



Application Date : 13th Sept., 1938. No. 3979/38.

*Applicant (Assignee of Actual Inventor)* .. VALSTS ELEKTROTECHNISKA FABRIKA.  
*Actual Inventor* .. .. . WALTER ZAPP, of Latvia.  
*Application and Complete Specification* .. Accepted, 28th March, 1939.  
*Acceptance Advertised (Sec. 50)* .. .. 20th April, 1939.

### Class 52.7.

*Drawing attached.*

#### COMPLETE SPECIFICATION.

### “Improvements in daylight-packages for unperforated roll film for photographic apparatus.”

We, VALSTS ELEKTROTECHNISKA FABRIKA, of Brivibas gatve 19, Riga, Latvia, a State Company of Latvia, incorporated under the Laws of Latvia, Manufacturers, hereby  
 5 declare this invention and the manner in which it is to be performed, to be fully described and ascertained in and by the following statement:—

The present invention relates to packages  
 10 for roll film, for daylight loading of cameras, and refers to film packages of the kind comprising two interconnected cases, one of these cases containing the unexposed  
 15 film and the other containing a roller to which the outer end of the film roll is attached and on to which the exposed film is wound.

Packages of this type intended more particularly for cinematograph films have  
 20 previously been suggested in which the cases are interconnected by articulated plates or arms to permit the distance between the cases to be varied, the articulated plates or arms bridging one or both pairs of  
 25 corresponding ends of the cases and lying

in a plane or planes lengthwise of and perpendicular to the portion of the film which extends between the cases.

The present invention is more particularly concerned with light tight packages for 5 unperforated roll film for use in photographic cameras of the vest pocket size.

An object of the present invention is to avoid or reduce the liability of scratching  
 10 of the film during its travel from one case of the package to the other.

Another object is to facilitate the insertion of the film package in, and its withdrawal from the camera, by providing an inter-  
 15 connecting element for the cases of such character that it can be used as a handle.

In the film package according to the present invention, the two cases are spaced  
 20 apart from each other at a fixed distance corresponding substantially to the length of 20 a picture, by a single interconnecting piece, such as a plate, of rigid and invariable character, which bridges two corresponding  
 25 ends of the cases and lies in a plane extending lengthwise of and perpendicular to that 25

portion of the film which extends between the two cases, so that said portion of the film is left free on both sides.

The invention also comprises a film 5 package as hereinafter described and illustrated.

One example of a package according to the invention is illustrated by the accompanying drawing, in which:—

10 Figure 1 is a perspective view of the package and

Figure 2 is a longitudinal section of the same package.

The package comprises two cases 1 and 2 15 and an intermediate piece in the form of a single plate 3 rigidly interconnecting the two cases 1 and 2 so as to bridge them at one end thereof and lying flush with said bridged ends of said cases 1 and 2. In the example 20 illustrated, the plate 3 has the cup-like parts 1<sup>1</sup>, 2<sup>1</sup> of the cases integrally formed therewith. The two cases 1 and 2 lie at a distance from each other substantially corresponding to the length of a picture. 25 The case 1 contains the roll 5 of unexposed film, and the case 2 contains the roll 8 of exposed film. The film 7 is unperforated. The plate 3 lies in a plane lengthwise of, and perpendicular to the portion of the film 30 extending between the cases 1, 2 and to the axes of the film rolls. Thus, said portion of the film is entirely free on its two sides. The film roll 8 is wound on to a hub 4 35 rotatably mounted on a fixed hub 9 formed on the part 2<sup>1</sup> of the case 2. The fixed hub 9 is hollow and open at its ends to permit coupling means 6, which are provided on the hub 4 and project into the hub 9, to be engaged by a film feeding mechanism 40 mounted in the photographic camera for the purpose of rotating the hub 4.

The film is kept for sale in the package described. The package is inserted in the camera, the intermediate piece 3 being used 45 as a handle. The portion of the film extending between the two cases 1 and 2 lies in a slot behind the lens. After the entire film has been exposed, the package is removed from the camera and can be stored 50 until the film is to be developed. The package is so economical to construct that it can be thrown away after use and a new package containing an un-exposed film inserted in the camera.

As the two cases 1 and 2 are interconnected only by means of the intermediate piece 3, and as that portion of the film which extends between the two cases is 5 entirely free on its two sides, scratching of the film is avoided provided that in the photographic camera the film during feeding is moved without friction against parts of the camera, and is pressed automatically against the picture window only at the end 10 of each feeding movement.

Having now fully described and ascertained our said invention and the manner in which it is to be performed, we declare that what we claim is:— 15

1. A package intended for unperforated photographic roll film, for daylight loading of a camera, comprising two interconnected cases, one containing the unexposed film and the other containing a roller on to which 20 the exposed film is wound, wherein the two cases are spaced apart from each other at a fixed distance corresponding substantially to the length of a picture, by a single interconnecting piece, such as a plate, of rigid 25 and invariable character, which bridges two corresponding ends of the cases and lies in a plane extending lengthwise of and perpendicular to that portion of the film which extends between the two cases, so that said 30 portion of the film is left entirely free on both sides.

2. A daylight loading film package according to Claim 1, wherein the interconnecting piece has terminating cup-like portions integrally formed therewith to serve as 35 parts of the casings, one of said cup-like parts having a central open hub to permit coupling means for a rotatable hub in said case to be engaged by film feeding 40 mechanism.

3. A daylight loading package intended for a non-perforated roll film, constructed substantially as hereinbefore described with 45 reference to the accompanying drawing.

Dated this 12th day of September, A.D. 1938.

CECIL W. LE PLASTRIER,  
Phillips, Ormonde, Le Plastrier & Kelson,  
Patent Attorneys for Applicant. 50

Witness—L. Spinks.

FIG. 1.

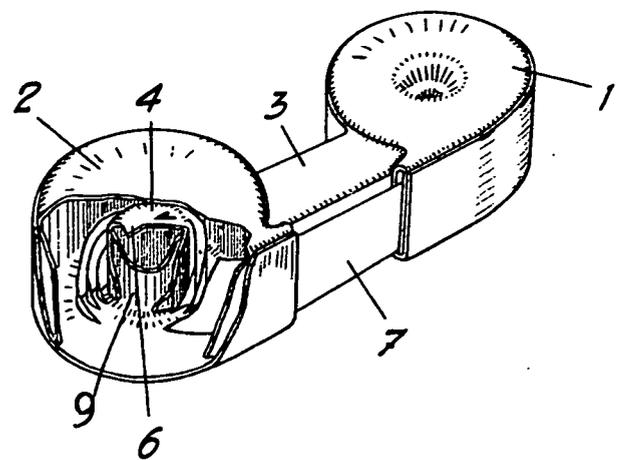


FIG. 2.

