Dec. 22, 1936. W. P. LLOYD ET AL 2,065,383

PHOTOCOPY MACHINE

Original Filed July 19, 1935 2 Sheets-Sheet 1

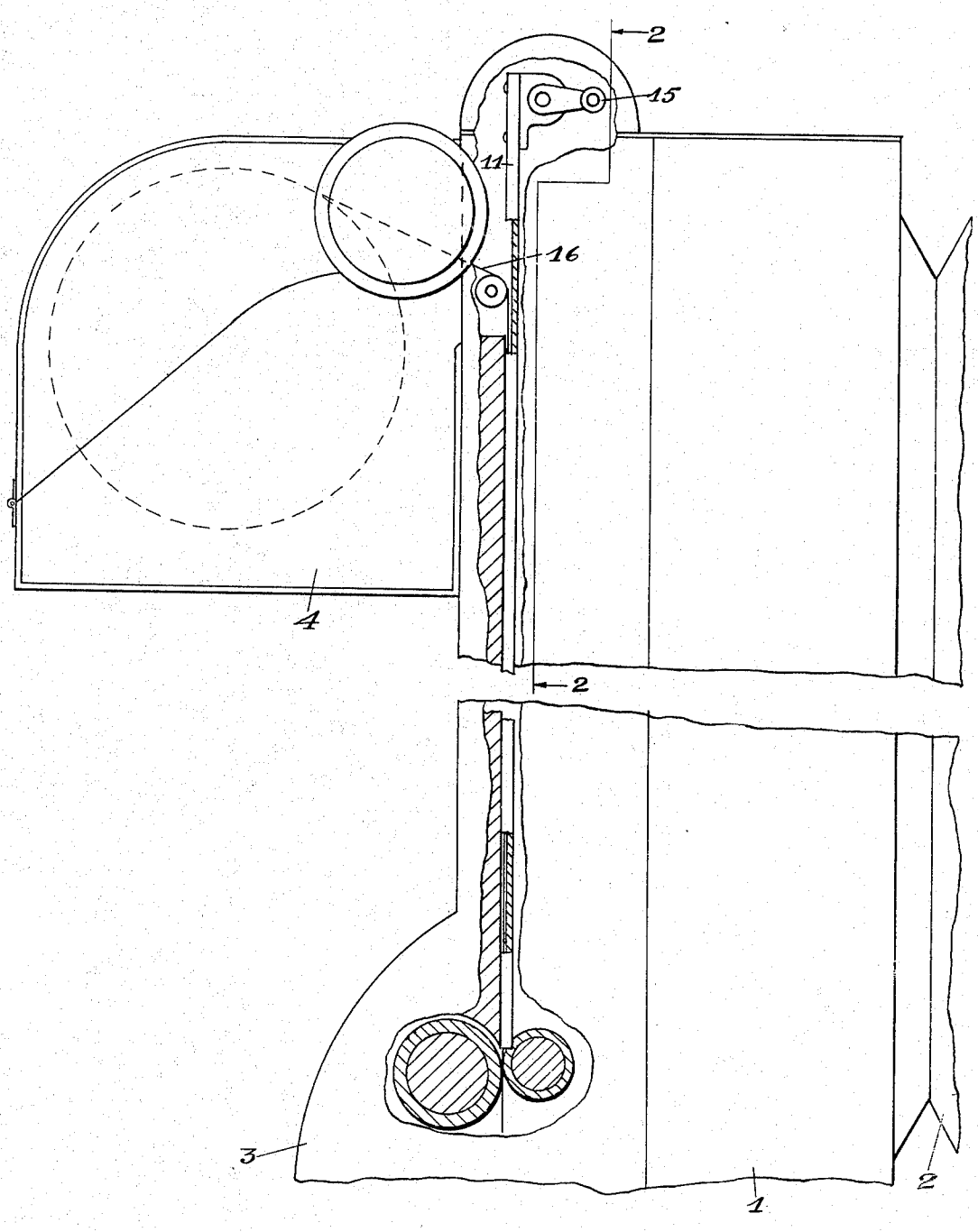


Fig. 1

INVENTOR
Whitten P. Lloyd and
Maxwell H. Hill
BY
Harold E. Stonebraker
ATTORNEY

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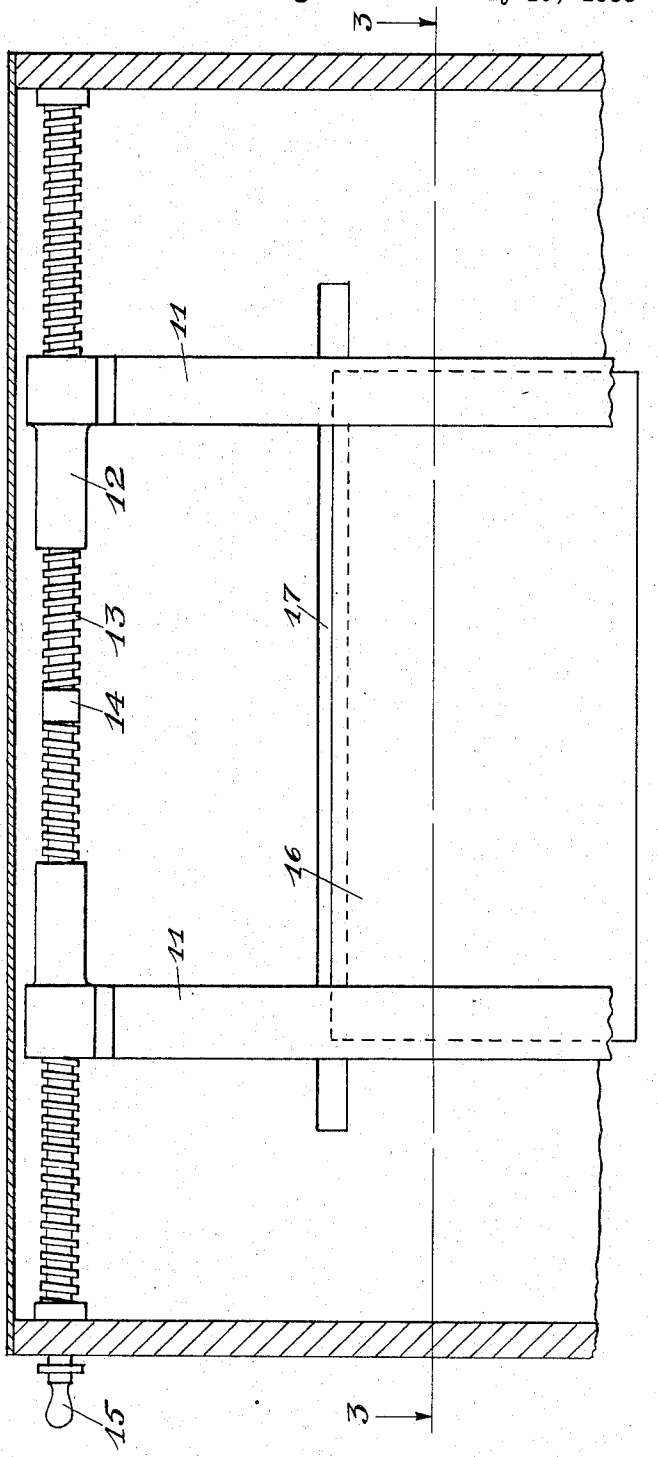


Fig. 2

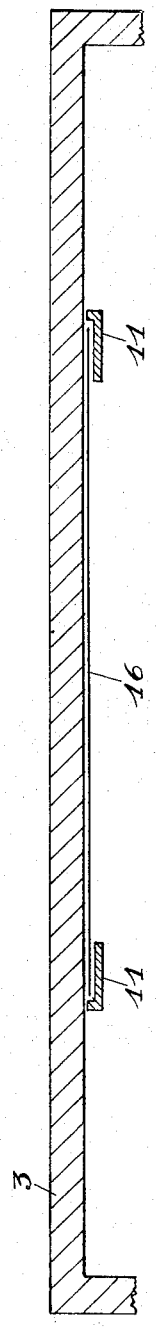


Fig. 3

INVENTORS
Whitten P. Lloyd and
Maxwell H. Hill
By Harold E. Stonebraker,
ATTORNEY

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UNITED STATES PATENT OFFICE

2,065,383

PHOTOCOPY MACHINE

Whitten P. Lloyd and Maxwell H. Hill, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York

Original application July 19, 1935, Serial No. 32,246. Divided and this application December 13, 1935, Serial No. 54,290

1 Claim. (Cl. 271—2.6)

This invention relates to a photo copy machine, with more particular reference to the type of apparatus in which drawings, documents and the like are photographed on a sheet of sensitized paper that travels through the machine from a roll, the exposed portion being fed and severed after each exposure, and it has for its object to afford simple and efficient mechanism for preventing twisting or skewing of the paper, or flexing of its edges, as it is fed through the machine.

A further object of the invention is to afford a mechanism that is readily adjustable for cooperation with paper of different widths, and which can be set to engage the edges of the paper irrespective of its width and to prevent flexing of such edges as the paper travels through the machine.

To these and other ends, the invention consists in the construction and arrangement of parts that will appear from the following description when read in conjunction with the accompanying drawings, the novel features being pointed out in the claims following the specification.

In the drawings:

Fig. 1 is a side view partially broken away and partially in section, of a photo copy machine showing applied thereto one practical embodiment of the invention;

Fig. 2 is a vertical sectional view on the line 2—2 of Fig. 1, and

Fig. 3 is a transverse sectional view on line 3—3 of Fig. 2.

This application is a division of original application filed July 19, 1935, Serial No. 32,246, and referring more particularly to the drawings in which like reference characters refer to the same parts throughout the several views, 1 designates a camera body, 2 is the usual bellows, and 3 is the magazine, while 4 is a roll box or sensitized paper container from which paper is threaded into the magazine 3, all substantially in accord with the structures disclosed in Patents Nos. 1,992,492, W. P. Lloyd, February 26, 1935, and 1,998,324, W. P. Lloyd, April 16, 1935.

In order to prevent the paper curling or warping away from the focal plane at its edges, a pair of vertical guides 11 are provided each of which is L-shaped in cross-section, as shown in Fig. 3, to overlie the edge of the paper and also extend across the surface of the paper for a portion of its width. It will be understood that the guides 11 cooperate with the edges of the paper strip from top to bottom of the focal plane, and they are adjustable uniformly in a lateral direction so as to make possible proper cooperation with paper sheets of different widths.

To accomplish this, each vertical guide 11 is provided with a nut 12 at its upper end that engages a threaded portion 13 on the adjusting shaft 14, the latter being mounted in suitable bearings in the frame of the machine and having an operating handle 15 at its outer end. The guides 11 are supported on the shaft 14, the portions 13 being threaded in opposite directions, and by turning the handle 15 and shaft 14 likewise, the guides 11 are moved uniformly in opposite directions toward or from the center of the paper strip so that they are brought into proper relationship with the edges of the paper, designated at 16, and which travels from the roll box through a slot 17 in the magazine and thence downwardly between the backing plate of the magazine and the guides 11.

While the invention has been described with reference to the particular embodiment shown, it is not confined to the details disclosed, and this application is intended to cover any modifications coming within the purposes of the improvement or the scope of the following claim.

We claim:

In a photo copy machine, the combination with a stationary backing plate having a level surface against which paper is fed and having an opening through which the paper is introduced, of a pair of guides independent of the backing plate and extending endwise thereof, each of said guides being L-shaped in cross-section with its short portion located adjacent to the edge of the paper and the edge of said short portion terminating away from the plane of the backing plate and its long portion located over and in close relation to the edge of the paper, said guides extending above and below the aforesaid opening, and means cooperating with said guides at their upper ends beyond the aforesaid opening and operable to adjust them simultaneously toward or from each other to accommodate paper of different widths.

WHITTEN P. LLOYD.
MAXWELL H. HILL.