(No Model.)

T. NOURSE.

DELIVERY TABLE FOR PRINTING MACHINES.

No. 256,363. Patented Apr. 11, 1882.

Fig. 1

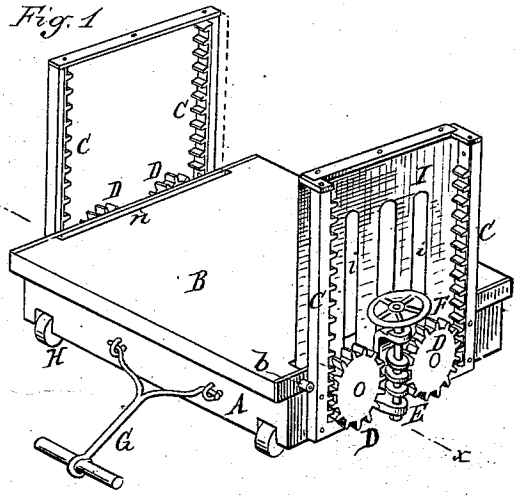


Fig. 2

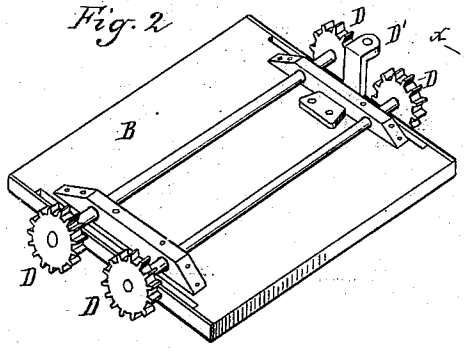
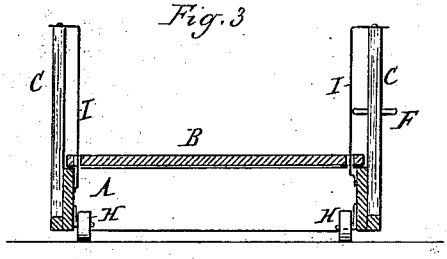


Fig. 3



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THORNDIKE NOURSE, OF DETROIT, MICHIGAN.

DELIVERY-TABLE FOR PRINTING-MACHINES.

SPECIFICATION forming part of Letters Patent No. 256,363, dated April 11, 1882.

Application filed November 19, 1881. (No model.)

To all whom it may concern:

Be it known that I, THORNDIKE NOURSE, of Detroit, in the county of Wayne and State of Michigan, have invented an Improvement in Delivery-Tables for Printing-Machines, of which the following is a specification.

The table usually employed for the reception of the paper as it is delivered from the printing-machine is made rigid upon its legs, and not adjustable vertically. Hence, after a quantity of paper has been printed and delivered by the fly of the machine upon this table the elevation becomes so great that the fly does not deliver the paper uniformly, and in many cases, unless the paper is removed from time to time, this fly is broken.

The nature of this invention relates to the construction of a table which shall be vertically adjustable, so that it may receive a much greater quantity of printed matter than in the use of the stationary table and avoid the necessity of continually removing the paper from the table in order that the fly may properly deliver.

The invention consists in the peculiar construction, arrangement, and various combinations of the parts, substantially as hereinafter set forth.

Figure 1 is a perspective view. Fig. 2 is an inverted perspective of the table-leaf removed. Fig. 3 is a cross-section on the lines *x x* in Fig. 1.

In the accompanying drawings, which form a part of this specification, A represents a suitable frame, which, if desired, may be mounted upon the roller H, and provided with a handle, G, by means of which said frame may be readily moved about.

C represents draw-bars, which are rigidly secured to the frame A, near the four corners thereof.

B represents the adjustable table-leaf, and on the under face of which are properly journaled shafts, upon the outer ends of which are secured pinions D, which, when in place, are designed to engage with the rack-bars C, the outer surface of which is traversed by the friction-rolls *b*. At one end of this table B is secured a bracket, D′, in which is properly journaled the vertical worm or screw E, the shaft of which is provided with a hand-wheel, F, by means of which it may be turned.

I I represent aprons or plates provided with slots *i* to allow the movement of the gear-shafts, and adapted to move through openings in the ends of the table. The object of these aprons is to prevent the paper from coming in contact with the operating parts.

By this construction it will readily be seen that by rotating the hand-wheel F the screw E will likewise rotate, and, by reason of its engagement with the pinions D, cause them to travel up the rack-bars, (assuming them to be in the position shown in Fig. 1,) and thereby elevating the table B to the desired height. As this table receives paper from the printing-machine, the leaf B can readily be lowered so that the fly of the printing-press can deliver the paper properly. When this table has been filled it may be withdrawn and another one substituted in its place, if desired; and by the use of an adjustable table I am not compelled to be continually removing paper from under the fly of the machine.

What I claim as my invention is—

1. In a portable delivery-table for printing-presses, the combination, with the frame or base A and the rigid vertical rack-bars C C of said frame, of the table B, adapted to slide between said rack-bars, the gear-wheels D, secured at opposite ends of the table and constructed to engage with the rack-bars, and the worm E, for operating said gear-wheels, substantially as and for the purpose specified.

2. The table B, having friction-rollers *b*, adapted to traverse the outside of the rack-frame C, combined with said rack-frame, duplex gears, and an operating-worm, as set forth.

3. In a portable delivery-table for printing-presses, the table B, having friction-rolls *b*, arranged to traverse the outer surface of the rack-frames C, opposite the gears D, combined with such gears and rack, and with worm E, arranged between the gears, the parts *b* D E being in an approximately horizontal line, and adapted to prevent strain, as set forth.

4. The combination, with the base A, table B, racks C, and gears D E, of the aprons I, secured to the rack-bars and to the base and passing through openings in the table, substantially as described.

THORNDIKE NOURSE.

Witnesses:

S. J. FILER,

H. S. SPRAGUE.