PATENT SPECIFICATION

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COMPLETE SPECIFICATION

Improvements in and relating to Photographic Roll-film Cameras

I, KARL GUMPEL, a citizen of the German Republic, of 8, Olivaerplatz, Berlin, W.15, Germany, and FRITZ KAFTANSKI, a citizen of the German Republic, of 173/4, Kurfurstendamm, Berlin, W.15, Germany, 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:—

This invention relates to a photographic roll-film camera, which is particularly simple and cheap to produce.

The roll-film camera according to the present invention comprises in substance three main parts, viz., a body portion carrying externally and on a projecting part the shutter mechanism, a cover portion adapted to co-operate with the body portion to house the film, and a projecting lens-carrying portion taking over the shutter mechanism in the form of a cover to enclose the same, the body portion and the cover portion being in the shape of two shallow parts which enclose the film spools between them and being provided with relatively staggered lugs for the purpose of facilitating the separation of these two parts.

The invention is illustrated by way of example in the accompanying drawings, in which

Figure 1 is a side elevational view of the camera in section.

Figure 2 is an end elevational view of the rear part of the camera, and

Figure 3 is a plan view of one end of the camera casing according to this invention showing the disposition of the staggered lugs.

Referring now to the drawings, 1 is the camera casing which is provided with suitable bearings to receive and hold in a rotatable manner the spools 6 and 7 carrying the film. The casing comprises two shallow parts, as indicated by the horizontal line extending over the entire length of the casing, one of these parts being provided with a flange or shoulder 1*a* which takes friction-tight into the other part so that the two parts are thereby held together enclosing between them the film spools after the manner usual in amateur roll-film cameras and a light-tight joint is provided between the same. Each of the two parts of the casing is provided with a lug, these lugs 10 and 11 being staggered with respect to one another so that the two parts of the casing may be readily separated for the replacement or removal of the spools by pressing against one lug with the thumb and the other lug with the finger and exerting a slight twisting force.

The front projecting portion 2 of the casing carries the mounting for the lens 3. 4*a* is a cylindrical ring, which is cast into the casing and supports the diaphragm 4*b*, which is held by a circular wire spring (not shown). The casing itself is made of metal or any other suitable material, such as a mouldable material.

The shutter mechanism employed is preferably that forming the subject-matter of our Patent Application No. 27072/35 (Serial No. 448,169) divided herefrom.

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 what we claim is:—

1. A photographic roll-film camera characterised in that the same comprises in substance three main parts, viz., a body portion carrying externally and on a projecting part the shutter mechanism, a cover portion adapted to co-operate with the body portion to house the film and a projecting lens-carrying portion taking over the shutter mechanism in the form of a cover to enclose the same, the body portion and the cover portion being in the shape of two shallow parts which enclose the film spools between them and being provided with relatively staggered lugs for the purpose of facilitating the separation of these two parts, substantially as described.

2. A photographic camera according to Claim 1, characterised in that the lens diaphragm is maintained at the correct distance from the lens by means of a ring which is let into the projecting lens-