

PATENT SPECIFICATION

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COMPLETE SPECIFICATION

Improvements in or relating to Photographic Cameras

I, FREDERIC KAFTANSKI, of 19 avenue de Friedland, Paris, Seine, France, of German nationality, do hereby declare the invention, for which I pray that a patent may be granted to me, and the method by which it is to be performed, to be particularly described in and by the following statement:—

The present invention provides a photographic roll-film camera including a sliding plate shutter of the setting type and characterised in that it comprises a sliding member extending from the camera body for manual operation between two extreme positions and carrying film feed claws, an exposure counter operator, a shutter drive spring and means for bringing back the shutter after exposure into a position in which the shutter is latched by shutter release means, said sliding member, when displaced towards its first extreme position, directly tensioning the shutter drive spring and operating the exposure counter, while, when moved towards its second extreme position, directly effecting the film feeding operation and the bringing back of the shutter, means being provided for retaining the sliding member in its first extreme position.

Such a camera may be very small in size and elongated, adapted for example to 1", 16 m.m., 9.5 m.m., or 8 m.m. films, and may be easily carried in a pocket and be used, if wanted, as a holder for a fountain pen or a ball-pencil.

In a particularly convenient embodiment of the invention, the sliding member is in the form of an elongated plate adapted to be moved lengthwise and serving, in addition to its main functions of film feeding and shutter control, to prevent inadvertent exposure of the film by acting as a safety shutter covering the lens aperture when the shutter is not set.

According to an important feature, the sliding member feeds the film through one or more spring controlled pawl members pivoted on said sliding member and engaging

series of longitudinally spaced perforations provided along the margin of the film, in the manner of a pawl-and-rack mechanism.

The sliding member may actuate an exposure counter disc by means of a spring pawl member and ratchet teeth on said disc.

The invention also provides a simple and cheap binocular camera device by mounting a pair of small size cameras of the type described above on a common support adapted to hold the two cameras in the relative position suitable for making stereoscopic pairs of photographs, said support being provided with means for simultaneously actuating the two shutters.

Other features and advantages of the invention will appear in the following description of an embodiment thereof, with reference to the accompanying drawings, in which:

Fig. 1 is a front view of a photographic camera according to the invention,

Fig. 2 is a section of the same camera, in its plane of symmetry,

Fig. 3 is an exploded perspective view particularly showing the sliding plate and members operated thereby,

Fig. 4 is a detailed view showing, in perspective, the film feeding pawls on the rear face of the sliding plate,

Fig. 5 is another detailed view showing the shutter and its trigger,

Fig. 6 is a rear view of the picture counting wheel,

Fig. 7 is a perspective view showing the front of a binocular device made of two cameras such as illustrated in Figs. 1 to 6 fixed on a mounting plate, and

Fig. 8 is a rear view of the mounting plate shown in Fig. 7, showing the means for simultaneous triggering.

The camera illustrated in the drawings by way of example is a very small pocket camera of elongated shape.

The casing consists substantially of a front piece 1 and a back piece 2 of moulded plastic

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