

P. BAUER & R. VILIM.  
 PHOTOGRAPHER'S FLASH LAMP.  
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908,196.

Patented Dec. 29, 1908.

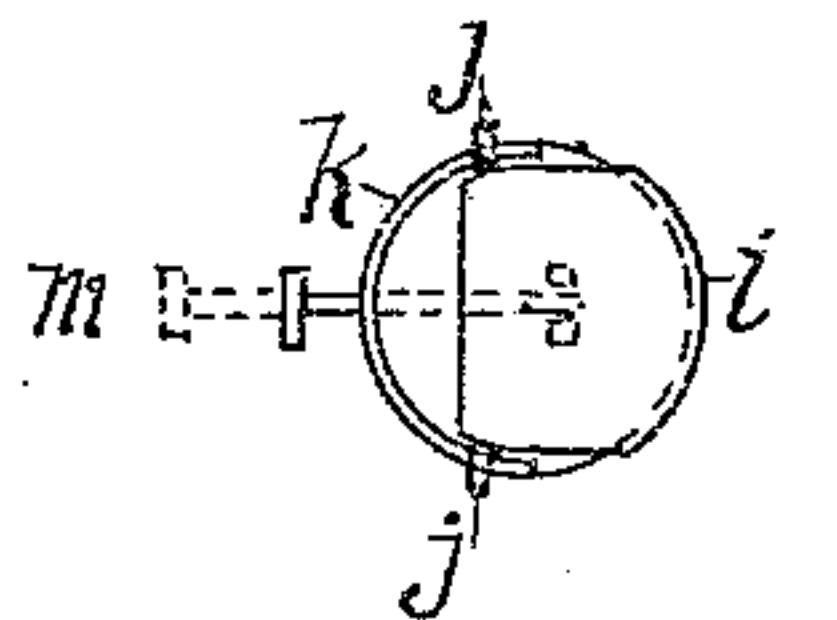


Fig 2.

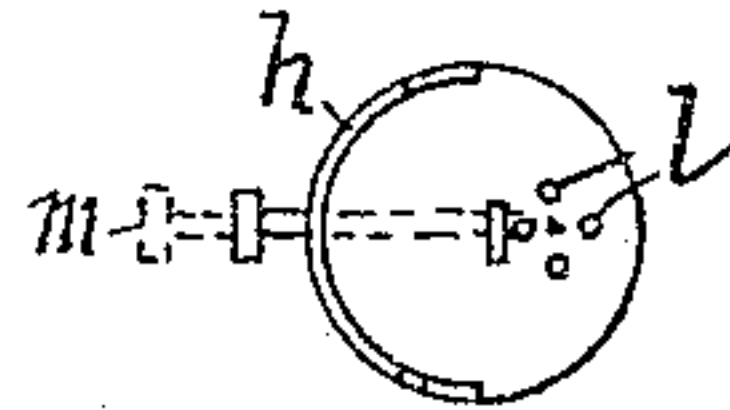
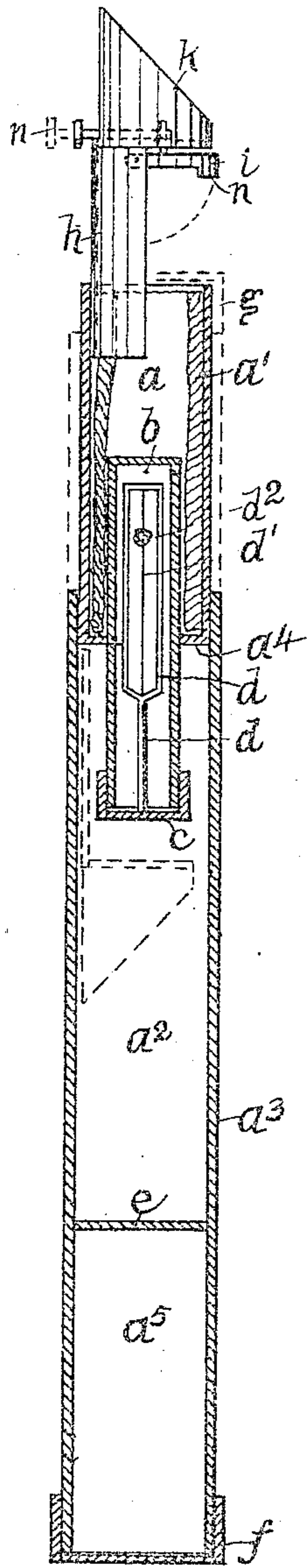


Fig 3.

Fig 1.



Witnesses.  
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# UNITED STATES PATENT OFFICE.

PAUL BAUER AND RICHARD VILIM, OF CHICAGO, ILLINOIS.

PHOTOGRAPHER'S FLASH-LAMP.

No. 908,196.

Specification of Letters Patent.

Patented Dec. 29, 1908.

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To all whom it may concern:

Be it known that we, PAUL BAUER and RICHARD VILIM, citizens of the United States; residing in Chicago, Cook county, Illinois, have invented certain new and useful Improvements in Photographers' Flash-Lamps, of which the following is a full and correct specification, reference being had to the hereto accompanying sheet of drawings, forming a part hereof, and in which—

Figure 1 shows our said new device in central longitudinal section, with the exception of its top part which is in side view in full projection. Fig. 2 is an end view of said top part as seen on its under side. Fig. 3 shows Fig. 2 with its shield *i* removed.

Like reference letters denote like parts throughout.

The object of our invention is to provide a compact and conveniently portable flash-lamp for photographers' use.

To attain said desirable end we construct our said new device in substantially the following manner, namely:—We make a cylindrical alcohol lamp *a* provided with a tubular wick *a'*, and into the bottom of said lamp we secure an axially coincident igniter-holder *b* which is also tubular, of smaller diameter, and provided with a removable cap *c* to which is attached, interiorly, a wire frame *d* on which is carried a platinum wire *d'* carrying a small lump of spongy platinum *d''*. A tubular bi-chambered holder *a''* telescopes over said lamp *a* to the flange of the lamp-cover *g*, as indicated by the broken lines on each side of *a* between *g* and *a''*, and a partition *e* forms one chamber *a''* in which are held the connected parts *h*, *i*, *k*, as indicated by the broken outlines of them in said chamber, and between the partition *e* and cap *f* is formed the powder-chamber *a'''* for holding the flash-powder used by photographers. A peg *m* through *h*

position and thereby shields the holes *l* in the bottom of the chamber *k* from the flame of the lamp. When the peg *m* is removed the weighted edge *n* of the shield *i* turns the shield as indicated, and then the flame ignites the powder in the chamber *k*. The lamp is lighted by means of a bit of spongy platinum *d''* held on a platinum wire *d'* held on the wire frame *d* secured to the cover of the tubular chamber *b*. All the said tubular or cylindrical parts of our device are axially co-incident, and by means of said telescoping of some of them, the device may be lengthened so as to form a safe handle and then compacted for transportation.

To operate our device the flash-chamber *k* is taken from its chamber *a''* and its holder inserted within the open end of the lamp *a*, from which the cover *g* has been removed, of which a fragment in place is shown in Fig. 1, the chamber *k* is charged with powder from the chamber *a'''* and the shield *i* held normal by the peg *m*, after which the cap *c* is removed and the parts *a* *a''* re-united, and then the platinum on the cap *c* is held over the open end of the lamp *a* whereby the alcohol is flamed, after which, when all is ready, the peg *m* is removed, the shield *i* tilted, and thereby, the powder in the holder *k* ignited through the holes *l*.

What we claim is:—

The combination with a tubular lamp provided with a tubular wick and an axially coincident igniter holder, of an ignition-chamber and a semi-tubular holder therefor and a pivoted or swinging shield on said holder, and means to lock and release said shield.

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Witnesses:

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