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J. V. CURRAN

1,933,659

FILM CLIP

Filed Oct. 1, 1932

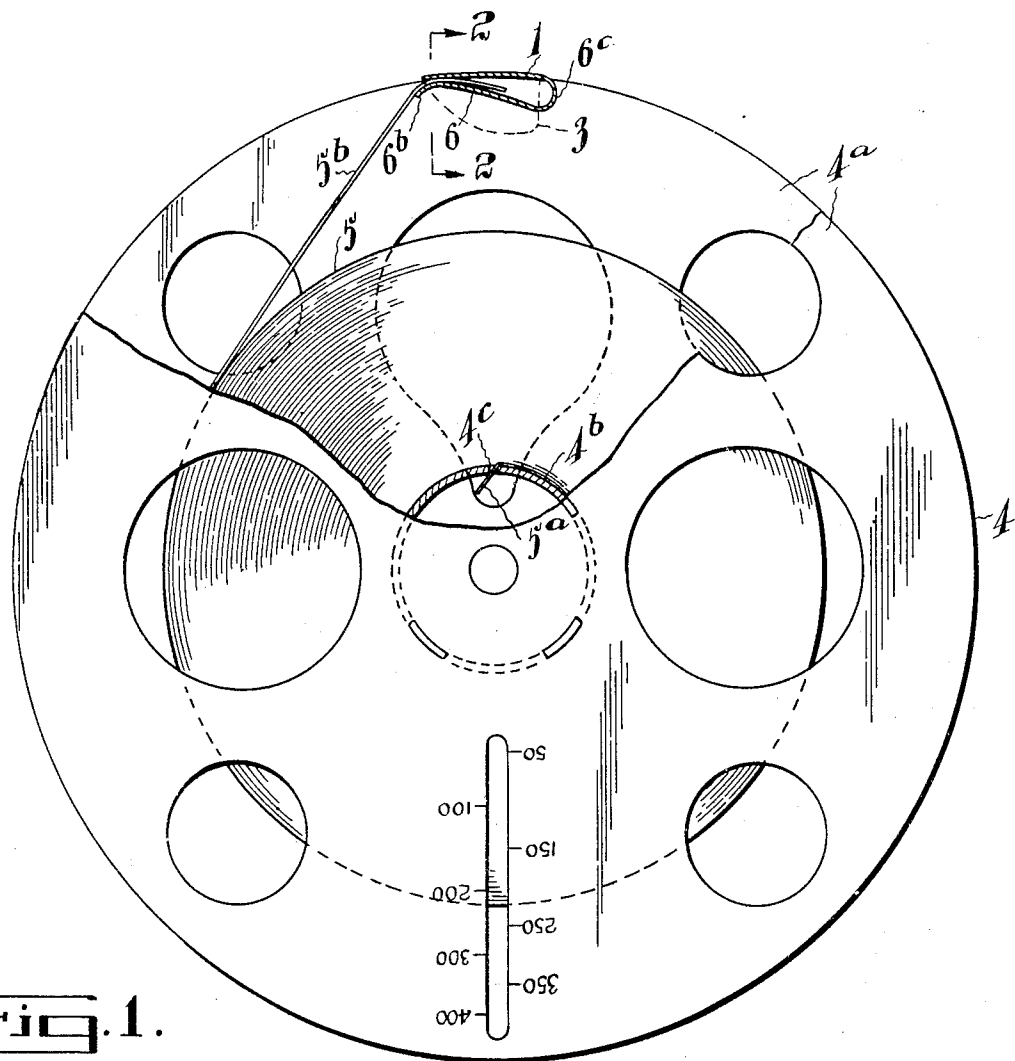


Fig. 1.

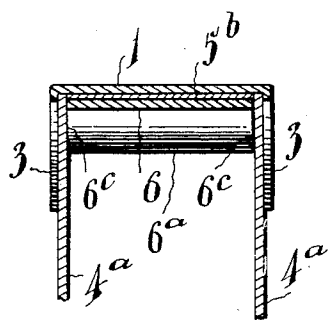


Fig. 2.

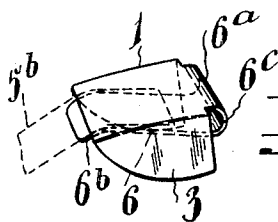


Fig. 3.

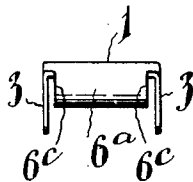


Fig. 4.

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UNITED STATES PATENT OFFICE

1,933,659

FILM CLIP

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Application October 1, 1932. Serial No. 635,728

6 Claims. (Cl. 242-74)

This invention relates to a clip for holding the free end of motion picture film or the like on its reel and my object is to provide a clip of this character in which the free end of the film is not only held from unwinding but is positioned for ready access on the reel.

I attain my objects by providing a U-shaped clip having a top plate, adapted to span the flanges or disks of a reel and clamping members adapted to frictionally engage the outer sides of said flanges. Integral with the top plate is a spring tongue adapted to co-operate with the inner side of the top plate to frictionally hold the free end of the roll of film. The sides of the spring tongue are adapted to be snugly received between the flanges of the reel to prevent distortion thereof by the pressure of the clamping members against the outer sides of the flanges.

The constructions are hereinafter more fully described and are illustrated in the accompanying drawing in which

Fig. 1 is a side elevation, partly broken away, of a reel of film showing my clip in section thereon;

Fig. 2 an enlarged cross-sectional detail on the line 2-2 in Fig. 1;

Fig. 3 a perspective view of my clip; and
Fig. 4 a rear end view thereof.

In the drawing like numerals of reference indicate corresponding parts in the different figures.

The clip includes a top plate 1 and clamping members 3 which are formed at opposite sides thereof and bent substantially at right angles thereto to span the flanges 4^a of a film reel 4. The reel 4 is of standard construction and the flanges 4^a are formed by a pair of thin metal disks secured in spaced relationship to a hub 4^b which is provided with a slit 4^c to releasably secure one end 5^a of a strip or web of film 5 to the reel. When the film strip is wound on the reel in the usual manner, the free end 5^b of the roll of film is releasably held between a spring tongue 6 and the adjacent face of the top plate 1.

The tongue 6 is formed integral with the top plate 1 at one end thereof and is bent at 6^a to extend beneath the top plate and to co-operate with the under or inner side thereof. That is to say the bend 6^a is in the form of a spring loop which tends to maintain the tongue in engagement with the inner side of the top plate. To facilitate the passage of the free end 5^b of the film between these parts, the free end of the tongue is projected slightly at 6^b beyond the adjacent end of the plate 1.

The width of the tongue 6 and its spring loop 6^a is substantially the same as the distance be-

tween the inner sides of the flanges 4^a so that the edges 6^c of the tongue will snugly fit between the said inner sides when the clip is applied to the reel. Any distortion of the flanges 4^a by the clamping members 3 pressing against the outer sides thereof is thus prevented by the tongue 6 which extends across the space between the inner sides of the flanges.

From this description it will be noted that the clip comprises two U-shaped clamps, one of which is formed by the parts 3, 1 and 3 and the other formed by the parts 1, 6^a and 6 and that these clamps are disposed at right angles to one another. By passing the free end 5^b of the film strip, after it is wound on the reel, between the clamp parts 6 and 1, drawing the clamped end taut, and then engaging the members 3 with the outer sides of the reel flanges 4^a, the roll of film is not only held from unwinding but the free end thereof is clamped on the periphery of the flanges so that it may be readily reached when it is desired to use the film again. If desired, the members 3 may be provided with inwardly directed projections for engaging the outer sides of the flanges and these may be formed by making slight indentations in the outer sides of the members.

What I claim as my invention is:

1. A film clip comprising clamping means adapted to frictionally engage the outer sides of the flanges of a film reel; and means carried by the clamping means for holding the free end of a roll of film, the said holding means being adapted to be snugly received between the inner sides of the said flanges to prevent distortion thereof by the pressure of the clamping means against the outer sides thereof.

2. A film clip comprising clamping means adapted to frictionally engage the outer sides of the flanges of a film reel; and a spring tongue carried by the said clip adapted to co-operate with a part thereof to hold the free end of a roll of film, the said tongue being adapted to be snugly received between the inner sides of the said flanges to prevent distortion thereof by the pressure of the clamping means against the outer sides thereof.

3. A film clip comprising a top plate, clamping members carried thereby for gripping engagement with the opposed outer sides of the flanges of a film reel; and a spring tongue carried by the top plate and adapted to co-operate with the inner side thereof to hold the free end of a roll of film, the said tongue being adapted to be snugly received between the inner sides of the said flanges to prevent distortion thereof by the pres-

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sure of the clamping members against the outer sides thereof.

4. A film clip comprising two U-shaped spring clamps disposed at right angles to one another and connected together, one clamp being adapted to span the flanges of a film reel and releasably engage the outer sides thereof, the other clamp being adapted to releasably hold the free end of a roll of film carried by the reel.

5. A film clip comprising two U-shaped spring clamps disposed at right angles to one another and connected together, one clamp being adapted to span the flanges of a film reel and releasably

engage the outer sides thereof, the other clamp being adapted to releasably hold the free end of a roll of film carried by the reel and having its edges adapted to be snugly received between the inner sides of the flanges.

6. A film clip comprising a strip of spring material cut to form two U-shaped clamps disposed at right angles to one another, one clamp being adapted to span the flanges of a film reel and releasably engage the outer sides thereof, the other clamp being adapted to releasably hold the free end of a roll of film carried by the reel.

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15	90
20	95
25	100
30	105
35	110
40	115
45	120
50	125
55	130
60	135
65	140
70	145
75	150