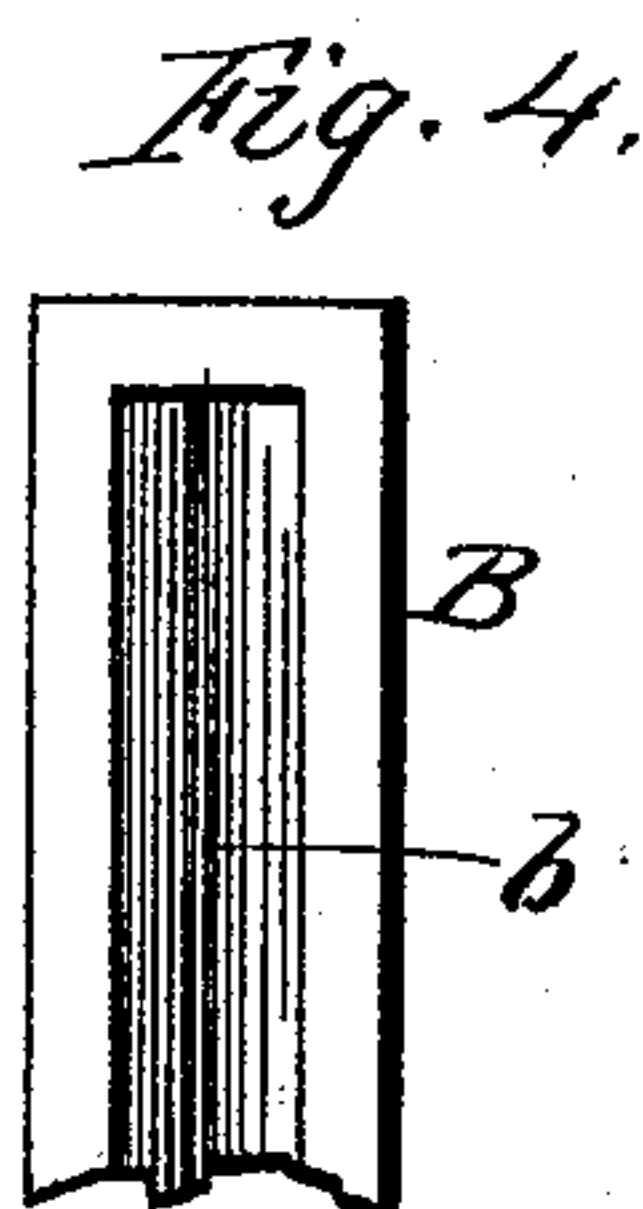
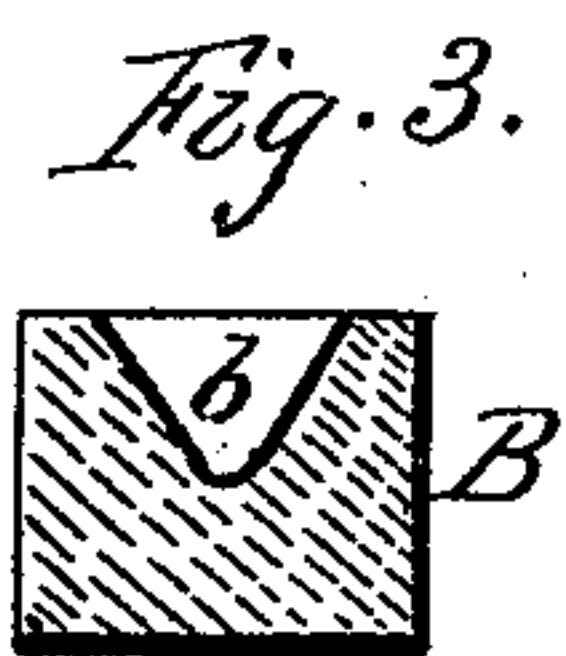
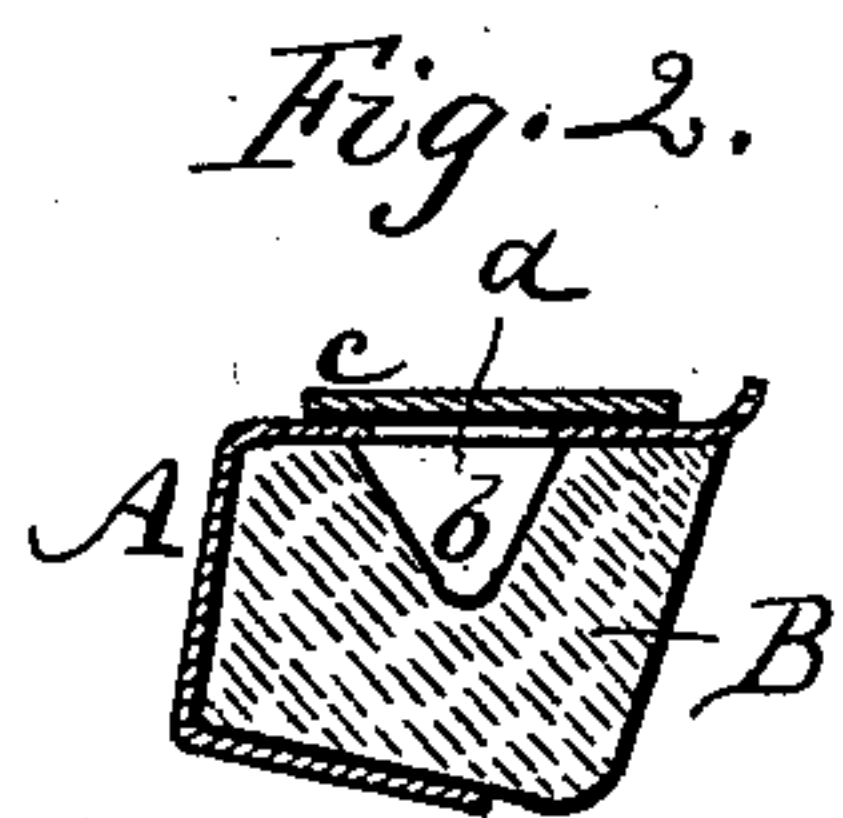
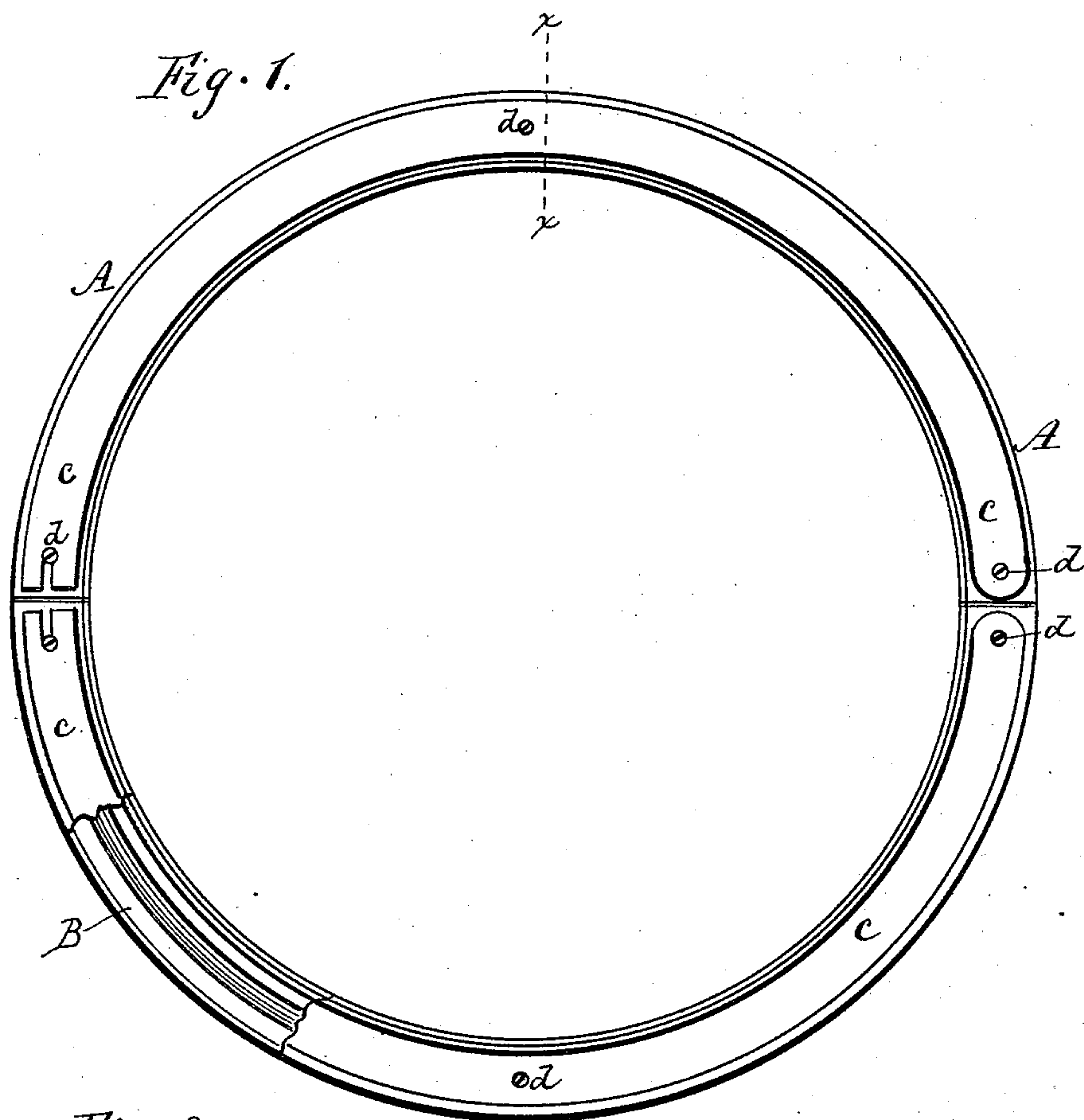


(No Model.)

A. S. OSBORN.  
INK PAD FOR TYPE WRITERS.

No. 454,660.

Patented June 23, 1891.



Witnesses.  
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Atty.

# UNITED STATES PATENT OFFICE.

ALBERT S. OSBORN, OF ROCHESTER, NEW YORK.

## INK-PAD FOR TYPE-WRITERS.

SPECIFICATION forming part of Letters Patent No. 454,660, dated June 23, 1891.

Application filed May 15, 1890. Serial No. 351,987. (No model.)

*To all whom it may concern:*

Be it known that I, ALBERT S. OSBORN, of Rochester, in the county of Monroe and State of New York, have invented a certain new and useful Improvement in Ink-Pads for Type-Writers; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the drawings accompanying this application.

My improvement relates to that class of type-writers in which a saturated ink-pad is employed and a series of types are used which take the ink from the pad and transfer it to the paper on which the printing is to be done.

The object of my invention is to provide improved means whereby when the ink is exhausted the pad can be re-inked and be made available for further use without removing it from the machine.

To this end my invention consists in the construction and arrangement of parts hereinafter described and claimed.

In the drawings, Figure 1 is a plan view of the ink-pad constructed in accordance with my invention. Fig. 2 is an enlarged cross-section of the same in line  $x x$  of Fig. 1. Fig. 3 is a similar cross-section of the porous pad removed from the casing. Fig. 4 is a plan view of a portion of the porous pad. Fig. 5 is a cross-section similar to Fig. 2, but showing a modification.

A indicates the casing, and B the pad, which are of usual form, except that the casing is slotted on the top, as shown at  $a$ , and the pad is provided with a groove in its top, as shown at  $b$ . These are the distinguishing features of my invention, as the slots enable the ink to be inserted through the casing while the pad is in place, and the groove in the pad holds the ink and causes it to spread uniformly in saturation. The slots and grooves may be made of any desired extent around the circle; but usually they extend all the way around, except at the points where the joint occurs if the device is made in halves, as is usually the case. The casing is provided with covers  $c$ , of any suitable kind,

which cover the slots therein. In the drawings these covers are shown in the form of narrow segments attached by screws  $d d$ , by removing which the covers can be taken off at any time.

To ink the pad the covers are removed and the ink is inserted through the slots into the grooves of the porous pad, where it is held until it is all absorbed by saturation. By this means not only can the pad be re-inked without removing it from its casing, but it can be re-inked when necessary at different points where the ink has become exhausted without re-inking the whole pad. In this invention the pad lies directly under the top of the case, where the slots are, and it is only necessary to remove the cover to reach it directly.

Various modifications can be made without departing from the spirit of my invention. The slots and grooves can be made in sections instead of being made continuously around the circle, as before described. The slots may be made in any part of the casing. The grooves may be made of other shapes than the V shape shown in the drawings and still produce the same effect.

Fig. 5 shows a trough or curb at the top of the case, with the cover  $c$  resting on top, said trough or curbing forming a receptacle in which to place the ink to reach the pad.

Having described my invention, I do not claim a casing having a permanent pad saturated by ink fed by wicks from a well.

What I claim as new, and desire to secure by Letters Patent, is—

In an ink-pad for type-writers, the combination of a casing provided with a slot and a porous pad fitted therein and provided with a groove, as shown and described, and for the purpose specified.

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

A. S. OSBORN.

Witnesses:

R. F. OSGOOD,  
E. G. SMITH.