

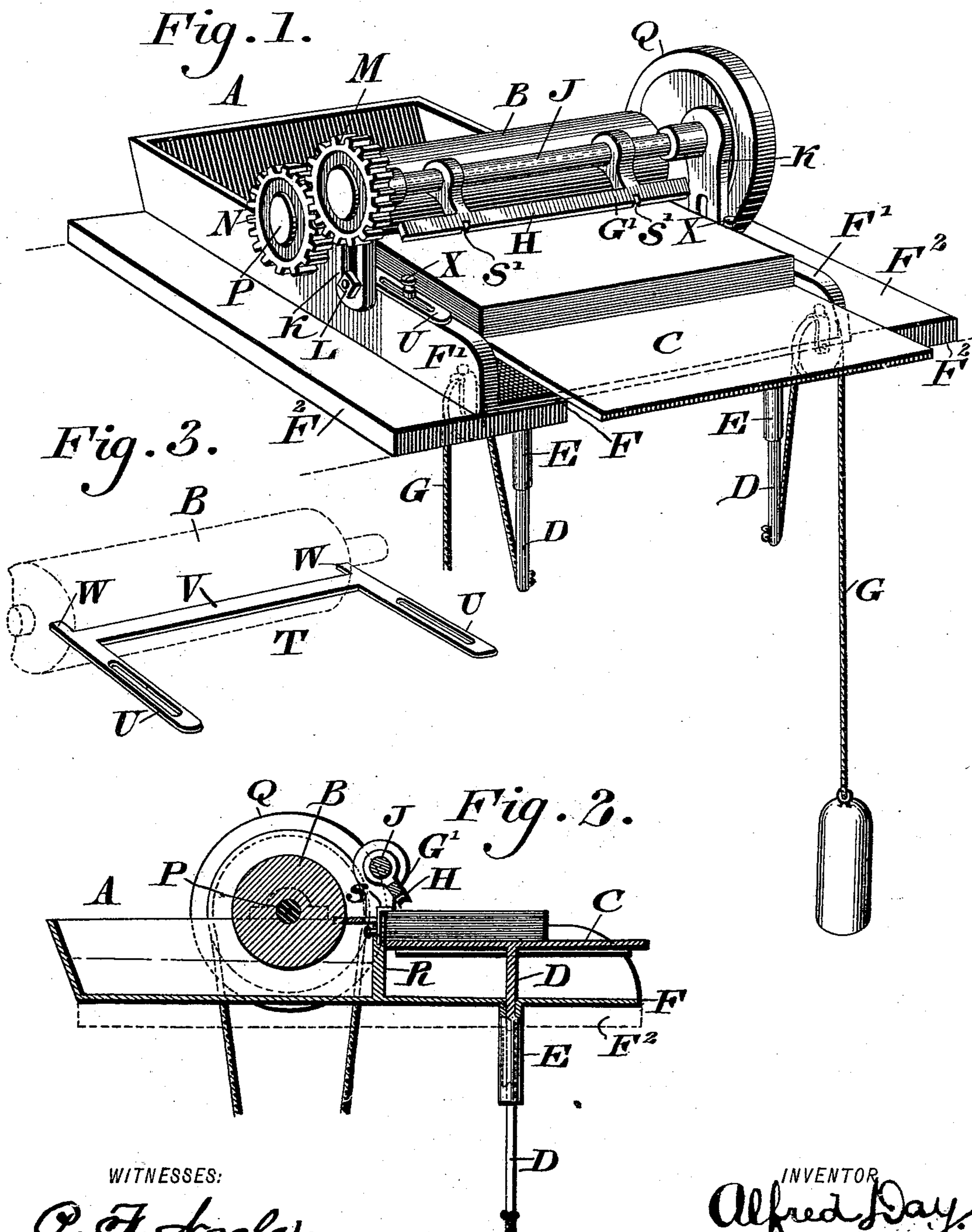
(No Model.)

A. DAY.

PASTING DEVICE FOR SHEETS, FLIES, STRIPS, &c.

No. 517,684.

Patented Apr. 3, 1894.



WITNESSES:

O. F. Hagler.
L. Douville

INVENTOR
Alfred Day
BY *John A. J. J. J. J.*
ATTORNEY.

UNITED STATES PATENT OFFICE.

ALFRED DAY, OF PHILADELPHIA, PENNSYLVANIA, ASSIGNOR TO DAY & BREITHAUP, OF SAME PLACE.

PASTING DEVICE FOR SHEETS, FLIES, STRIPS, &c.

SPECIFICATION forming part of Letters Patent No. 517,684, dated April 3, 1894.

Application filed November 15, 1893. Serial No. 490,979. (No model.)

To all whom it may concern:

Be it known that I, ALFRED DAY, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Pasting Devices for Sheets, Flies, Strips, &c., which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a pasting device for sheets, flies, strips, &c., formed of a paste trough, a paste distributing roller, and a paster which is adapted to rotate toward and from said roller, from and to the sheets, &c., to be pasted.

It further consists of the combination and arrangement of parts hereinafter set forth and claimed.

Figure 1 represents a perspective view of a pasting device embodying my invention. Fig. 2 represents a vertical section thereof. Fig. 3 represents a perspective view of a detached portion thereof.

Similar letters of reference indicate corresponding parts in all the figures.

Referring to the drawings: A designates a trough or box for containing paste or other adhesive material, and B designates a roller which is mounted on said trough and dips into the same.

C designates a rising and falling table on which is placed the sheets to be pasted, the same having depending from it the rods D, which pass freely through bosses E on the under side of the bed F, and have connected with them the weighted cords G or in lieu thereof coiled or other springs, whereby the tendency of the table is to rise and thus elevate the sheets, the bed F and trough A being supported on a bench F² in a suitable manner.

Mounted on the pieces F' which rise from the bed F, is the paster G', which consists of a cross bar, strip or brush H, which extends transversely over the sheets on the table, and is adapted to be brought into contact with the upper sheet thereof, and apply paste thereto, as will be hereinafter more fully described, said bar H being connected with a shaft J, whose bearings are on the slotted ears K, the latter being connected with the

pieces F' by means of bolts L whereby the bar may be adjusted in relation to the periphery of the roller B and the sheets on the table. The shaft J carries the pinion M which meshes with the pinion N on the shaft P of the roller B, said shaft having also secured to it the driving pulley Q to which power is communicated in any suitable manner.

In order to limit the ascent of the sheets on the table, there are secured to the upright R on the trough or bed F, the hooks S, whose upper horizontal limbs overhang the edge of the top sheet of the pile on the table C and act as stops, the effect of which is evident.

T designates a scraper or wiper formed of slotted side pieces U, a cross bar V, and longitudinally-extending end pieces W.

The pieces U are connected with the pieces F' by means of bolts X, whereby the scraper may be set nearer to or farther from the roller B, it being seen that the bar V is adapted to receive the surplus paste from the periphery of said roller, and the end pieces from the sides of the same, within said periphery, so that said periphery is nicely and uniformly supplied with paste, in which condition the latter is taken-off by the bar H of the paster.

The operation is as follows: The roller B is rotated, and the paster is operated by the same. As said paster rotates, it comes in contact with the paste on the roller B, and then reaches the top sheet and applies the paste thereto. The paster now leaves the sheet and returns to the roller B, where it is again supplied with paste. Meanwhile the top sheet as pasted is removed, in the present case by hand, and a fresh sheet is uncovered ready to be pasted, as the paster contacts with the same. As the sheets are removed, the table rises and the former are always placed in position to receive the contact of the paste-supplied edge of the bar H of the paster G'. The bar H is cut away or recessed as at S', at places in the paths of the tops of the hooks S, so as to permit said bar to rotate without interference of the latter.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. A pasting device consisting of a trough, a rising and falling table, stops limiting the

upward movement of said table, a roller in said trough, a rocking shaft having a paster secured thereon outside of and above said trough, meshing gearing on the roller and
5 paster shafts, said parts being combined substantially as described.

2. A pasting device having a trough with a roller dipping therein, a rising and falling table; a paster with a rocking shaft having a
10 pinion meshing with a pinion on the roller shaft, and a scraper for said roller, said parts being combined substantially as described.

3. A pasting device having a roller, a rotary paster, an ascending table, and stops for limiting the ascent of the latter, said paster being
15 formed with a recess for clearing said stops, substantially as described.

4. A pasting device consisting of a trough with a roller dipping therein, a bed, a rising

and falling table movable on said bed, a rocking shaft having a paster mounted thereon, connecting gearing for said roller and shaft, and a scraper having a cross bar and longitudinally-extending end pieces, said parts being combined substantially as described. 20

5. A pasting device consisting of a trough and bed with uprights, a roller dipping in said trough, a rising and falling table on said bed, a rocking shaft with a paster thereon adapted to receive paste from said roller and
30 apply it to sheets on said table, and a scraper adjacent to said roller, said parts being combined substantially as described.

ALFRED DAY.

Witnesses:

JOHN A. WIEDERSHEIM,
R. H. GRAESER.