

N° 23,656



A.D. 1903

Date of Application, 31st Oct., 1903

Complete Specification Left, 2nd Aug., 1904—Accepted, 8th Sept., 1904

PROVISIONAL SPECIFICATION.

“Improvements in and relating to Plate Cameras.”

We, WILLIAM FREDERIC BUTCHER and FRANK ERNEST BUTCHER, both of Camera House, St Bride Street, London E.C., Manufacturers, do hereby declare the nature of this invention to be as follows:—

Our invention relates to improvements in plate hand cameras.

5 In plate hand cameras as now constructed it is usual to provide a spring on the hinged back adapted to hold the plates in position in the camera when said back is closed. This arrangement has been found inconvenient as it is impossible to remove one or two of the plates from the camera after exposure for developing without removing the spring and so running the risk of upsetting the unexposed
10 plates in position.

According to our invention means are provided whereby the unexposed plates are held securely in position when the hinged back is opened to remove the plates that have been exposed.

15 To carry out our invention we provide a hinged door formed of aluminium or any other suitable material provided with a spring of the construction hitherto attached to the hinged back for holding the plates in position in the camera before exposure. The aforesaid door is preferably hinged to the outer ends of the plate guides inside the camera and is provided with an automatic spring latch at its upper end adapted to engage with a suitable slot or catch in the
20 top of the camera.

It will be readily understood that when said door is in position it is possible to open the back of the camera and remove those plates which have been exposed from the bottom of the camera without in any way disturbing the plates in position.

25 Dated the 31st day of October, 1903.

W. P. THOMPSON & Co.,
322, High Holborn, London, W.C.
Patent Agents for the Applicant.

COMPLETE SPECIFICATION.

30 “Improvements in and relating to Plate Cameras”.

We, WILLIAM FREDERIC BUTCHER and FRANK ERNEST BUTCHER, both of Camera House, St Bride Street, London, E.C., Manufacturers, 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:—

35 Our invention relates to improvements in plate hand cameras.

[Price 8d.]



Improvements in and relating to Plate Cameras.

In plate hand cameras as now constructed it is usual to provide a spring on a hinged back adapted to hold the plates in position in the camera when said back is closed. This arrangement has been found inconvenient as it is impossible to remove one or two of the plates from the camera after exposure for developing without removing the spring and so running the risk of upsetting the unexposed plates in position. 5

According to our invention means are provided whereby the unexposed plates are held securely in position when the hinged back is opened to remove the plates that have been exposed.

Our invention comprises an additional door hinged inside the camera and provided with a spring for holding the plates in position before exposure, said door being provided with a spring latch at its upper end engaging in the top of the camera. 10

Our invention is more particularly described with reference to the accompanying drawings in which 15

Figure 1 shows an end view of a camera provided with an additional door of our invention, and

Figure 2 shows a section on the line A—B of Figure 1.

Referring now to the drawings we provide a hinged door 1 formed of aluminium or any suitable material and provided with a circular recess 2 on its inner side adapted to receive a spiral spring 3, of the construction hitherto attached to the hinged back of a hand camera, for holding the plates 4 in position before exposure. The said hinged door is hinged to the outer ends 5 of the plate guides or by pins running into the sides of the camera, and is provided at its upper end with an automatic spring latch 6 engaging with a slot 7 in the top of the camera. 20 25

From the above description and drawings it will be readily understood that when the door 1 is in position it is possible to open the back 9 of the camera and remove those plates which have been exposed from the space 8 at the bottom of the camera without in any way disturbing the plates 4 in position. 30

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. In a plate hand camera an additional door hinged and latched inside the camera and supporting in a recess on its inner side a spring adapted to hold the plates in position before exposure, substantially as and for the purpose described. 35

2. In a plate hand camera an additional door constructed and arranged substantially as described and shown in the accompanying drawings.

Dated this 2nd day of August 1904. 40

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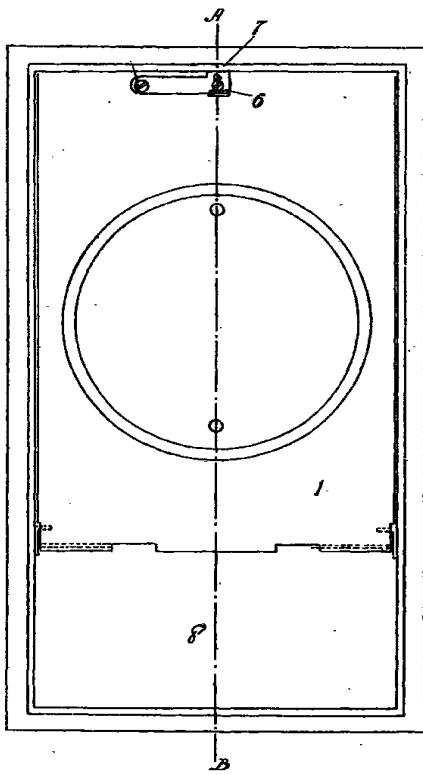


Fig. 1.

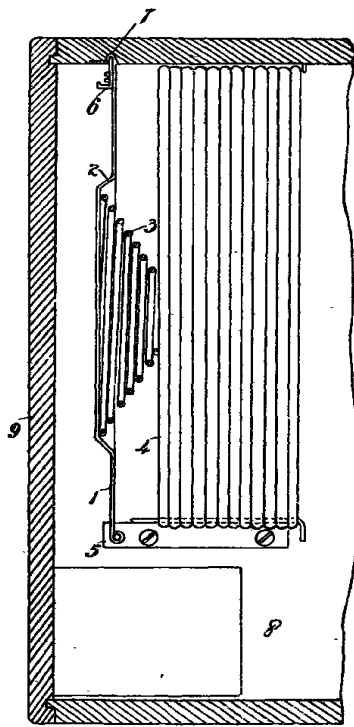


Fig. 2.

[This Drawing is a full-size reproduction of the Original.]



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BUTCHER & another's COMPLETE SPECIFICATION.

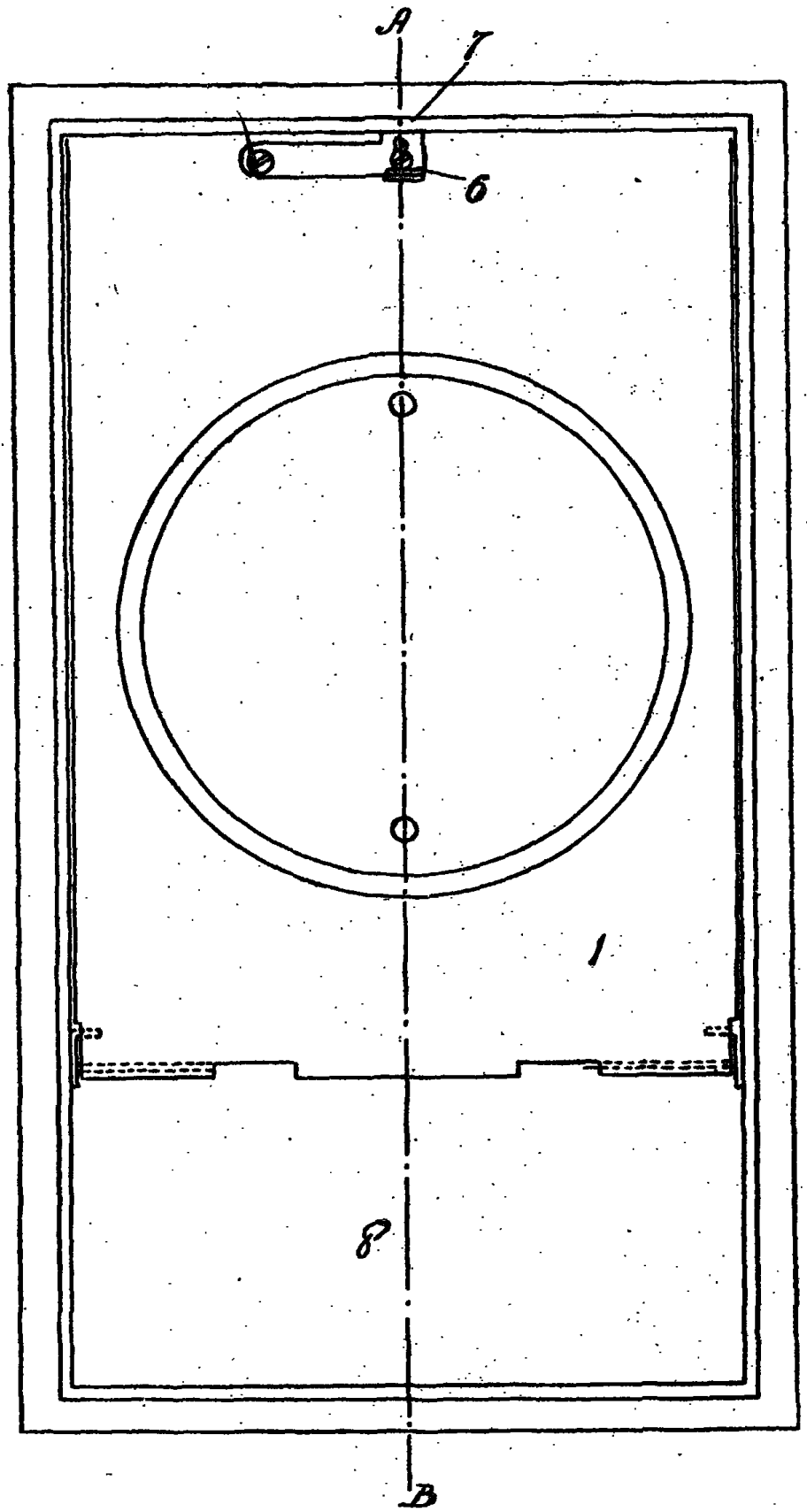
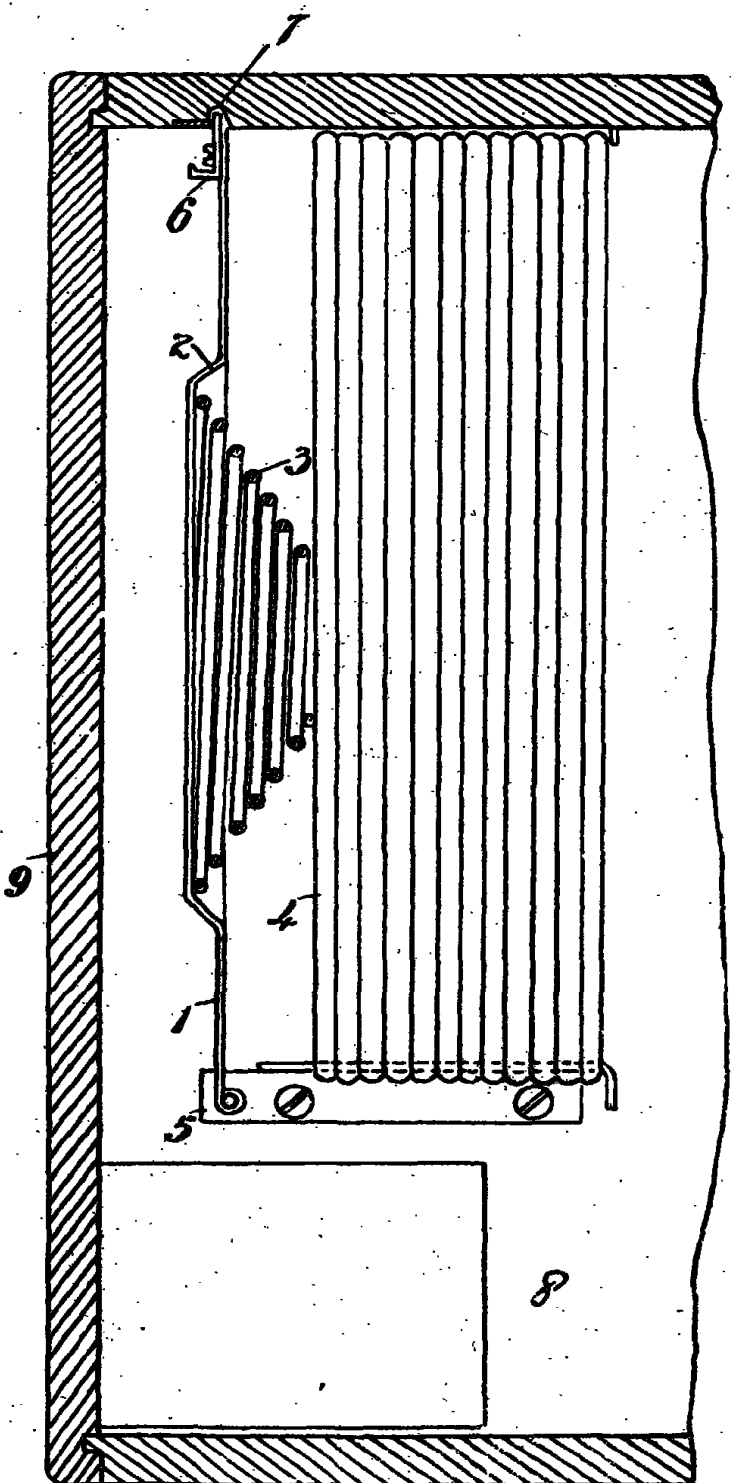


Fig. 1.



[This Drawing is a full size reproduction of the Original.]

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Fig. 2.