

N° 26,265



A.D. 1913

(Under International Convention.)

*Date claimed for Patent under Patents and Designs
Act, 1907, being date of first Foreign Appli- } 21st Nov., 1912
cation (in France),*

Date of Application (in the United Kingdom), 15th Nov., 1913

(Patent of Addition to No. 3220 of 1912, dated 11th Feb., 1911)

At the expiration of twelve months from the date of the first Foreign Application, the provision of Section 91 (3) (a) of the Patents and Designs Act, 1907, as to inspection of Specification, became operative

Complete Specification Accepted, 24th Dec., 1913

COMPLETE SPECIFICATION.

Improvements in Three Colour Cinematographic Projection Apparatus.

We, SOCIÉTÉ DES ÉTABLISSEMENTS GAUMONT, of rue St. Roche, Paris, in the Republic of 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:—

5 This invention relates to three colour cinematographic projection apparatus of the kind described and claimed in our prior Patent No. 3220/12 and more particularly to such apparatus which is modified in accordance with the invention described in the Specification of Letters Patent No. 24,873/12 granted to us.

In the specifications of said patents there is described and claimed, apparatus 10 for regulating objectives, permitting, when the objectives have been displaced until the central image is clear, of displacing individually, and in the direction of their axes the extreme objectives, by means of movable nuts until the images furnished by said objectives are clear and of equal size.

The present invention relates to a modification in or an improvement upon 15 such device and consists essentially in producing the advancing or retarding movement of each of the extreme objectives by the mere operation of a lateral knob.

The following description with the aid of the drawings which latter are shewn by way of example, will furnish an understanding of the object and the advantages of this modification.

Figure 1 is a longitudinal vertical section through the mounting of the objectives O^1 , O^2 , O^3 , at the level of the axis of one of the knobs.

Figure 2 is a vertical section through the axes of two knobs.

To each knob B, a spindle t is secured, which is terminated by an eccentric 25 cam C located in the recess e^1 of the casing g of the objective. By turning a knob B a longitudinal movement of the corresponding objective is produced, either forward or backwards.

To place each objective in its frame d or to withdraw it therefrom without the

[Price 8d.]



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cam C being an obstacle, this cam is removed by bringing it into the recess *a* formed in the said frame, by exerting a tractive effort on the knob B. A helical spring *r* placed around the rod *t* and bearing with one end on the cam and with the other on a member integral with the frame, enables the cam to return automatically to its recess *e*¹ in the casing when this recess confronts the cam located 5 in the recess *a*, when sliding in the objective.

In order that the objective may be turned over, a symmetrical recess *e*² has been formed on the other side of the casing of the objective.

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 10 what we claim is:—

1. In a three colour cinematographic projection apparatus as described and claimed in the Specification of Letters Patent No. 3220/12 means for displacing the extreme objectives along their axes, to effect an equality in clearness and size of images, said means comprising an eccentric cam for each of the objectives, 15 the said cam each being carried by a spring controlled rod provided with a knob for operating, and moving in a recess formed in the casing of the objective, the cams being adapted also to be raised from their seats so as to permit of inserting or withdrawing the objectives from the frame.
2. Three colour cinematographic projection apparatus substantially as 20 described.

Dated this 15th day of November, 1913.

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Agents for the Applicants.

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THE COMPLETE SPECIFICATION OF SOC. DES ETABLISSEMENTS GAUMONT. (1 SHEET)

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

Fig. 1.

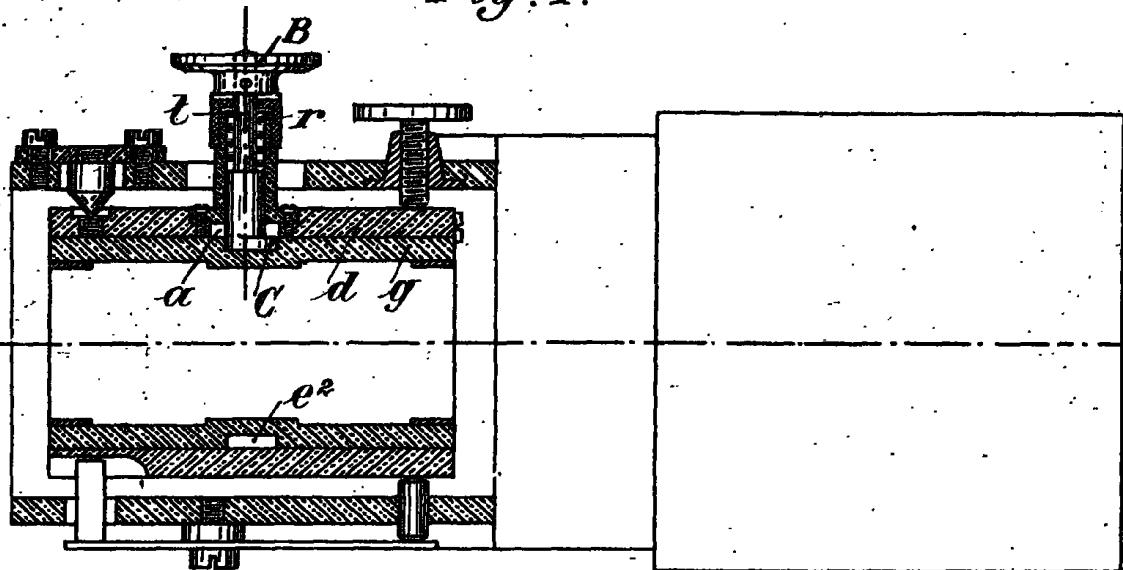
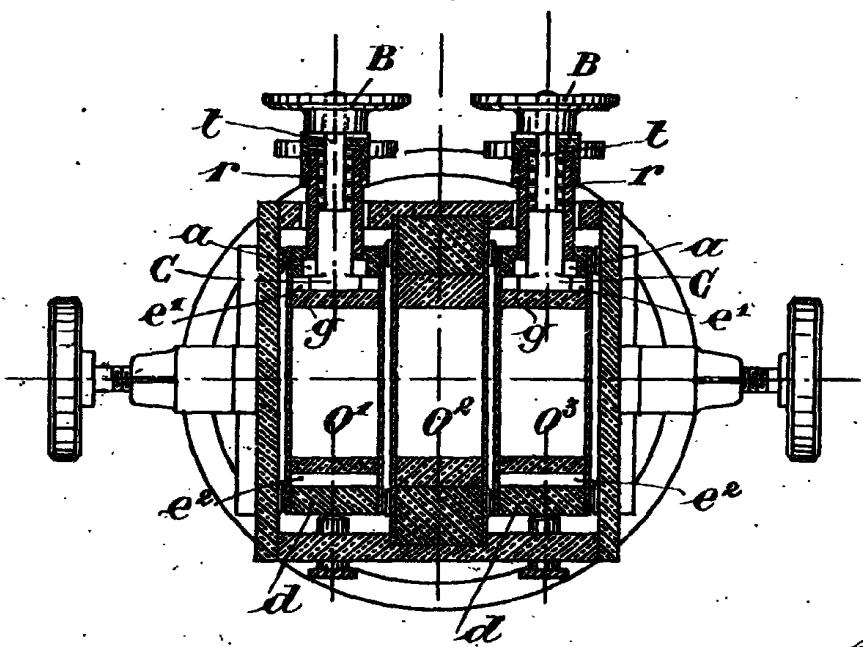


Fig. 2.



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