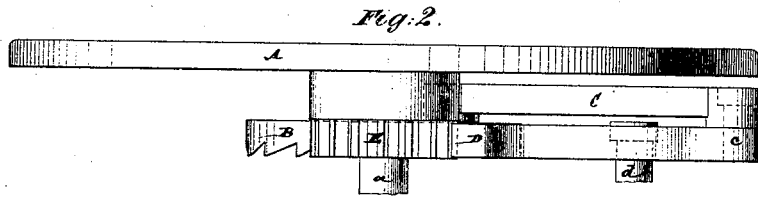
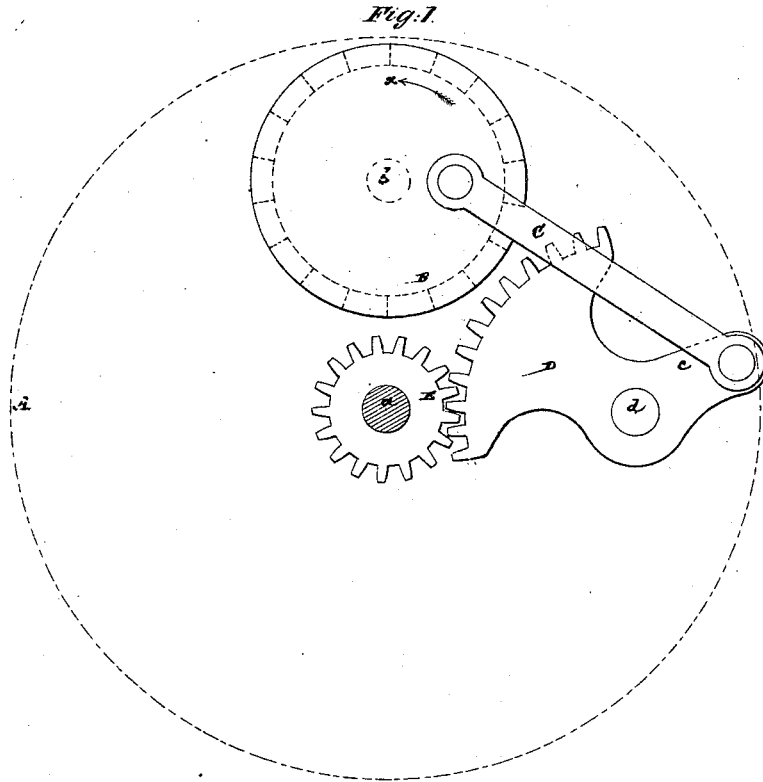


*F. O. Degener,*  
*Inking Appar.*

*No. 110,018.*

*Patented Dec. 13. 1870.*



*Witnesses:*  
*Fred Wagner*  
*R. H. Brown*

*Fred Otto Degener.*

# United States Patent Office.

FRED. OTTO DEGENER, OF BROOKLYN, E. D., NEW YORK.

Letters Patent No. 110,018, dated December 13, 1870.

## IMPROVEMENT IN INKING APPARATUS FOR PRINTING-PRESSES.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, FRED. OTTO DEGENER, of Brooklyn, E. D., in the county of Kings and State of New York, have invented a new and useful Improvement in Ink-Distributers for Printing-Presses, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing forming part of this specification, and in which—

Figure 1 represents a plan view of certain mechanism for giving to the ink-distributing table its peculiar motion, with the table removed, but shown in dotted lines, and

Figure 2, a side or edge view of said mechanism and table.

Similar letters of reference indicate corresponding parts.

My invention has for its object a thorough and even distribution of the ink, which is one of the most important functions of a printing-press, and the invention relates to ink-distributing surfaces, or tables of a revolving character.

In tables of this description, especially those over which the inking-rollers do not pass entirely, it is a well-known fact that, in rotating the table wholly in the one direction, which is the principle of action said tables have heretofore operated on, the ink is collected more on one side than the other, and the inking-rollers are consequently charged with an excess of ink at their one end, so that the form of type is not as evenly supplied with ink as it ought to be to insure good work.

My invention, which obviates this defect, consists in giving to an ink-distributing table a reciprocating intermittent rotary motion, which prevents unequal piling of the ink and insures an equal distribution of it over the inking-rollers.

The invention also consists in a novel and advantageous combination of mechanism for attaining such end.

Referring to the accompanying drawing—

A represents an ink-distributing table, arranged to turn on or by a center-shaft or pivot, *a*; but such ro-

tary motion, instead of being made wholly in the one direction, is of a reciprocating intermittent character, by which action the inking-rollers, in being worked over the table, are more evenly supplied with ink, and the press is enabled to do better work, by reason of the alternate circular action of the table breaking up any tendency to pile the ink more at one side than the other.

The means for communicating to the table A its specified peculiar movement may be varied, but the following, while simple, I find very efficient for the purpose:

B is a ratchet or crown-wheel, having motion in a continuous direction, as indicated by the arrow *x*, and being driven in an intermittent manner by a pawl or pawls, actuated in timely order with and by the press.

Said ratchet-wheel, which rotates on a center pivot, *b*, is arranged below the table A, and has pivoted to it, in an eccentric relation, a pitman, C, which is connected with a bent arm, *c*, of a toothed sector, D.

This sector turns on a pivot, as at *d*, and gears with a pinion, E, fast, in a concentric relation to the table A or its shaft *a*.

By these means, on an intermittent rotary motion being communicated to the ratchet-wheel B in one and the same direction, an alternate circular or reciprocating intermittent movement is given to the table, as required.

What is here claimed, and desired to be secured by Letters Patent, is—

1. An ink-distributing table or surface of or for a printing-press, having a reciprocating intermittent rotary motion, substantially as specified.

2. The combination, with the ink-distributing table A, of the ratchet-wheel B, the pitman C, the toothed sector D, and the pinion E, essentially as shown and described, and for the purpose or purposes herein set forth.

FRED. OTTO DEGENER.

Witnesses:

FRED. HAYNES,  
R. E. RABEAU.