

# PATENT SPECIFICATION



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## COMPLETE SPECIFICATION.

### Control Device for the Film Gate in Motion Picture Apparatus.

We, **PATHE CINEMA, ANCIENS ETABLISSEMENTS PATHÉ FRÈRES**, 30, Boulevard des Italiens, Paris, France, a company organized under the laws of France, Assignees of **LES ÉTABLISSEMENTS CONTINSOUZA**, a company registered under French law, of 403, rue des Pyrénées, Paris (Seine), France, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to a device for controlling the film gate in a motion picture apparatus.

According to this invention the film gate is operatively connected to the door of the apparatus so as to bring the film gate into the clamping or releasing position when the door of the apparatus is respectively closed or opened.

This is obtained for instance by providing the door of the apparatus with a stop piece which is adapted to press upon the film gate when the said door is closed, in order to engage said film gate in the corresponding guide for the film, said film gate being disengaged when the door of the apparatus is opened.

In the accompanying drawing which shows by way of example the above said embodiment of the invention:

Fig. 1 is an elevational view of the film gate, the door of the apparatus being removed.

Fig. 2 is a sectional view of the device, the section plane being perpendicular to the axis of the door of the apparatus, the film gate and the door of the apparatus being in the open position.

Fig. 3 is a view similar to Fig. 2, the film gate and the door of the apparatus being in the closed position.

The film gate 1 is pivoted at 2 to the body of the motion picture apparatus and

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carries the pressing frame 3 which presses the film in the guide 5 of the apparatus, by means of the spring 11 bearing upon the rod 12 rigidly secured to the film gate 1. The door 6 of the apparatus is pivoted to the body at 7 and is provided with the small angle bracket 8 having a flange perpendicular to the gate and long enough to meet the member 4 secured to the film gate and thus exert a pressure on the latter when the door is brought into the closed position. The operation of the apparatus will be easily understood when the door 6 is opened, the film gate 1 is disengaged from the guide 5, as shown in Fig. 2. On the contrary, when the door 6 is closed, the angle bracket 8 presses upon the film gate and brings it into contact with the apparatus, so that the film will be pressed into the guide 5. When it is opened, the film gate is automatically released from the guide by the reaction of the spring 11 of the pressing frame 3. It is obvious that this disengagement might also be obtained by means of any other suitable connection between the film gate and the apparatus door.

This invention simplifies the operations of loading and unloading the apparatus. After having disposed the film box in the apparatus, and the loop of film in the gate, it is merely sufficient to close the door of the apparatus.

It is obvious that constructional modifications may be made in the device above described, without departing from the principle of the invention.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A control device for the film gate in motion picture apparatus, characterized

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in that the door (6) of the apparatus and the film gate (1) are operatively connected to each other, for instance by means of a stop piece (8), so that the closing and opening of the door of the apparatus, cause respectively the closing and opening of the film gate.

5 2. A control device for the film gate in motion picture apparatus substantially

as described and as shown in the accompanying drawing. 10

Dated this 22nd day of March, 1923.

For the Applicants,  
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London.

[This Drawing is a reproduction of the Original on a reduced scale.]

Fig. 1

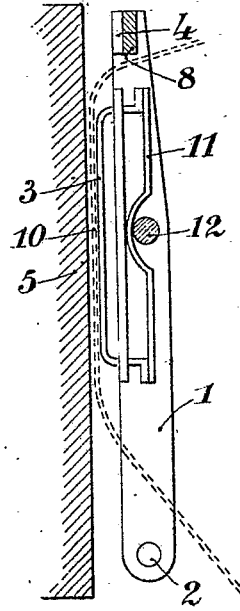


Fig. 2

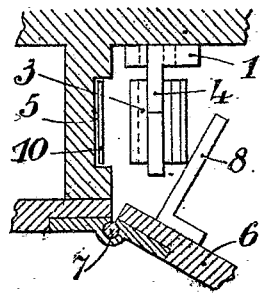


Fig. 3

