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FILM GUIDING ROLL FOR CINEMATOGRAPHIC APPARATUS

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Fig. 1

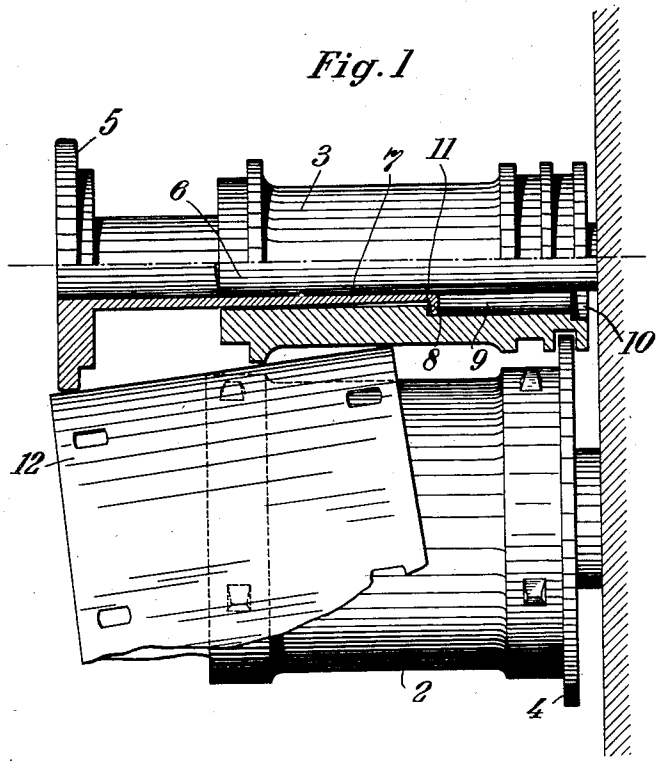
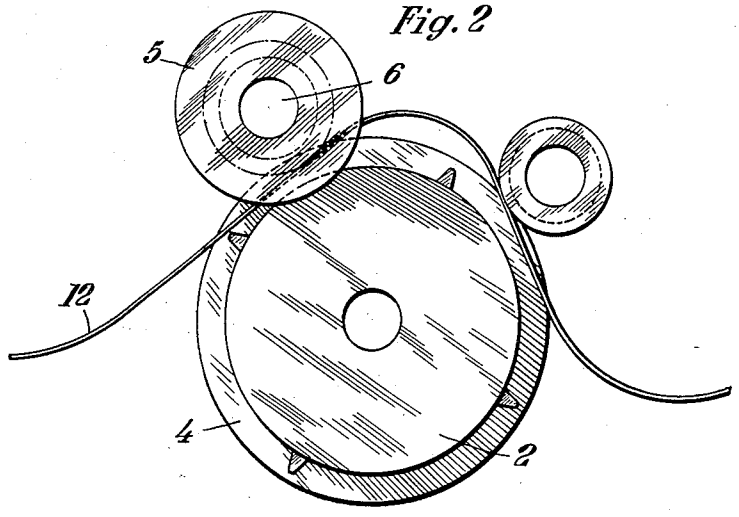


Fig. 2



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FILM GUIDING ROLL FOR CINEMATOGRAPHIC APPARATUS

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2 Claims. (Cl. 74—240)

Our present invention relates to a film guiding roll.

In cinematographic apparatus there are usually arranged guiding rolls which ensure the transport of the film by the feed roller. In order to prevent the film from slipping off the feed roller it is necessary to provide a border which renders threading of the film very troublesome.

According to our invention this drawback is avoided by mounting the guide roller movably in the direction of the axle bearing the same.

The accompanying drawing illustrates our invention.

Fig. 1 represents a front view of our new film guiding roller partially in section and its connection with the feed roller and Fig. 2 shows a side view of the same arrangement.

On the wall 1 of the casing of a cinematographic apparatus (not shown) there is mounted the feed roller 2 and the guide roller 3. The guide roller is fixed in its axial direction by means of the border 4 of the feed roller or in any other known manner. In order to ensure an easy threading and at the same time a secure conduct of the film 12 the guide roller is provided with a border 5 this border being connected to the guide roller in such a manner that the former can be moved in the direction of the axle. The connection is obtainable by rotatably mounting on the axle 6 of the guide roller a bush 7 carrying at its end remote from the wall of the casing the border 5, the other end of the bush being ripped up to form elastic flaps 8. The guide roller 3 is provided with a boring 9 having a recess 10. The elastic flaps 8 are bent round at their ends for providing a good connection between the bush and the guide roller. When the apparatus is ready for use the bent ends of the flaps lie in the recess 10. If the border 5 is removed for threading the film the elastic flaps will collapse and slide in the boring 9 until reaching the abutment 11, while the guide roller is kept in place. The inner diameter of the guide roller is preferably kept somewhat smaller in order to ensure an easy introduction of the film 12. After the film has been introduced the border 5 is shoved in; thus the film is guided on both its sides.

What we claim is:

1. In a cinematographic apparatus, in combination, a flanged sprocket drum with a guide roller comprising a fixed axle and two flanged members mounted on said axle, the outer member being freely movable laterally on the axle to an extent that a film strip can be inserted between the sprocket drum and the guide roller in the direction parallel to the axis of the sprocket drum.

2. In a cinematographic apparatus, in combination, a flanged sprocket drum with a guide roller comprising a fixed axle and two flanged members rotatably mounted on said axle, said members being arranged one within the other, the outer member being provided with a boring having a recess and with annular grooves one of which cooperates with said flange of said sprocket drum, the inner member forming a bush between the outer member and said axle being ripped up at the end opposite the flange to form elastic flaps which are bent round at their ends, said flaps co-operating with said boring so as to prevent said bush from being completely removed when moved in the direction of said axle.

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