(No Model.)

W. C. PELLATT.

APPLIANCE FOR SPACING OR FANNING OUT ENVELOPE BLANKS OR SHEETS OF PAPER FOR GUMMING OR BORDERING.

No. 396,594. Patented Jan. 22, 1889.

Fig. 1.

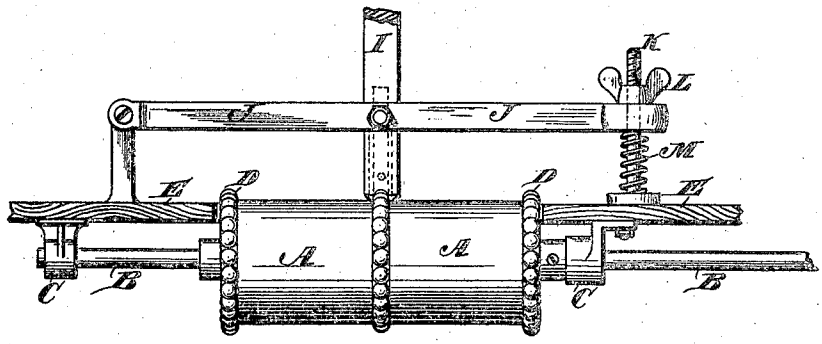
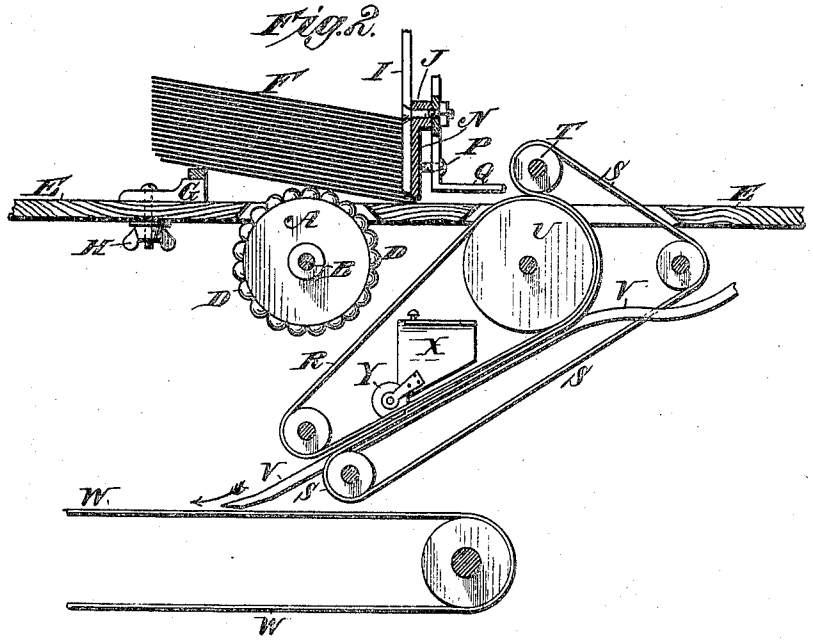


Fig. 2.



Witnesses.
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UNITED STATES PATENT OFFICE.

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APPLIANCE FOR SPACING OR FANNING OUT ENVELOPE-BLANKS OR SHEETS OF PAPER FOR GUMMING OR BORDERING.

SPECIFICATION forming part of Letters Patent No. 396,594, dated January 22, 1889.

Application filed January 26, 1888. Serial No. 262,037. (No model.) Patented in England February 7, 1887, No. 1,897.

To all whom it may concern:

Be it known that I, WILLIAM COWPER PELLATT, a subject of the Queen of Great Britain, residing at 76 Endwell Road, Brockley, in the county of Kent, England, have invented new and useful Appliances for Spacing or "Fanning Out" Envelope-Blanks and Sheets of Paper for Gumming or Bordering, (for which I have obtained a patent in Great Britain, No. 1,897, bearing date February 7, 1887,) of which the following is a specification.

The object of this invention is to provide novel means to mechanically fan out or space envelope-blanks, postal wrappers, note-paper, and the like, to prepare them ready to be gummed or bordered, said gumming or bordering being effected by appliances in connection with such fanning out or spacing mechanism or otherwise, as desired, as hereinafter described and claimed.

The annexed sheet of drawings represents my invention.

Figure 1 is a right elevation, and Fig. 2 an end view partly in section.

A is the roller, carried by a shaft, B, mounted in bearings C and capable of rotation by hand or power.

D D are studs on bands or rings forming part of or attached to the roller A, with their outer edges at some distance above the table E. The pile of blanks, F, is placed with the front edge of the bottom blank of the pile upon the table E and the back end upon a raised brake, G, this being adjustable to suit the required angle of the blanks by a screw and fly-nut, H.

The pile of blanks F by the angle at which it is placed causes the front edges of the blanks to bear against a vertical strip of metal, I, termed a "check-bar," this being fixed to a pivoted beam, J, one end of which is adjustable by means of a threaded rod, K, and a fly-nut, L, the pressure of which acts upon a spring, M, encircling the lower part of the rod K for the adjustment of the check-bar I to suit different thicknesses of paper which have to pass under its bottom rounded edge.

N is a rubber or leather strip held against the back check-bar I by a screw, P, said screw being passed through a back guide, Q, which prevents the fanned-out sheets from buckling, and also to guide the fanned-out sheets into and between endless tapes R S, working round feed-rollers T U, these being driven at the required speed, so that the fanned-out blanks are carried by the tapes R S round the roller U and over a curved plate, V, from which they are delivered by the endless tapes R S onto a traveling belt, W, ready to be gummed or bordered either mechanically or by hand.

If the gumming is effected mechanically, I arrange a gum-reservoir, X, under the table, as indicated, and adjust a flannel-covered roller, Y, against the outlet of the reservoir, so that the gumming may be effected by said roller as the fanned-out sheets move along with the traveling endless tapes R S.

The lower end of the rubber or leather strip is loose and yields to the paper passing under it, and as each sheet is removed from the pile by the studs D they are all acted upon in a corresponding manner; consequently the fanning or spacing of all the sheets is the same.

By arranging the endless tapes R S in the manner shown at Fig. 2 and supposing envelope-blanks to be under operation, the side that is to form the inside of the envelope is placed downward, and as the blanks are delivered onto the traveling belt W the inside surface is turned uppermost, ready for gumming what is termed the "sealing-flap," the fixing-flap being gummed when the envelope is folded in the ordinary gumming and folding machine.

If postal wrappers or the like are to be fanned out and gummed, the pile is placed in the same manner as the envelope-blanks, and when the overlap or spaced-out portion is gummed, if done mechanically by the roller Y, they simply pass along for the gum to be dried, and they are ready for collection and packing.

Note-paper to be black-bordered can be fanned out or spaced by this apparatus.

I claim as my invention—

The combination, with the table E, of the roller A, having studs D, projecting through and above a slot in said table, the adjustable check-bar I, the leather or rubber strip N, held against the back of said check-bar, the back guide, Q, and the endless tapes R S, substantially as described.

In witness whereof I have hereto signed my name, in the presence of two subscribing witnesses, this 6th day of January, 1888.

WILLIAM COWPER PELLATT.

Witnesses:

TOBIAS GAINSFORD RIDGWAY,
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