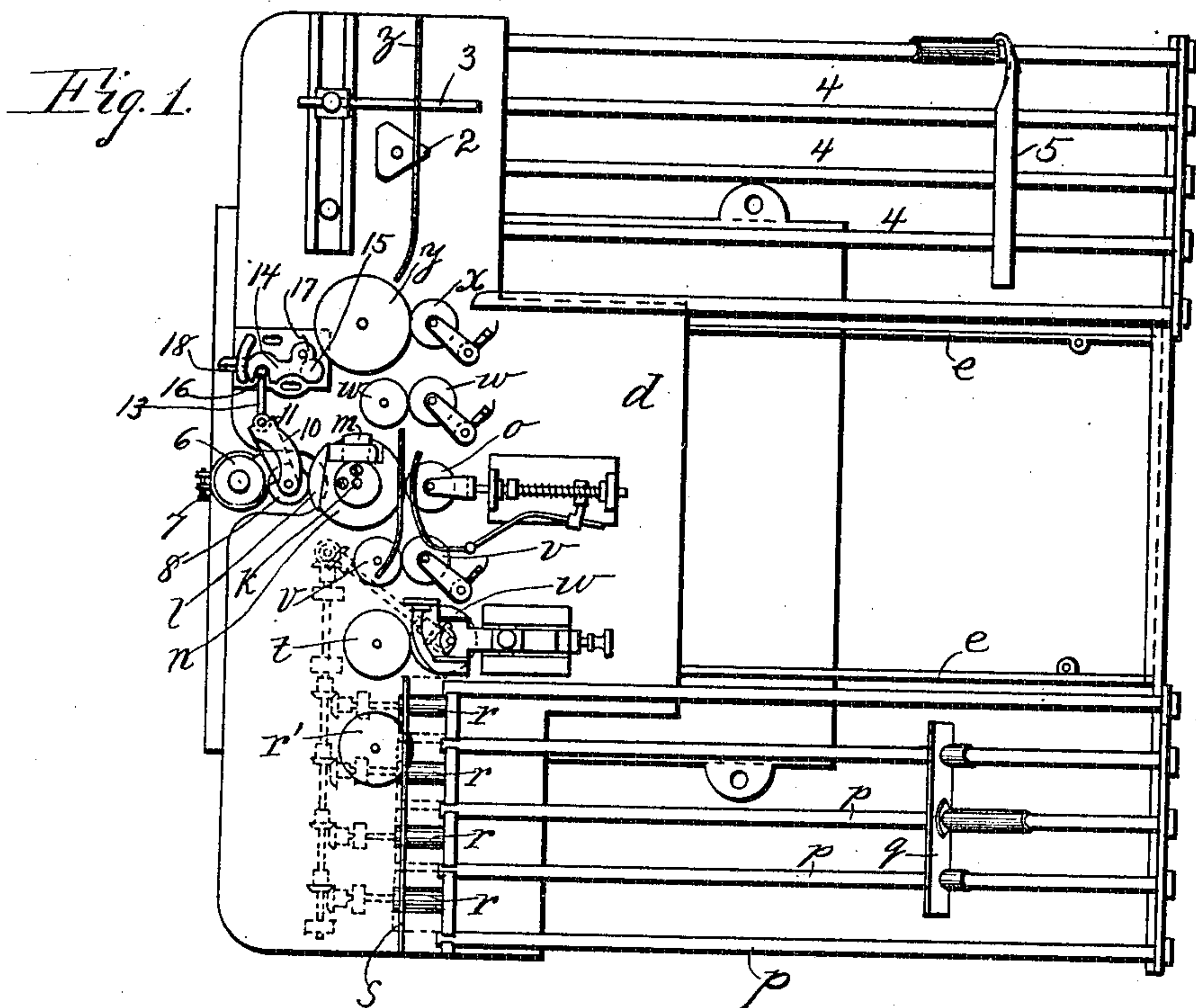
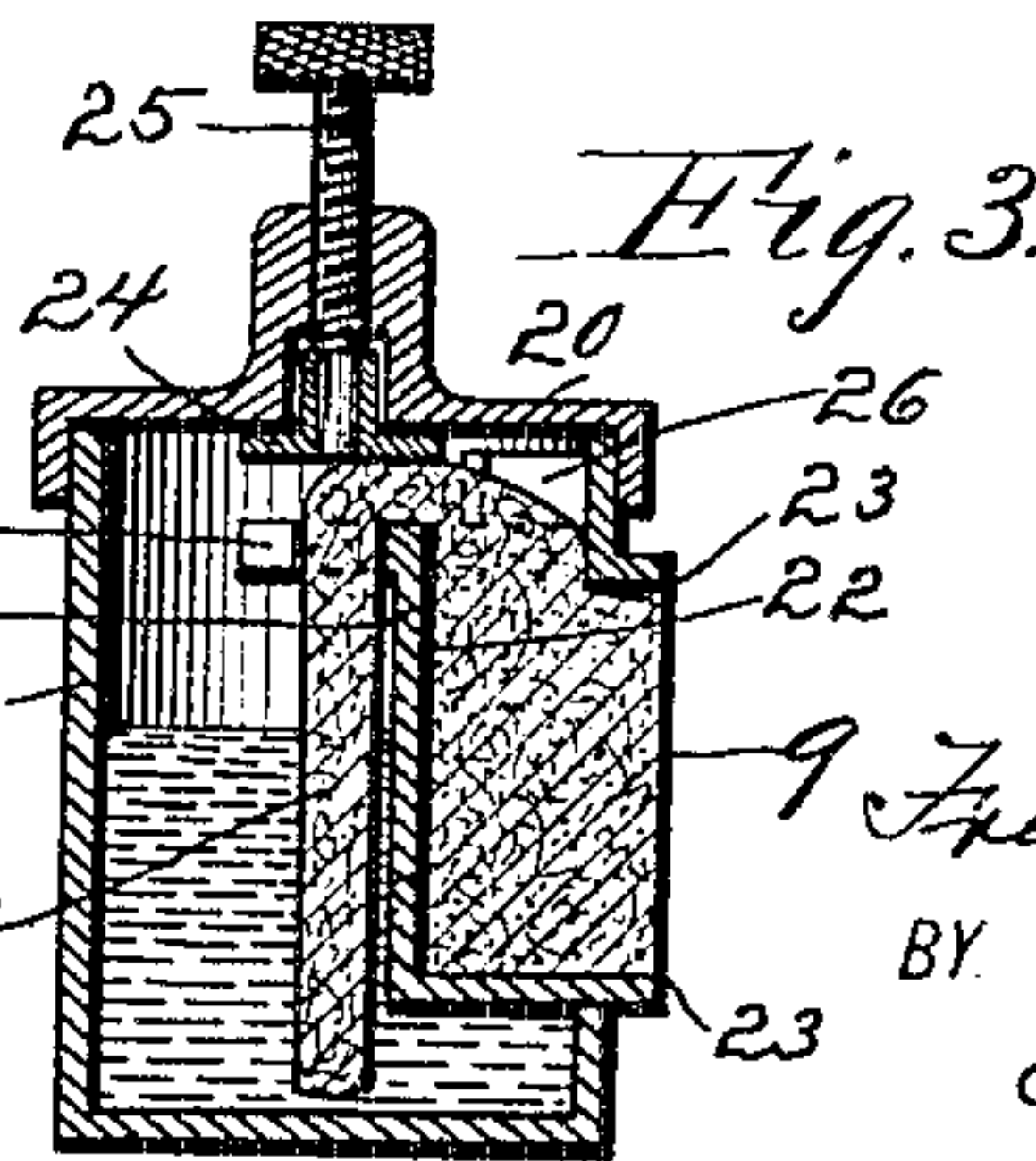
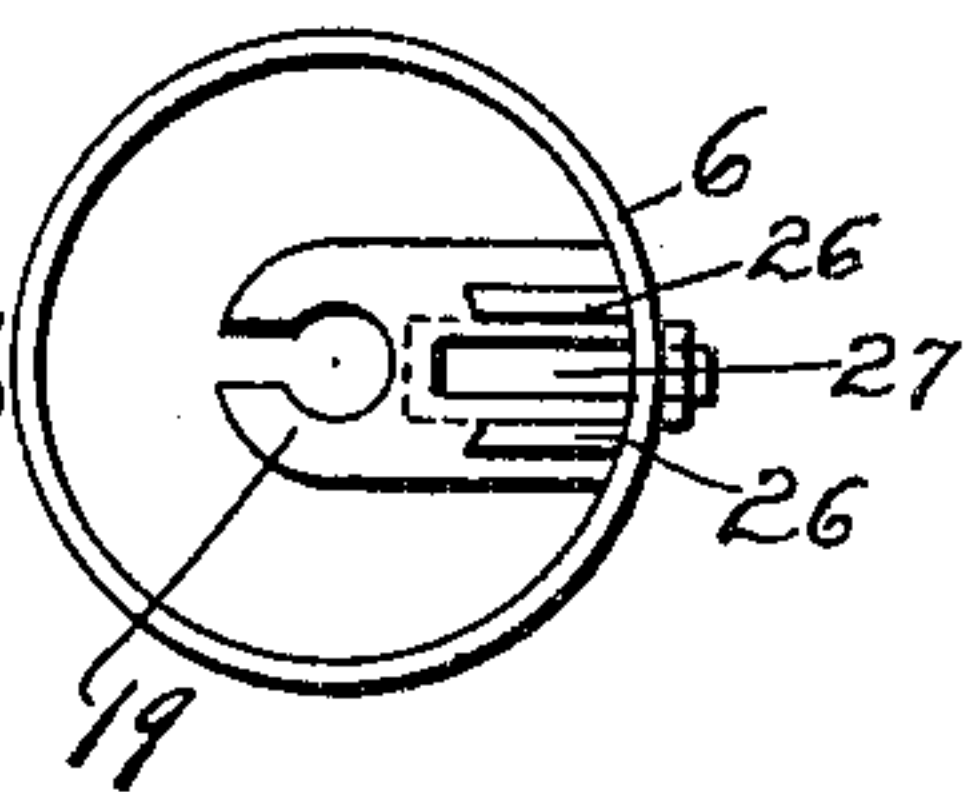


Fig. 4.



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FREDRIK BJURSTRÖM, OF NEW YORK, N. Y.

INKING APPARATUS FOR STAMP-CANCELING AND POSTMARKING MACHINES.

No. 812,255.

Specification of Letters Patent.

Patented Feb. 13, 1906.

Original application filed July 8, 1904, Serial No. 215,834. Divided and this application filed January 19, 1905. Serial No. 241,727.

To all whom it may concern:

Be it known that I, FREDRIK BJURSTRÖM, a citizen of the United States of America, and a resident of New York city, county and State of New York, have invented certain new and useful Improvements in Inking Apparatus for Stamp-Canceling and Postmarking Machines, of which the following is a specification.

10 This invention relates to inking apparatus for stamp-canceling machines of the character described in my pending application, Serial No. 215,834, classified "Mail-marking machines," and is a divisional part of the same, classified in "Inking apparatus," as
15 hereinafter described, reference being made to the accompanying drawings, in which—

Figure 1 is a plan view of the said mail-marking and stamp-canceling machine, including the said inking apparatus. Fig. 2 is a side elevation of the same with a part broken out. Fig. 3 is a vertical section of the ink-fountain on an enlarged scale. Fig. 4 is a plan view of the said fountain with the
20 cover removed. Figs. 5 and 6 represent details of the ink-fountain clamp.

In the drawings I have represented so much of the stamp-canceling and mail-marking machine as will illustrate the application
25 of my improved ink apparatus to it.

A represents any suitable case to be supported on any suitable stand, said case having a bottom plate *a* with a pendent flange *b* for embracing the top of the stand to confine
30 the case in position, on which plate *a* are upright plates *c*, one at each end, supporting a table *d*, said table and a plate *d'*, pendent from said table, being the supports of the bearings of the various upright shafts and
35 gearing employed in the apparatus. The plate *a* and the sides *c* also support lateral brackets *e*, carrying the infeeding and outfeeding letters to be stamped and discharged.

The part *j* of shaft-coupling indicates the point of connection of a suitable driving-shaft, to which the power may be applied in any approved way and connects with the shaft *k*, which carries at its upper end above table *d* the canceling-die *l* and postmarking-die *m*, which are attached by the disk-head *n* of shaft *k* and with which a presser-roll *o* works to impress the postmarking and stamp-canceling characters on the letters which pass between said dies and presser-
40 rollers, to which the letters are fed singly from masses set edgewise by the operator on
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the descending lateral feedways *p* and urged along the same by the manually-operated pusher *q* onto the horizontal feed-rolls *r* against a roll *r'* and guideway *s*, wherefrom 60 they pass between selecting-rolls *t u* and carrying-rolls *v*. The letters passing from between the canceling and stamping rolls *o* and *n* pass on through other carrying-rolls *w* and delivery-rolls *x* and *y* onto the table *d* in front 65 of a vertical guideway *z* and a rotating angular pusher 2 and against a stop 3, from which they are pushed off laterally onto the descending ways 4 against a retracting-guard 5, from which they are manually removed in 70 batches from time to time.

For the application of the ink to the dies *l* and *m* an ink-fountain 6 is provided in suitable proximity to the die-roll *n* and detachably secured in any approved way, as by a 75 clamp, (indicated at 7 and illustrated in Figs. 5 and 6,) for ready application and removal, with a distributing-roll 8 intermediate of them to receive the ink from a wick 9 and deliver it to the dies. It is mounted on a 80 shifting support 10, pivoted at 11 and having a lever-arm 13, by which to swing it against the feeding-wick 9 of the fountain from time to time to replenish the charge of ink and to swing away from the die-roll en- 85 tirely when the fountain is to be removed for cleaning the dies from time to time.

A keeper-latch 14, pivoted at 15 and having a notch 16 to engage the end of the lever-arm, is provided to hold the distributing-roll 90 in the working position. A spring 17 keeps said latch in engagement with said lever-arm, and a finger-piece 18 on the free end facilitates the application of the fingers for manipulating the latch. 95

The ink-fountain contains a centrally-located wick-holder 19 directly under the cover 20, in which a wick 9^a, preferably of round form, is suspended with the upper end turned over the top of the partition 21, separating a 100 passage-way 22 from the main body of the fountain to a lateral slot 23, through the side in which the before-mentioned wick 9 is placed for contact with the roll 8. Where the wick turns over the top of the partition 105 21, a clamp-disk 24 is fixed with an adjusting-screw 25 in the center boss 20 of the cover to regulate the feed of the ink by clamping the wick more or less tightly.

The vertical guard-flanges 26, upwardly 110 projecting each side of the top passage-way 27, are intended to prevent overflow of ink

from the upper end of the wick backward into the body of the fountain.

What I claim as my invention is—

1. The combination with the die-roll, and
5 distributing-roll, of an ink-fountain having a lateral wick containing discharge - passage partitioned from the main space, the wick in the main space connecting with the wick of the discharge-passage over the partition, and
10 a clamp gripping the wick on the top of the partition.

2. The combination with the die-roll, and distributing-roll, of an ink-fountain having a lateral wick containing discharge - passage
15 partitioned from the main space, the wick in the main space connecting with the wick of

the discharge-passage over the partition, vertical guard-flanges to the wick-passage, and a clamp gripping the wick on the top of the partition.

3. The combination with the distributing-roll, of a pivoted support therefor, a lever-arm of said support, a notched keeper-latch engaging said lever - arm, and a spring to maintain the engagement.

Signed at New York this 31st day of December, 1904.

FREDRIK BJURSTRÖM.

Witnesses:

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