Aug. 4, 1931. P. C. ARMITAGE 1,817,728

FILM NUMBERING MACHINE

Filed March 7, 1928 2 Sheets-Sheet 1

Fig. 1.

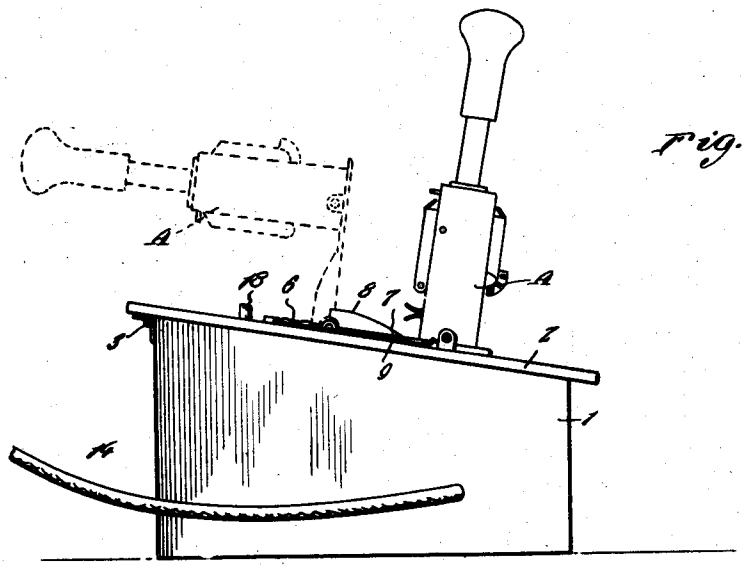


Fig. 2.

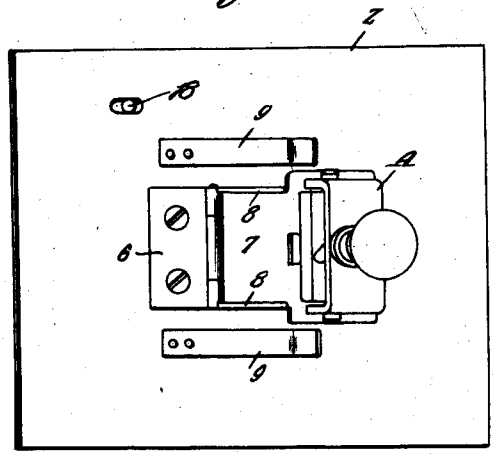
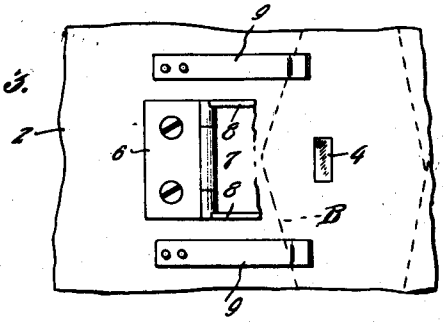


Fig. 3.



P. C. Armitage
INVENTOR

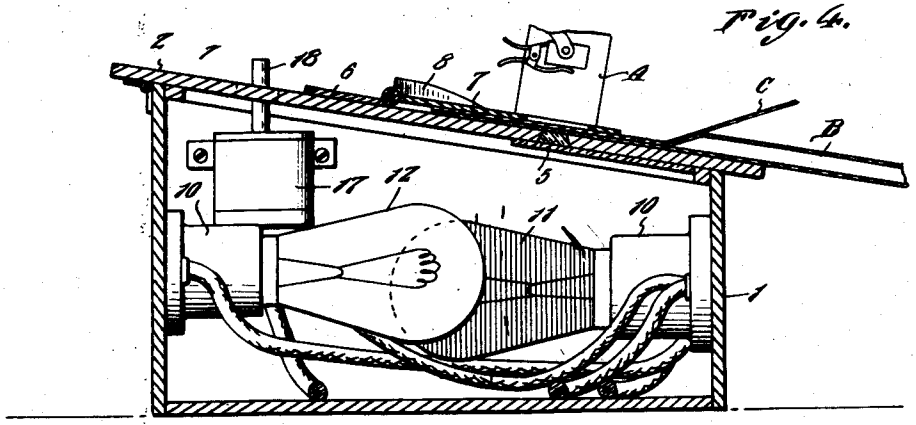
BY Victor J. Evans
ATTORNEY

Aug. 4, 1931. P. C. ARMITAGE 1,817,728

FILM NUMBERING MACHINE

Filed March 7, 1928 2 Sheets-Sheet 2

Fig. 4.



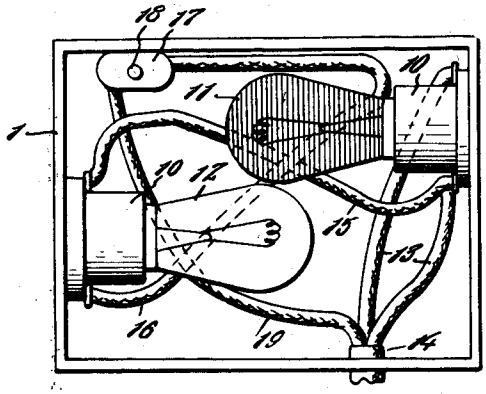
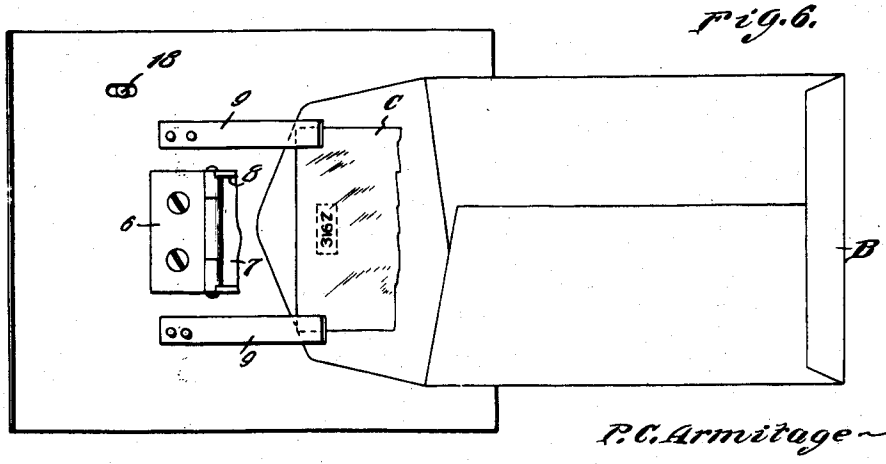


Fig. 5.

Fig. 6.



P. C. Armitage
INVENTOR

BY Victor J. Evans
ATTORNEY

Patented Aug. 4, 1931 1,817,728

UNITED STATES PATENT OFFICE

PERCY C. ARMITAGE, OF POMONA, CALIFORNIA, ASSIGNOR OF ONE-HALF TO PAUL W. NEWCOMER, OF POMONA, CALIFORNIA

FILM NUMBERING MACHINE

Application filed March 7, 1928. Serial No. 259,884.

This invention relates to a film numbering machine, the general object of the invention being to provide means for printing a number on an envelope containing one or more films of a customer and photographing the same number on the film or films that are to be placed in the envelope after being developed and printed, so that the danger of getting the films of several customers mixed is eliminated.

Another object of the invention is to provide a numbering device for numbering the flaps of the envelopes, with means for exposing portions of films held against the numbers on the envelopes to light rays so that the same number on an envelope will appear on the film when the film is to be developed.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:—

Figure 1 is a side view of the invention.

Figure 2 is a top plan view.

Figure 3 is a fragmentary top plan view.

Figure 4 is a vertical sectional view showing the film and envelope in position.

Figure 5 is a view of the casing, with the cover removed.

Figure 6 is a plan view showing the envelope in position and after its flap has been printed with a number.

In these views, the numeral 1 indicates a casing which is provided with a sloping cover 2, the cover being hinged at its rear end to the high part of the casing, as shown at 3. The cover is provided with a small hole 4 adjacent its lower end in which is placed a strip 5 of transparent material, the top of the strip being flush with the upper face of the cover.

A hinge has one of its leaves 6 fastened to the cover and its other leaf 7 is of considerable length and is enlarged at its free end, this enlarged part having an opening therein which exposes the transparent member when the leaf is resting upon the cover. A numbering device A is fastened to the enlarged part of the leaf 7 so that its number carrying part will register with the transparent member when the leaf is resting on the cover. This device is of the usual type and is so constructed that a new number will come into operative position every time the device is actuated. Flanges 8 are formed on the sides of the leaf 7 and form legs for supporting the leaf 7 in vertical position when the same is swung upwardly into the dotted line position shown in Figure 1. Thus when the numbering device is swung upwardly and rearwardly, it will be supported in this position by the leaf 7 and its legs, as shown in dotted lines in Figure 1. A pair of spring fingers 9 are fastened to the cover, one on each side of the hinge, and these fingers are adapted to hold the flap of an envelope B over the transparent member when said flap is placed under the ends of said fingers, as shown in Figure 6.

Thus by placing the flap of the envelope under the spring fingers, and then pulling the numbering device into operative position and actuating the same, a number will be printed on the flap of the envelope and this number will be immediately over the transparent member.

A pair of lamp sockets 10 is arranged in the casing and a ruby lamp bulb 11 is placed in one socket and an ordinary bulb 12 is placed in the other socket. Conductors 13 are connected with the socket of the ruby lamp and after passing through a hole 14 in the casing, are connected with a suitable source of supply. A branch conductor 15 leads from one of the conductors 13 to the socket 10 of the white lamp and a conductor 16 passes from this socket to a switch 17 arranged in the casing and having its stem 18 passing through a hole in the cover. A conductor 19 connects the switch with the return conductor 13.

Thus it will be seen that the ruby light burns continuously, but the other lamp will

only be ignited when the stem 18 is pushed inwardly to close the switch.

One end of the film which is to be numbered with the same number on the flap is placed under the spring fingers and over the flap and then the stem 18 is depressed so as to close the circuit to the white lamp. Thus the rays of light from said lamp will pass through the transparent member and the flap which acts as a negative for the film, so that the number on the flap is photographed on the film and when the film is developed, the numbers will appear white in a small black square, so that the film will contain the same number as the envelope and the photographer can readily tell the various orders from one another and will know that the films containing the same numbers as those on an envelope must be placed in said envelope. Of course, if more than one film is contained in an envelope, each film must be photographed with the same number as the envelope. The film can be pressed by the fingers on the numbered part of the flap to insure good contact between the film and the flap. The ruby light will give enough illumination to permit the envelope and film to be properly positioned over the window in the cover.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

It is to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:—

1. A device of the class described comprising a casing, a cover hinged thereto and having a window therein, a hinge having one leaf fastened to the top of the cover, the other leaf having a hole therein for exposing the window when the leaf is resting upon the cover, an automatic numbering device connected with the said leaf, means for holding the leaf with the numbering device thereon in upright position, said numbering device being arranged over the hole in the leaf with its operable number arranged over the window when the parts are in operative position, spring fingers on the cover for holding the flap of an envelope over the window and under the numbering device so that when the device is actuated, a number will be printed on that part of the flap which is over the window, a ruby lamp in the casing, a white lamp in the casing, circuits for the lamps and a switch for closing the circuit of the white lamp so that the rays of light therefrom will pass through the window and through the numbered portion of the flap and photograph the number on a portion of a film which is pressed against the flap, the handle of the switch passing through the cover.

2. A device of the class described comprising a casing having a window therein, a hinge having one leaf fastened to the top of the casing and the other leaf having an opening therein which will register with the window when the leaf is in lowered position, wings on the second leaf and engaging the top of the casing when the second leaf is raised to hold said leaf in upright position and an automatic numbering device attached to the second leaf and having its type part arranged to pass through the opening in the leaf when the numbering device is operated whereby the flap of an envelope placed over the window and under the numbering device will be printed when the numbering device is actuated, a lamp in the casing, a circuit for the same and a switch for closing the circuit whereby the rays of light from the lamp will pass through the window and through the numbered portion of the flap and photograph the number on a portion of the film pressed against the flap.

In testimony whereof I affix my signature.

PERCY C. ARMITAGE.