J. F. SEYMOUR.

Stamp-Gumming Apparatus.

No. 208,640. Patented Oct. 1, 1878.

Fig. 1

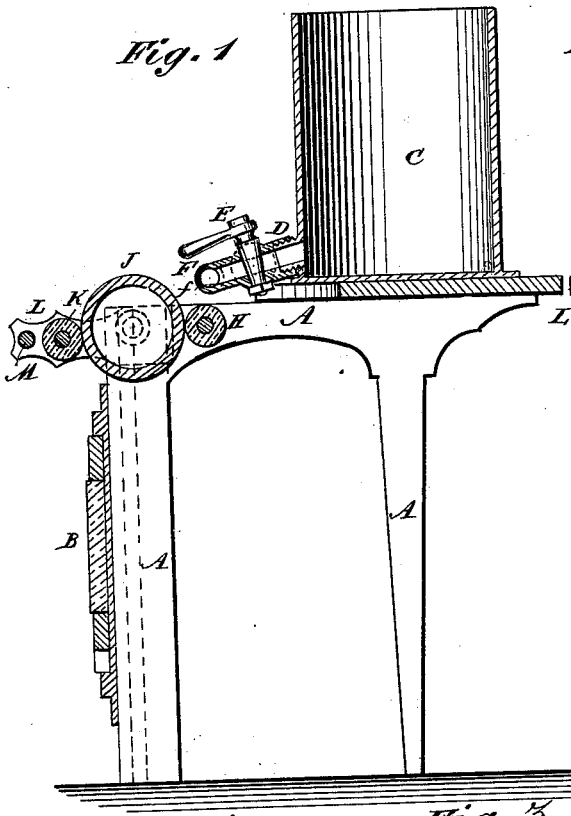


Fig. 2

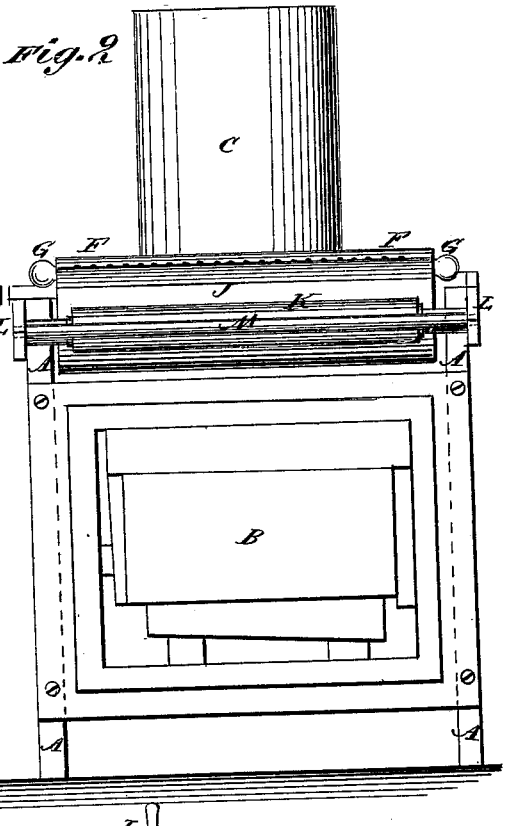


Fig. 4

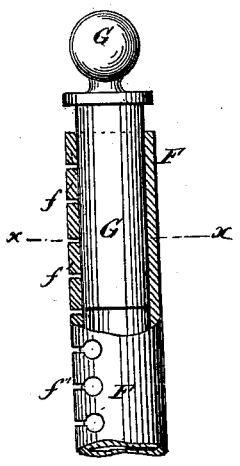


Fig. 3

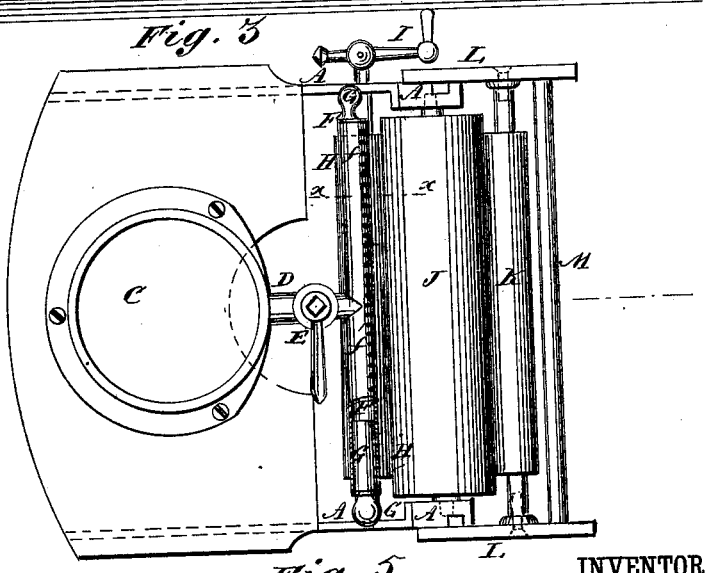
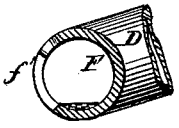


Fig. 5.



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IMPROVEMENT IN STAMP-GUMMING APPARATUS.

Specification forming part of Letters Patent No. **208,640**, dated October 1, 1878; application filed June 29, 1878.

To all whom it may concern:

Be it known that I, JOHN F. SEYMOUR, of the city, county, and State of New York, have invented a new and Improved Stamp-Gumming Apparatus, of which the following is a specification:

Figure 1 is a vertical section of my improved device, shown as applied to a printing-press. Fig. 2 is a front view of the same. Fig. 3 is a top view of the same. Fig. 4 is a detail top view of a part of the gum-discharging tube, enlarged and partly in section, to show the construction. Fig. 5 is a detail cross-section of the same, taken through the line *x x*, Figs. 3 and 4.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish an improved attachment for printing-presses, to enable the backs of sheets of postage-stamps, revenue-stamps, &c., to be gummed by machinery, so as to lessen the labor and cost of manufacturing such stamps, and which shall be simple in construction, convenient in use, and effective in operation, doing its work rapidly and well.

The invention consists in the combination of the reservoir, the discharge-pipe provided with the valve, the transversely-slotted delivering-tube, the two rubber rollers, and the form on a printing-press, and in the combination of the long adjustable plugs with the open ends of the transversely-slotted delivering-tube, as hereinafter fully described.

A represents the frame of a printing-press, and B represents the form by which the sheets of stamps are gummed. To the top or table of the frame A is secured a vessel, C, to receive the mucilage to be applied to the back of the sheets of stamps, and with the lower part of which is connected the end of the discharge-pipe D.

The discharge-pipe D is provided with a valve, E, to enable the outflow of the mucilage to be regulated and stopped as required.

The outer end of the discharge-pipe E leads into and is connected with the middle part of the delivering-tube F, the forward side of which has numerous cross-slots, *f'*, formed in it, through which the mucilage escapes.

The slots *f'* do not extend quite to the bottom of the tube F, so that there will be a layer of mucilage upon the bottom of the said tube for its whole length before the said mucilage begins to flow out through the said slots *f'*, to insure an even and regular discharge of mucilage throughout the entire length of the said tube F.

The tube F is made with open ends, which are closed by long closely-fitting plugs G, so that by adjusting the said plugs G mucilage may be discharged through a longer or shorter part of the said tube F, according to the size of the sheets to be gummed.

From the delivery-tube F the mucilage passes to the small rubber roller H, which revolves in bearings in the frame A, and is driven by a crank, I, a band, gear-wheels, or other suitable means. The rubber roller H transfers the mucilage to and distributes it upon the large metallic roller J, which is pivoted to the frame A. From the metallic roller J the mucilage is transferred to and distributed upon the smaller rubber roller, K.

The rubber roller K revolves in brackets L, which form the ordinary carriage of the inking-rollers, so that the said rubber roller K may be raised to receive mucilage from the metallic roller J, and lowered to apply the said mucilage to the form for gumming the stamp-sheets.

The rubber roller K is revolved to receive the mucilage from the roller J by friction from the said roller J, and is revolved to apply the mucilage to the form B by friction from the said form B, by which the said sheets are gummed.

The sheets are applied to the gummed form to receive the mucilage in the same way as blank sheets are applied to the type-form to receive the printing.

The brackets L and roller K are raised and lowerered by the driving mechanism of the press. The stamped sheets, when gummed, are laid upon racks to dry.

Having thus fully described my invention, I

claim as new and desire to secure by Letters Patent—

1. The combination of the reservoir C, the discharge-pipe D, provided with the valve E, the delivery-tube F, having transverse slots *f'*, which extend nearly to the bottom of the said tube, the two rubber rollers H K, and the form B on a printing-press, substantially as herein shown and described.

2. The combination of the long adjustable plugs G with the transversely-slotted delivering-tube F, having open ends, substantially as herein shown and described.

JOHN F. SEYMOUR.

Witnesses:
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