T. M. CLARK & F. C. PLUNGES.

ADJUSTABLE DELIVERY TABLE FRAME.

APPLICATION FILED APR. 3, 1916.

1,245,682. Patented Nov. 6, 1917.

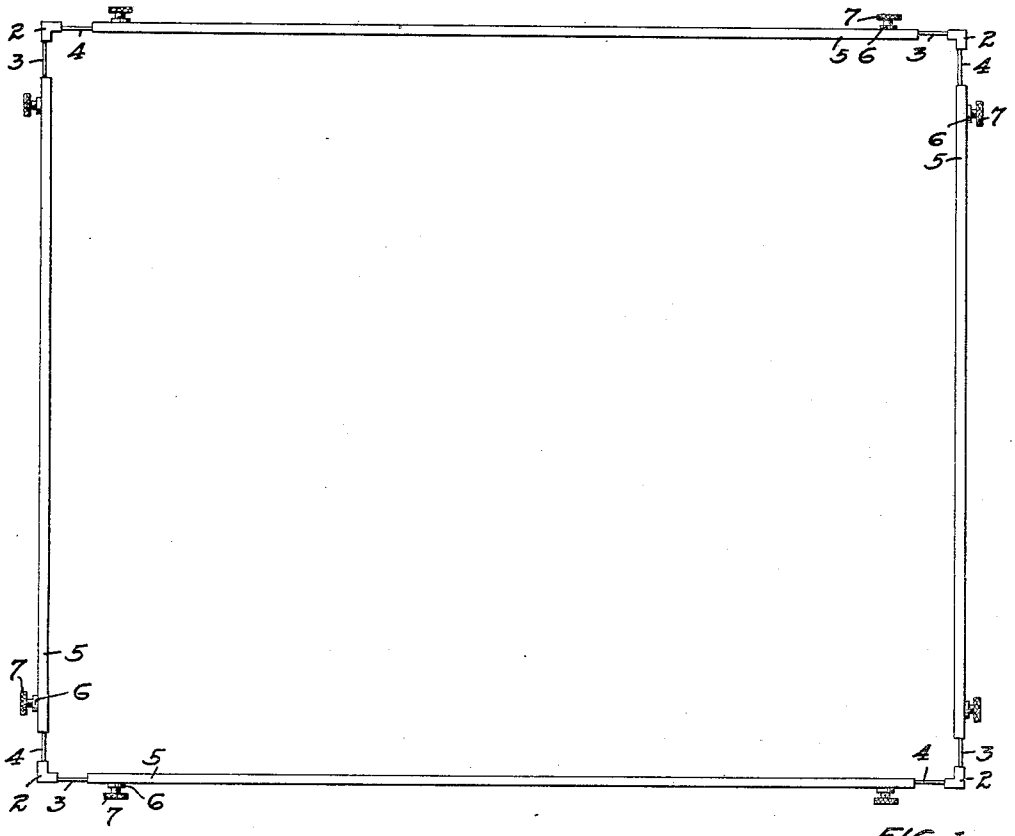


FIG. 1.

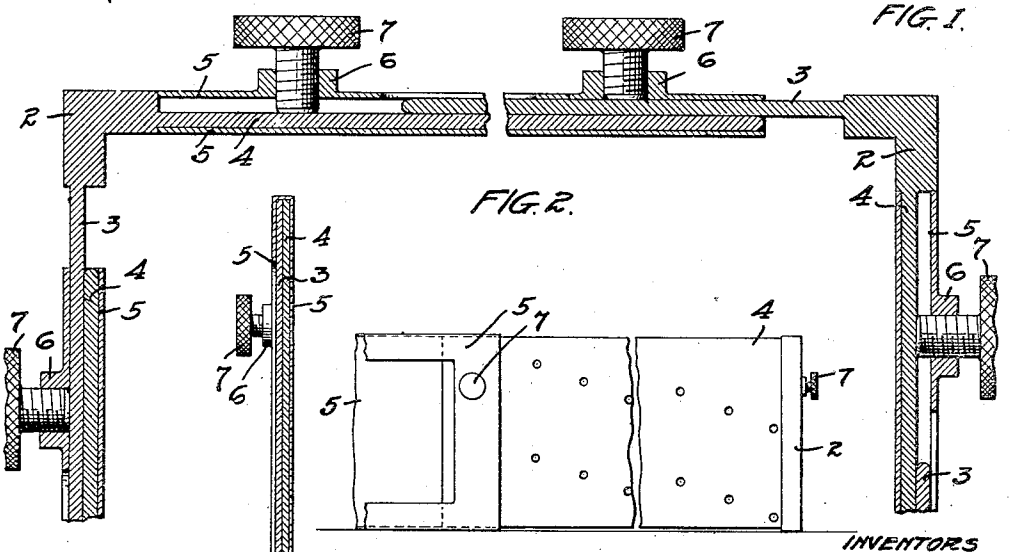


FIG. 2.

FIG. 4

FIG. 3.

WITNESSES
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ADJUSTABLE DELIVERY-TABLE FRAME.

1,245,682. Specification of Letters Patent. **Patented Nov. 6, 1917.**

Application filed April 3, 1916. Serial No. 88,444.

To all whom it may concern:

Be it known that we, THOMAS M. CLARK and FRANK C. PLUNGES, citizens of the United States, residents of Minneapolis, county of Hennepin, State of Minnesota, have invented certain new and useful Improvements in Adjustable Delivery-Table Frames, of which the following is a specification.

This invention relates to a device used by printers for receiving the printed sheets from a cylinder or other press, the object being to keep the edges of the sheets as they are delivered in alinement with one another and prevent offsetting or blurring of the printed matter due to the shifting of the sheets upon one another.

Other objects of the invention will appear from the following detailed description.

The invention consists generally in various constructions and combinations, all as hereinafter described and particularly pointed out in the claims.

In the accompanying drawings forming part of this specification,

Figure 1 is a plan view of a delivery frame embodying our invention.

Fig. 2 is a detail sectional view, showing the preferred manner of assembling the parts of the frame.

Fig. 3 is a transverse sectional view through one rail of the frame.

Fig. 4 is an outside view of one corner of the frame.

In the drawing, 2 represents corner blocks, angular in form and having bars 3 and 4 thereon extending outwardly from the blocks at right angles substantially to one another. There are four of the blocks, with a pair of bars mounted on each block. 5 represents hollow rails composed preferably of sheet metal, flattened in form and having open ends into which the ends of the bars of the adjacent corners are inserted, the ends of the bars sliding past one another within the hollow rails to allow the frame to be increased or decreased in size, as desired. Each rail has a hub 6 formed thereon, preferably at the ends thereof, which is interiorly threaded to receive a clamping screw 7, the end of which engages the bars within the hollow rail and clamps them securely. Upon loosening these clamping screws. the bars may be adjusted back and forth in the hollow rails to adapt the frame to sheets of different sizes.

The corner pieces and the rails are all interchangeable, so that no fitting or adjustment of the parts in setting up the frame is required.

In use, the frame is placed on a delivery table and the printed sheets from the press delivered thereto, the frame being adjusted according to the size of the sheet that is being printed, and as each printed sheet falls into the frame, it is held against offsetting and thereby blurring or smudging of the fresh ink on the sheet is prevented.

In various ways the details of construction herein shown and described may be modified and still be within the scope of our invention.

We claim as our invention:

1. A frame for printed sheets comprising corner pieces and bars thereon corresponding in width substantially to the depth of said frame and rails arranged to receive the ends of said bars and relatively slidable therewith, said rails and bars when assembled forming a frame having closed walls which, when seated on a base, form an air cushion for sheets of paper deposited on said base within said frame.

2. A frame for printed sheets comprising corner pieces and bars thereon corresponding in width substantially to the depth of said frame, rails mounted to receive the ends of said bars and allow them to slide past each other therein to expand or contract said frame, said rails and bars when assembled forming a continuous closed frame and, when seated on a base, preventing the escape of air upon the deposit of sheets therein.

3. A frame for printed sheets comprising corner blocks having bars projecting therefrom, the bars of one block being offset with respect to the corresponding bars of the adjacent block, hollow rails into which said bars are thrust, the bar of one block being seated against the inner wall of said rail and a bar of the adjacent block being seated against the outer wall of the same rail and relatively slidable with respect to the other bar, and means for securing said bars in said rail.

4. A frame for printed sheets comprising

blocks and bars corresponding in width substantially to the depth of said frame mounted thereon and hollow rails arranged to telescope with said bars, said rails and bars when assembled forming a frame that is closed from the upper to the lower edges thereof, whereby when seated on a base an air cushion is formed for the sheets of paper deposited in said frame.

In witness whereof, we have hereunto set our hands this 23rd day of March, 1916.

THOMAS M. CLARK.
FRANK C. PLUNGES.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents. Washington, D. C."