

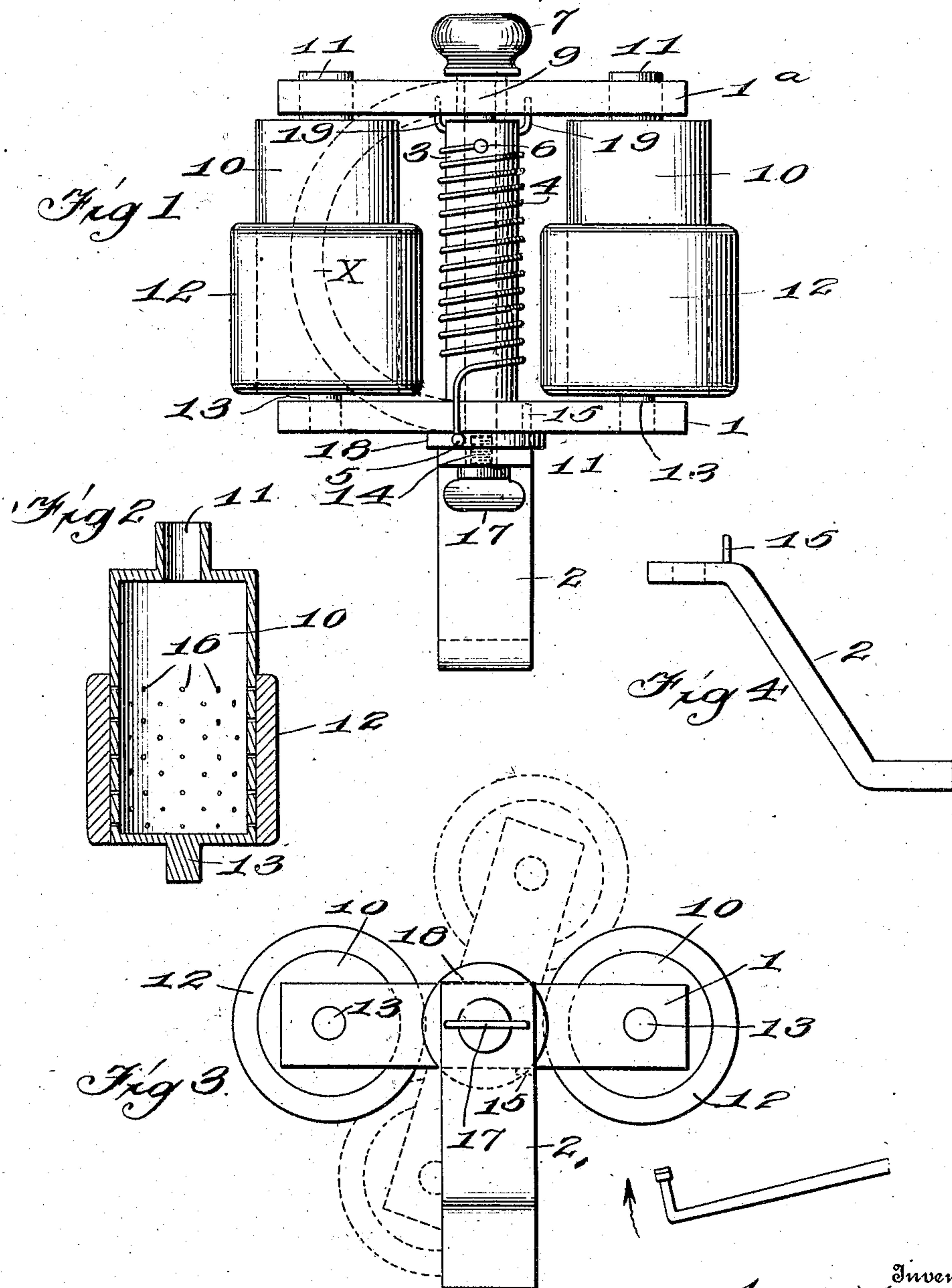
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INKING DEVICE FOR TYPE WRITERS AND THE LIKE.

APPLICATION FILED SEPT. 21, 1908,

911,707.

Patented Feb. 9, 1909.



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INKING DEVICE FOR TYPE-WRITERS AND THE LIKE.

No. 911,707.

Specification of Letters Patent.

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Application filed September 21, 1908. Serial No. 454,065.

To all whom it may concern:

Be it known that I, FRANK DOWD, citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Inking Devices for Type-Writers and the Like, of which the following is a specification.

This invention relates to inking devices for typewriters and the like.

The object of the invention is to form improved means for inking type in typewriters or other machines in which such printing is done, which will supersede the inconvenient ink ribbon, now generally used. This device inks the face of the type as they swing to hit the paper, thus making a direct print from the type on the paper. As a result a clearer print is made and more carbon copies can be made also.

In the accompanying drawings of the invention, Figure 1 is a top view. Fig. 2 is a cross-section of ink roll 10. Fig. 3 is an end view. Fig. 4 is a side view of supporting bracket.

Referring specifically to the several drawings, 2 is a bracket which is attached to the typewriter frame, and has a rod 14 with a lower threaded end, and an upper threaded end 9. Swinging arms 1 and 1^a are pivotally mounted on the rod 14, being spaced apart by a sleeve 3 which is fast to the arm 1, and also to the arm 1^a by means of pins 19 which project from the sleeve into holes in the arms. Upon the ends of the arms are pivoted two ink rolls or wells 10 by means of lower studs 13 and upper necks 11, which fit in holes in the arms. The wells 10 have sleeve pads 12 thereon and holes 16 leading from the inside of the well to the pads. The arm 1^a is pivoted directly on a bushing projecting from a thumb-nut or cap 7 which screws on the threaded end 9 of rod 14.

A coiled spring 4 surrounds sleeve 3 and is fastened to the sleeve at 6 and to collar 18 on rod 14 at 5. This allows the arms with the wells 10 to swing and also brings them back to original position. A removable stop 15 can be used, if desired, to allow wells 10 to swing in one direction only. A thumb nut 17 secures rod 14 and collar 18 tightly to bracket 2.

In operation, the device is attached to a typewriter in the line of the type so that the type will hit the face of one pad 12 as they

swing up, as indicated by the arrow in Fig. 3, thus inking the type and forcing the arms and devices carried thereby to swing and let the type pass to make the imprint on the paper. The pads immediately swing back into position for another operation. Ink is put in wells 10 through necks 11. This neck is so small that it is not necessary to use a cork or cap to hold ink in the wells unless so desired, the drawings being on a scale several times larger than the device. By detaching the spring at 15, and loosening set screw 17 the other pad can be brought in use. This allows different colors of ink to be used. The rollers 10 are easily adjustable by removing nut 7 and arm 1^a and new rolls or pads with various colored inks can be inserted or old rolls replenished with new ink, etc. A single roll may be used by substituting connecting bar X on one side to join the arms as shown in dotted lines. In this way two separate devices one left hand and one right hand can be used.

I claim:

1. An inking device for a typewriter, comprising an ink reservoir and an inking pad mounted thereon and supplied therefrom, said reservoir and pad being swingingly supported normally in the line of movement of the type, with the pad in position to be struck thereby before the type strikes the paper.

2. An inking device for a typewriter or the like comprising a bracket adapted to be attached to the typewriter frame, an arm mounted to swing thereon, and an ink reservoir provided with an inking pad carried by the arm and normally in the path of all of the type and out of contact therewith and adapted to be struck thereby and then swing out of the way, and means to return the arm and pad to normal position.

3. An inking device for a typewriter or the like comprising a bracket adapted to be attached to the typewriter frame, an arm mounted to swing thereon, an ink-holder carried by the arm, a pad on the holder, the latter being constructed to supply the pad with ink, the pad being yieldingly held in the path of all of the type and out of contact therewith so as to be struck thereby before the type strikes the paper.

4. An inking device for a typewriter or the like comprising a support, a swinging arm mounted thereon, an inking pad rotata-

bly carried by the arms and means to yield-
ingly hold the arm with the pad in the path
of all of the type and out of contact there-
with.

5 5. An inking device for a typewriter or
the like comprising a plurality of inking
pads, and means to yieldingly support the
same with any one of the pads in the path of
all of the type, so as to be struck thereby
10 before the type strikes the paper.

6. An inking device for a typewriter or
the like comprising a swinging supporting
arm, a plurality of inking pads supported
thereby, means associated with each pad to
15 supply the same with ink and means to yield-
ingly hold the arm with any one of the pins
in the path of movement of all of the type

and out of contact therewith, for the purpose
stated.

7. An inking device for a typewriter or 20
the like comprising a bracket, spaced arms
pivoted to swing thereon, an ink holder and
pad rotatably held between the outer ends of
the arms, the holder having an outlet to sup-
ply ink to the pad, and means to yieldingly 25
hold the arms with the pad in the path of
the type, for the purpose stated.

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

FRANK DOWD.

Witnesses:

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