

(No Model.)

A. S. DENNIS.

DEVICE FOR INKING TYPE WRITING MACHINES.

No. 479,351.

Patented July 19, 1892.

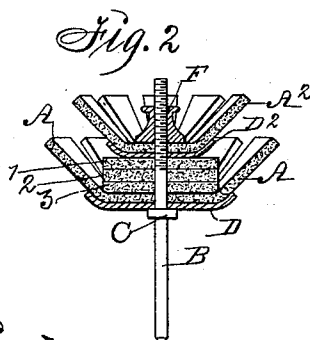
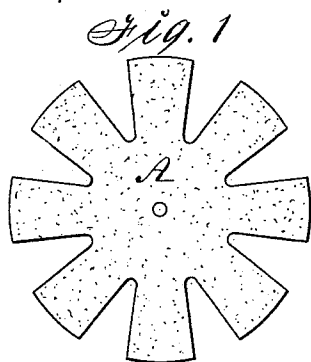
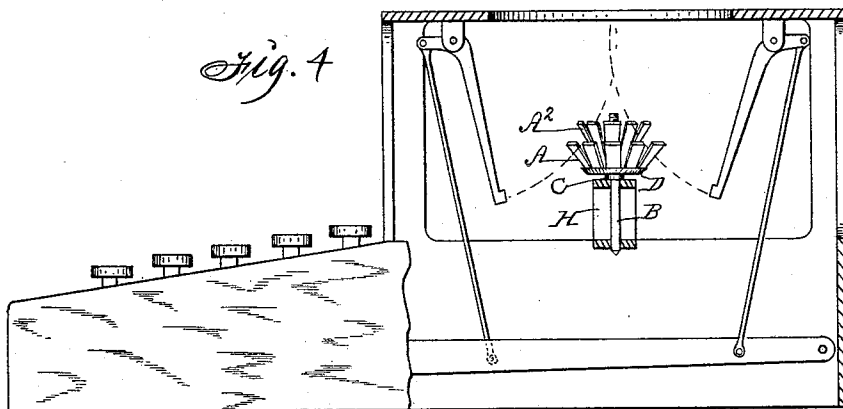
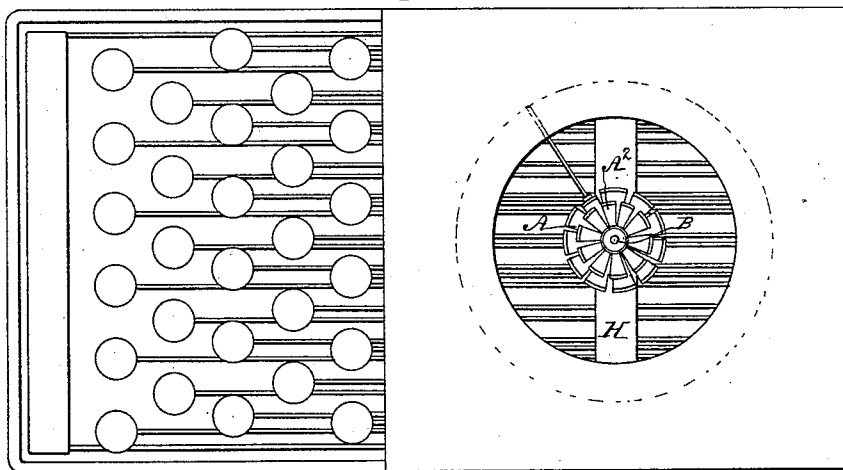


Fig. 3



Witnesses:
W. J. Saukey. }
R. H. Orwig. }

Inventor: Adolphus S. Dennis,
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UNITED STATES PATENT OFFICE.

ADOLPHUS S. DENNIS, OF DES MOINES, IOWA, ASSIGNOR TO THE DENNIS
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DEVICE FOR INKING TYPE-WRITING MACHINES.

SPECIFICATION forming part of Letters Patent No. 479,351, dated July 19, 1892.

Application filed October 10, 1891. Serial No. 408,390. (No model.)

To all whom it may concern:

Be it known that I, ADOLPHUS S. DENNIS, a citizen of the United States of America, residing at Des Moines, in the county of Polk and State of Iowa, have invented a new and useful Device for Inking Type-Writing Machines, of which the following is a specification.

My invention relates to the manner of inking type by means of inking-pads located so as to be engaged by each type while in motion, as required, to be brought into engagement with the paper upon which prints are to be made; and it consists in the arrangement and combination of flexible pads and bibulous washers with a rigid stem and the frame of a machine, as hereinafter set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a plan view showing the form of a flexible pad. Fig. 2 is a sectional view of the device, showing two of the flexible pads connected with a stem. Fig. 3 is a top view, and Fig. 4 a sectional view, of a machine, showing the inking device in position as required in practical use.

A is a pad of circular form, that has a series of radial openings extending inward from its circumference. It is cut from bibulous sheet material, preferably felt goods, by means of a suitable die and press and may vary in size, as desired. The radial openings may also differ in size or be dispensed with when the material is sufficiently flexible.

B is a stem screw-threaded at its top end and provided with a shoulder or collar C at its central portion.

D is a circular plate placed on the stem and supported by the collar C, and 1 2 3 represent washers placed on top of the plate. These washers are preferably of bibulous material that will absorb ink. A second pad A² is placed on top of the washers and a thumb-nut F then placed on the top end of the stem B, as shown in Fig. 2, to retain all the parts of the complete inking device connected. When the pads have radial openings, they are so located relative to each other on the stem that the openings will not coincide, so that if a type should pass through an opening in the

lower pad without being inked it will be well inked by that portion of the upper pad that covers the opening and extends across the plane traversed by the upward motion of the type-arm and type on its free end.

H represents a bearer fixed to the frame of a machine to receive and support the stem B of the device in such a position relative to the series of type-arms J as required to bring the face of the type on each arm in contact with the under surface of an ink-pad as the arm is actuated to make an impression or print on the paper on the roller or platen in a common way.

It is obvious that when the bibulous pads are filled with ink each type as it ascends will strike the under face of one of the flexible ink-pads, and thus be automatically inked while it is passing upward to make a print. The flexibility of the pad and its radial openings allow the type to press the pad out of the way as the type-arms swing upward and downward.

By thus forming and combining flexible pads and bibulous washers with a stem whereon the pads can be adjusted relative to each other and the series of type-arms and pressure upon the pads and washers regulated by a movable nut to govern the flow of ink outward toward the circumference of the pads the complete device is adapted to be advantageously used without connecting a cup or ink-well therewith.

I claim as my invention—

1. In an inking-pad for type-writing machines, a flexible circular pad having incisions or openings extending radially from its circumference toward its center, a rigid stem having a shoulder, a rigid washer inclined upward at its circumference, a bibulous washer on top of the rigid washer, and means for clamping the pad and bibulous washer together on the stem, arranged and combined with the frame of the machine to operate as set forth.

2. An inking device for type-writing machines, comprising a stem adapted to be fastened to the frame of a machine, a rigid circular washer in engagement with a support at the lower portion of the stem and the circumferential edge of the washer inclined upward,

a flexible circular pad on top of the rigid washer, bibulous washers on top of the pad, and a nut on the screw-threaded top end of the stem, adapted to clamp the pad and washers together in the manner set forth, for the
5 purposes stated.

3. A detachable inking device for type-writing machines, comprising flexible pads connected with a rigid stem having a shoulder or

fixed collar, a rigid plate supported by said collar, washers between the two pads, and a nut on the screw-threaded top end of the stem, arranged and combined with a type-writing machine to operate in the manner set forth.

ADOLPHUS S. DENNIS.

Witnesses:

W. J. SANKEY,

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