

No. 638,889.

Patented Dec. 12, 1899.

F. SHAEFER.
FLASH LIGHT PAN.

(Application filed June 1, 1899.)

(No Model.)

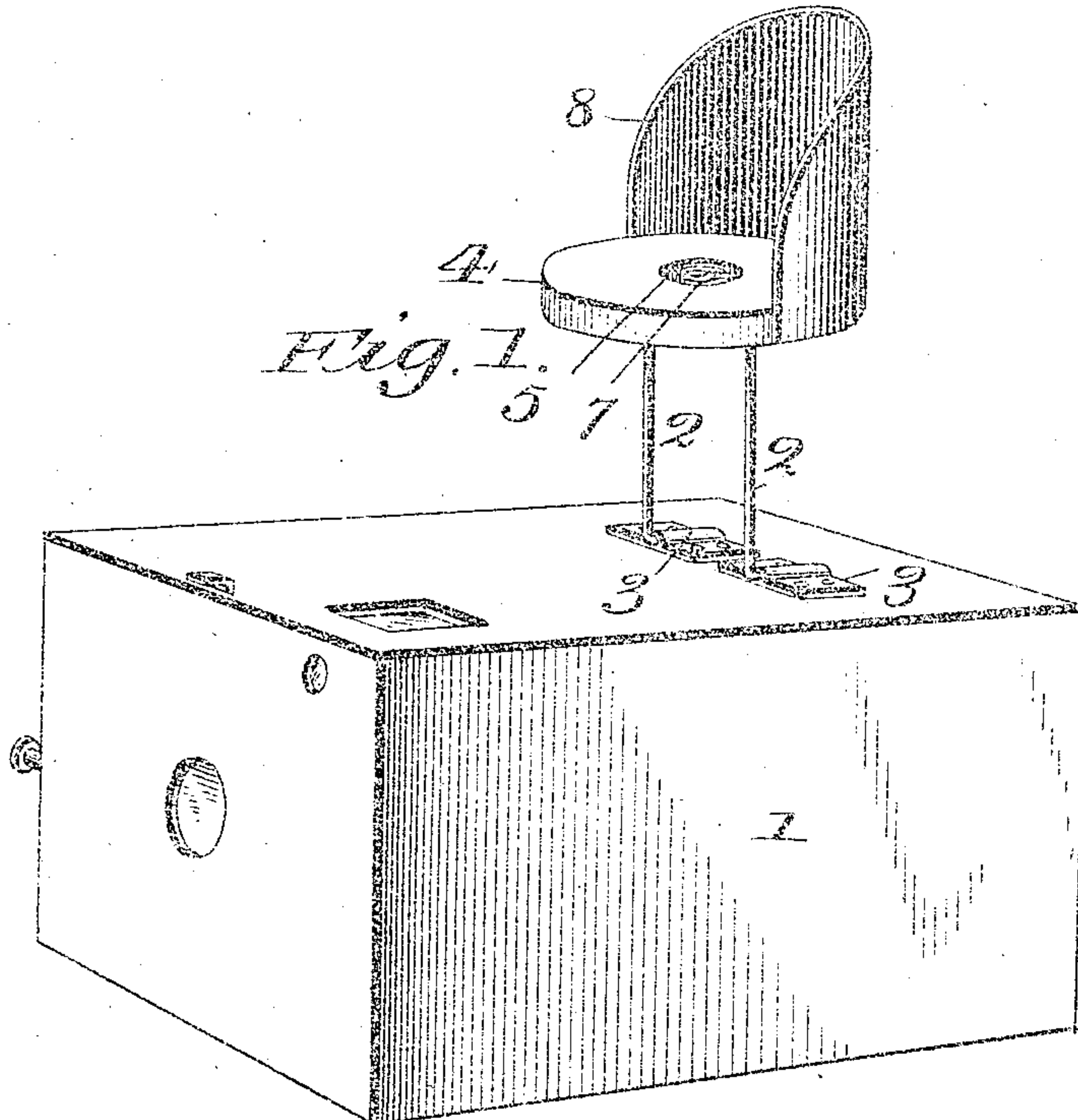


Fig. 1.

Fig. 2.

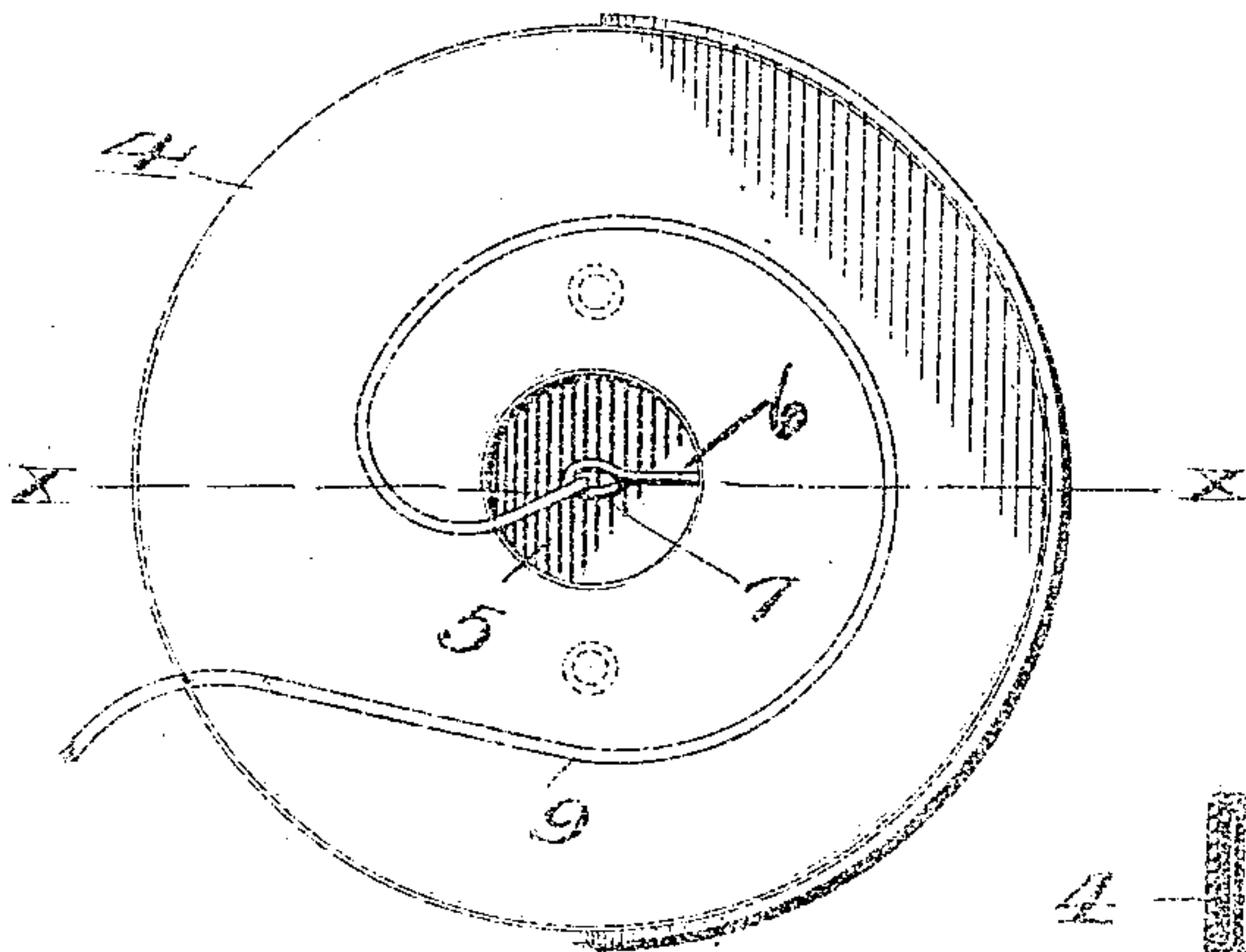
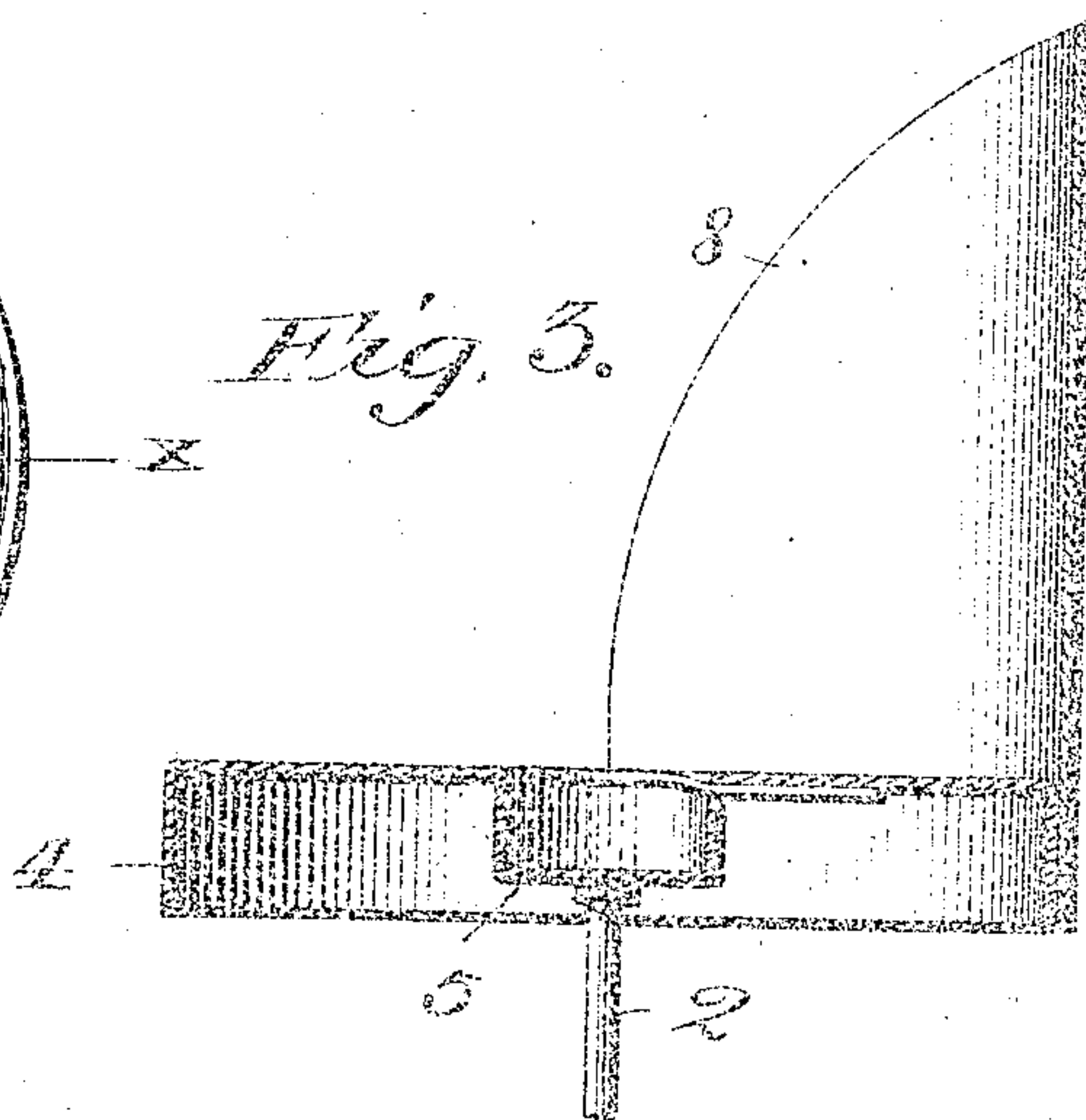


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

FRED SHAEFER, OF ATLANTA, GEORGIA.

FLASH-LIGHT PAN.

SPECIFICATION forming part of Letters Patent No. 638,889, dated December 12, 1899.

Application filed June 1, 1899. Serial No. 719,028. (No model.)

To all whom it may concern:

Be it known that I, FRED SHAEFER, a citizen of the United States, residing at Atlanta, in the county of Fulton and State of Georgia, have invented certain new and useful Improvements in Flash-Light Pans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has relation to flash-light pans; and it consists in the novel construction and arrangement of its parts, as hereinafter described.

The object of my invention is to provide a pan adapted to be attached to and detached from cameras for the purpose of taking flash-light pictures.

In the accompanying drawings, Figure 1 is a perspective view of a camera with the pan attached thereto. Fig. 2 is a top elevation of the pan, showing the fuse; and Fig. 3 is a sectional view of the pan cut on the line *x-x* of Fig. 2.

1 is a camera of ordinary construction.

2 2 are the uprights which support the pan. Said uprights 2 2 fit at their upper ends in sleeves secured to the bottom of the pan, and they are provided at their lower ends with horizontal portions, which fit in eyes 3 3, secured to the camera, said eyes 3 3 having longitudinally-raised portions to receive and hold the horizontal portion of the uprights.

4 is a circular disk or body of the device, said disk having a cylindrical depression 5 in its center to hold the powder.

6 is a wire extending out over the depression 5, with a loop 7 in the end, said loop 7 being adapted to hold the end of the fuse.

8 is a semicircular reflector of any suitable material, said reflector extending half-way around the disk 4 at its bottom and being rounded off at the top.

9 is the fuse of ordinary type.

In operation the group to be taken is arranged, leaving a place for the operator, who focuses the camera. He then lights the fuse and can then take his position in the group before the powder flashes and the picture is taken. The pan may be either located on the long portions of the supports or the short ones. Thus the flash-light may be close to the camera or elevated, as conditions may require.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. In combination with a camera, a flash-light pan, consisting of a disk having a powder-receptacle, a reflector attached to the disk, supports adapted to be detachably connected to the pan and the camera, said supports consisting of two angularly-extending portions, said portions being of different lengths.

2. In combination with a camera, a flash-light pan, consisting of a disk having a powder-receptacle, sleeves secured to the under side of the pan, a reflector attached to the disk, eyes secured to the camera, angular supports adapted to enter at their lower ends the said eyes and at their upper ends the said sleeves.

In testimony whereof I affix my signature in presence of two witnesses.

FRED SHAEFER.

Witnesses:

HOWELL COBB CLOUD,
WILLIAM SIDNEY HOLLAND.