

No. 891,431.

PATENTED JUNE 23, 1908.

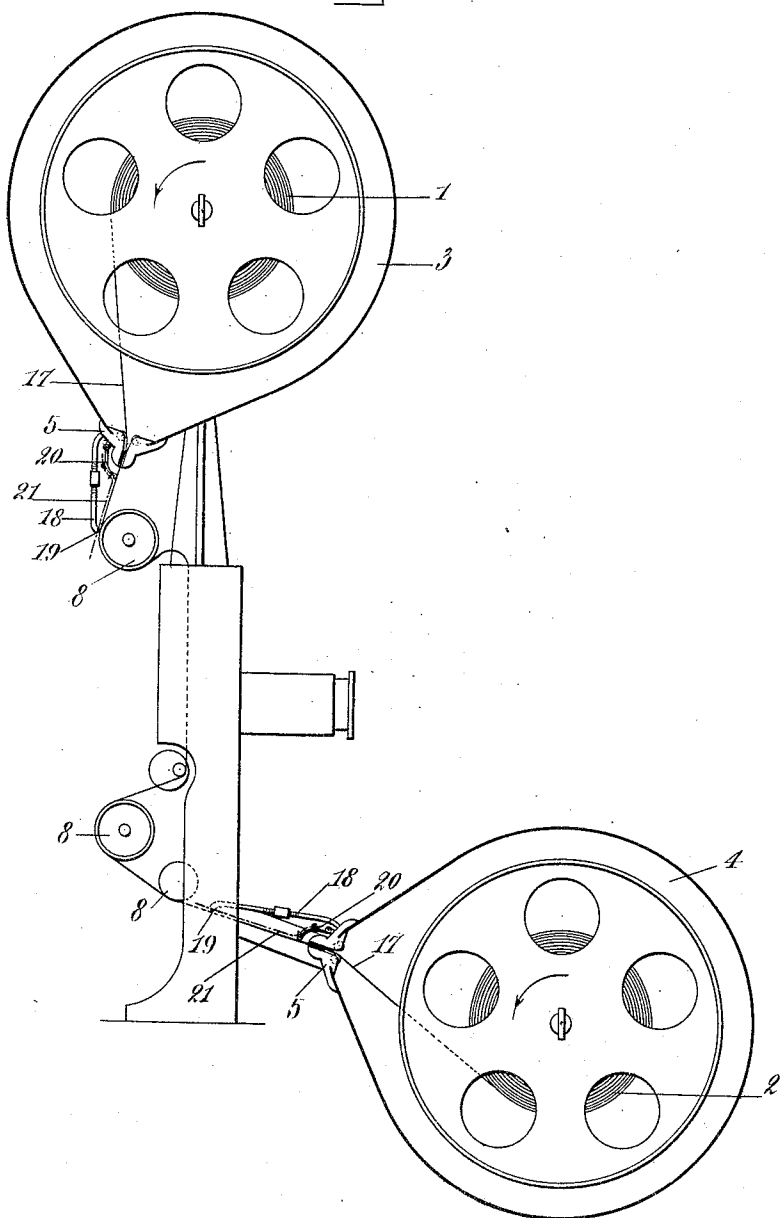
A. MALLET.

SAFETY ATTACHMENT FOR KINEMATOGRAPHS.

APPLICATION FILED OCT. 29, 1907.

2 SHEETS—SHEET 1.

Fig. 1



WITNESSES;

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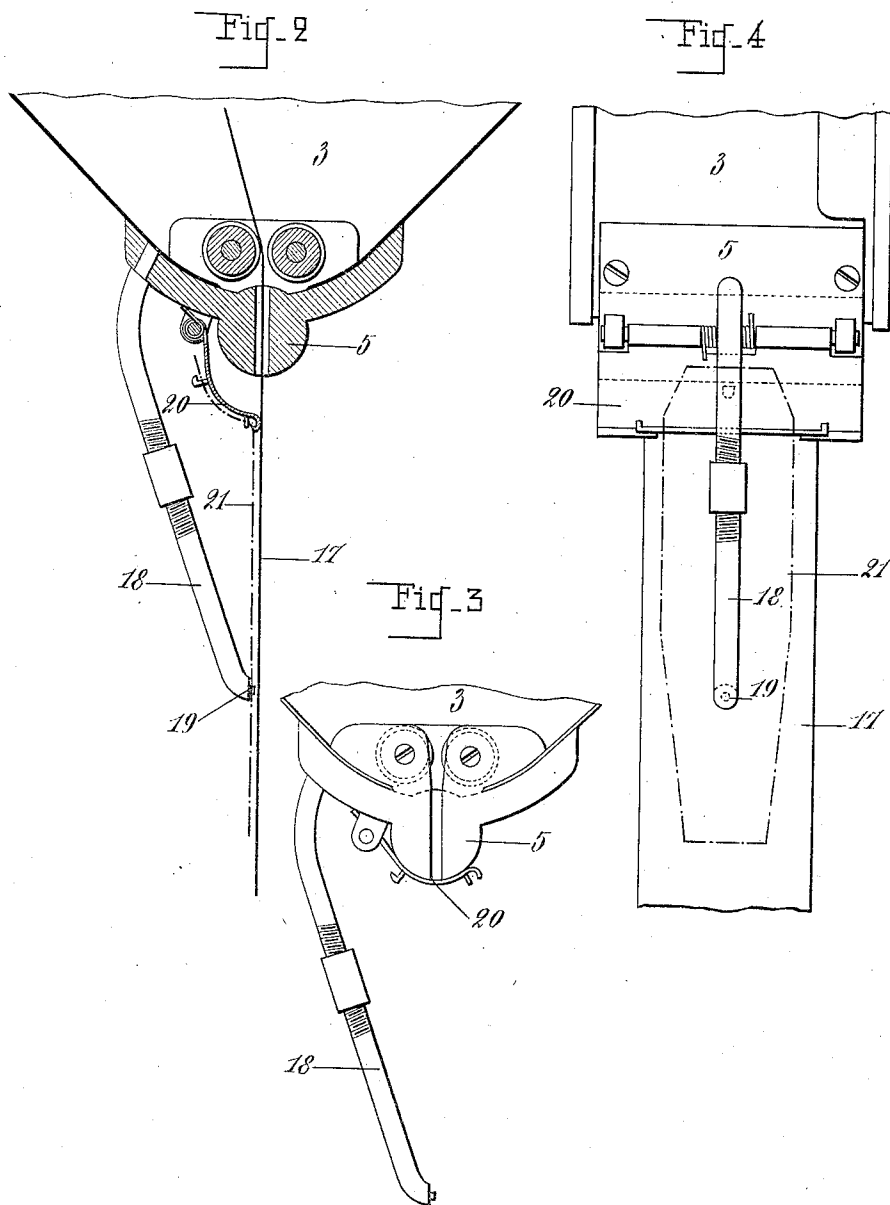
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UNITED STATES PATENT OFFICE

ARCADE MALLET, OF PARIS, FRANCE.

SAFETY ATTACHMENT FOR KINEMATOGRAPHS.

No. 891,431.

Specification of Letters Patent.

Patented June 23, 1908.

Application filed October 29, 1907. Serial No. 399,718.

To all whom it may concern:

Be it known that I, ARCADE MALLET, a citizen of France, residing at Paris, in the Republic of France, have invented a new and useful Safety Attachment for Kinematographs, (for which I have obtained a patent in France, No. 371,008, bearing date October 31, 1906); and I do hereby declare the following to be a full, clear, and exact description of the same.

The present invention has for its object a device which enables to stop automatically, the burning of the strips of films employed in kinematographs when they have become accidentally ignited.

The drawing annexed to the present specification shows, by way of example, a mechanical device in accordance with the present invention.

In this drawing: Figure 1 is a front elevation of the arrangement as a whole, with the covers of the boxes removed. Fig. 2 is a partial sectional front elevation, on a larger scale, representing the device in the open position. Fig. 3 is a corresponding elevation, in the closed position, and finally Fig. 4 is a side elevation of the device shown in Fig. 2, on the lefthand side of this figure.

The same reference numerals represent the same elements in the various figures.

In this system, the film spools 1 and 2 (Fig. 1) are respectively inclosed in hermetically closed boxes 3, 4, which are fixed at their bottoms to the spindle of each of the spools, which are carried in the ordinary manner. Each of the boxes 3, 4, terminates, at the place at which the film leaves it, in a nozzle 5. The film is led in the ordinary manner over the various driving rollers 8, from one spool to the other.

The device by means of which the burning of the film may be stopped automatically is constituted in the following manner; upon the nozzles 5 of each of the boxes 3, 4, or at

some other place on those boxes, there are mounted rods 18, the length of which is adjustable at will, and which end in a knob 19 by means of which a strip of celluloid or any other inflammable matter 21 is stretched, this strip serving to keep open spring obturators 20. These obturators 20 are of such a form that the strips of inflammable matter 21 are almost contiguous to the strip of film 17, from which it follows that if the latter should become ignited owing to this proximity the strip 21 is immediately kindled likewise so that it no longer retains the corresponding obturator 20 which results in the immediate closing of the latter and consequently the cutting off of all communication between the outer strip of film and the inner spools.

What I claim is:

1. A safety device to stop the burning of a film in a kinematograph, comprising magazines provided with nozzles, spring obturators coöperating therewith, and an inflammable strip in proximity with the film, holding open the spring obturators, whereby ignition of the film will ignite the strip and release the obturators.

2. A safety device to stop the burning of a film in a kinematograph, comprising nozzles, means for closing said nozzles, highly-combustible material coöperating with said means to normally keep the nozzles open, the whole arranged to ignite the highly-combustible material upon ignition of the film and to release the aforesaid nozzle-closing means.

In testimony whereof, I have signed my name to this specification in the presence of two subscribing witnesses.

ARCADE MALLET.

Witnesses:

JULES FAYOLLET,
EUGÈNE PICHON.