March 20, 1962 C. E. PORTER 3,026,239

ENVELOPE STRIPPING DEVICE

Filed Jan. 3, 1961

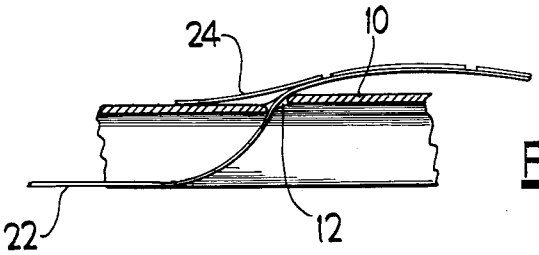


FIG. 2

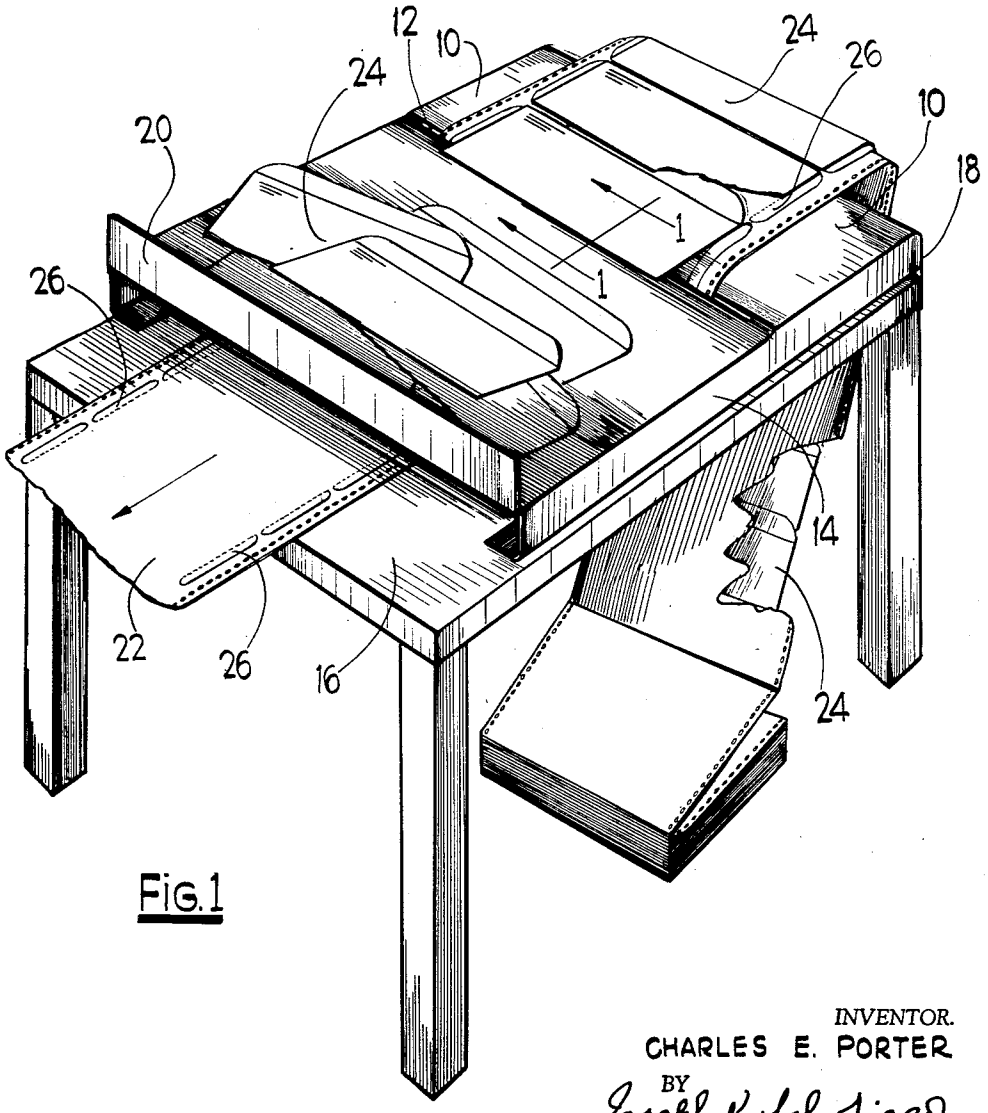


FIG. 1

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3,026,239

ENVELOPE STRIPPING DEVICE

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3 Claims. (Cl. 156—584)

This invention relates to devices for stripping envelopes from a backing sheet to which they are attached adhesively in overlapped relation by means of short gummed flaps extending from opposite ends of the envelopes.

An object of the present invention is to provide a transversely slotted metal plate member positioned and maintained above a table or other supporting surface so that the envelopes as the backing sheet, with the envelopes attached thereto, is drawn through the transverse slot the envelopes will be separated from the sheet by severing the short flaps therefrom.

A feature of the invention is that the edge of the transverse slot on the approaching side of the plate is raised slightly above the trailing side of the slot, so that the edge against which the envelopes and backing sheet are drawn will be slightly below the surface over which they are advanced toward the slot.

With the above and other objects of the invention in view, the invention may include the features of construction and operation set forth in the following specification and illustrated in the accompanying drawing.

In the accompanying drawing annexed hereto and forming a part of this specification, I have shown the invention embodied in a hand operated model, but it will be understood that the drawing is not to be construed as defining or limiting the scope of the invention, the claims appended to this specification being relied upon for that purpose.

In the drawing:

FIG. 1 is a perspective view of an envelope stripping device made in accordance with the present invention; and

FIG. 2 is a transverse sectional view taken on the plane of line 2—2 of FIG. 1.

In the above mentioned drawing, there has been shown but one embodiment of the invention which is now deemed preferable, but it is to be understood that changes and modifications may be made within the scope of the appended claims without departing from the spirit of the invention.

Referring to the figures of the drawing and first to FIG. 1, it will be seen that the device comprises a flat metal sheet **10** transversely slotted as shown at **12**. The opposite sides of the sheet are bent downward and inward to form portions **14** to support the sheet **10** horizontally at a fixed distance above the table **16** or other supporting surface. At one end the sheet is turned downward to form a retaining surface **18** to resist movement of the device during operation. At the opposite end the sheet is turned upward to form an abutment **20** against which the envelopes after being severed from the sheet may be allowed to stack.

At an intermediate portion of the sheet **10** there is provided the transverse slot **12** of sufficient length to permit the backing sheet **22** to be drawn therethrough. As will be seen by an inspection of FIG. 2, the edges of the elongated slot **12** are in planes slightly spaced from each other. The edge of the slot **12** against which the envelopes **24** are pulled is slightly lower than the opposite edge.

In operation the backing sheet **22** with the envelopes **24** attached thereto with the sealing flap of each envelope below the leading edge of the following envelope is passed over the metal sheet **10** and the sheet **22** passed downward through the slot **12**. The leading edge of the sheet **22** is then manually pulled forward below the metal sheet **10**. As the sheet **10** is passed through the transverse slot **12** the short flaps of the envelopes **24** are successively severed from the backing sheet **22**. The envelopes **24** with their short or supplemental flaps severed are stacked on the sheet **10** against the upward turned end **20**. The sheet **22** with the supplemental flaps **26** still attached thereto is continued to be drawn through the slot and from the device for the full length of the strip.

I claim as my invention:

1. An envelope stripping device comprising, a metal sheet, means to maintain said sheet above and laterally against a horizontal supporting member, said sheet having a transversely extending slot, whereby envelopes attached adjacent each other in overlapping relation to a backing sheet may be separated from said backing sheet by drawing said backing sheet from above the metal sheet through said transverse slot and from below said metal sheet, and the envelopes may stack on said sheet.

2. An envelope stripping device comprising, a metal sheet, means to maintain said sheet above a supporting member, said sheet having an elongated transverse slot formed therein, a downwardly extending flange formed at one end of said sheet and an upwardly extending flange formed at the opposite end of said sheet.

3. An envelope stripping device comprising, a metal sheet, means to maintain said sheet above a supporting member, said sheet having an elongated transverse slot formed therein, the edges of said slot being in slightly different planes, a downwardly extending flange formed at one end of said sheet and an upwardly extending flange formed at the opposite end of said sheet.

References Cited in the file of this patent

UNITED STATES PATENTS

2,276,297 Flood ---------- Mar. 17, 1942

UNITED STATES PATENT OFFICE

CERTIFICATE OF CORRECTION

Patent No. 3,026,239 March 20, 1962

Charles E. Porter

It is hereby certified that error appears in the above numbered patent requiring correction and that the said Letters Patent should read as corrected below.

In the grant, lines 1 to 3, for "Charles E. Porter, of St. Paul, Minnesota," read -- Charles E. Porter, of St. Paul, Minnesota, assignor to Curtis 1000, Incorporated, of St. Paul, Minnesota, a corporation of Minnesota, --; line 12, for "Charles E. Porter, his heirs" read -- Curtis 1000, Incorporated its successors --; in the heading to the printed specification, lines 3 and 4, for "Charles E. Porter, St. Paul, Minn. (3 Red Cap Lane, South St. Paul, Minn.)" read -- Charles E. Porter, St. Paul, Minn., assignor to Curtis 1000, Incorporated, St. Paul, Minn., a corporation of Minnesota --.

Signed and sealed this 31st day of July 1962.

(SEAL)

Attest:

ERNEST W. SWIDER
Attesting Officer

DAVID L. LADD
Commissioner of Patents