

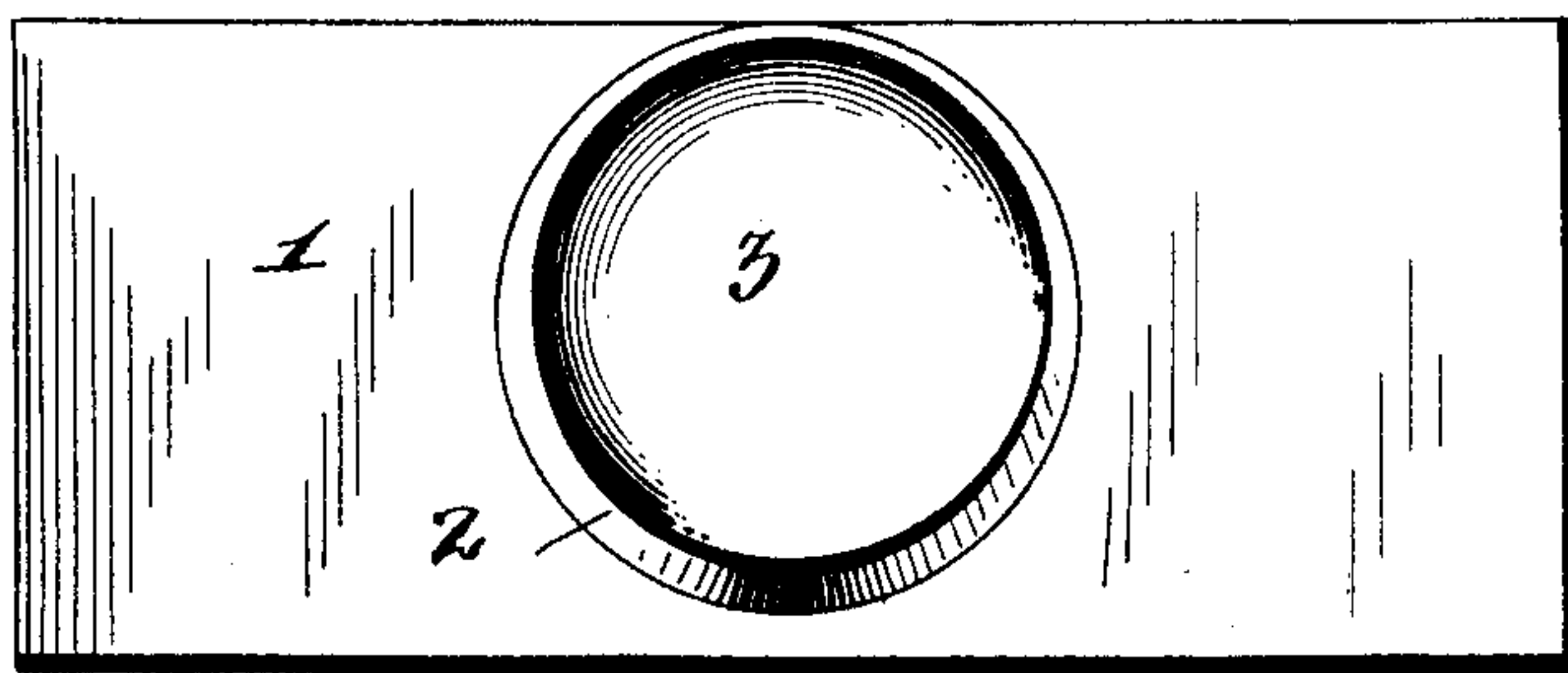
No. 741,497.

PATENTED OCT. 13, 1903.

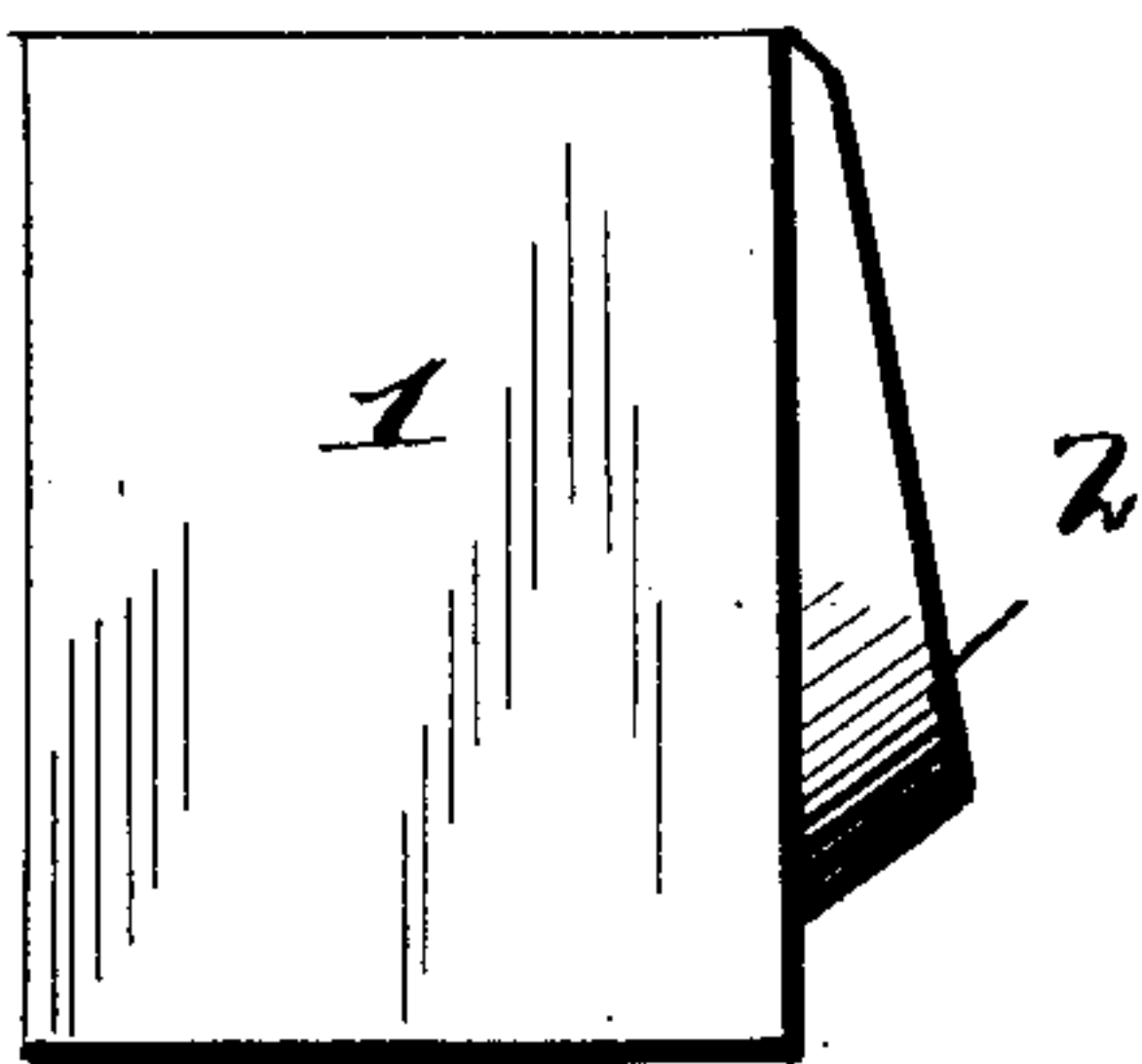
J. W. IVERY.  
REFLECTOR BRICK.  
APPLICATION FILED AUG. 31, 1903.

NO MODEL.

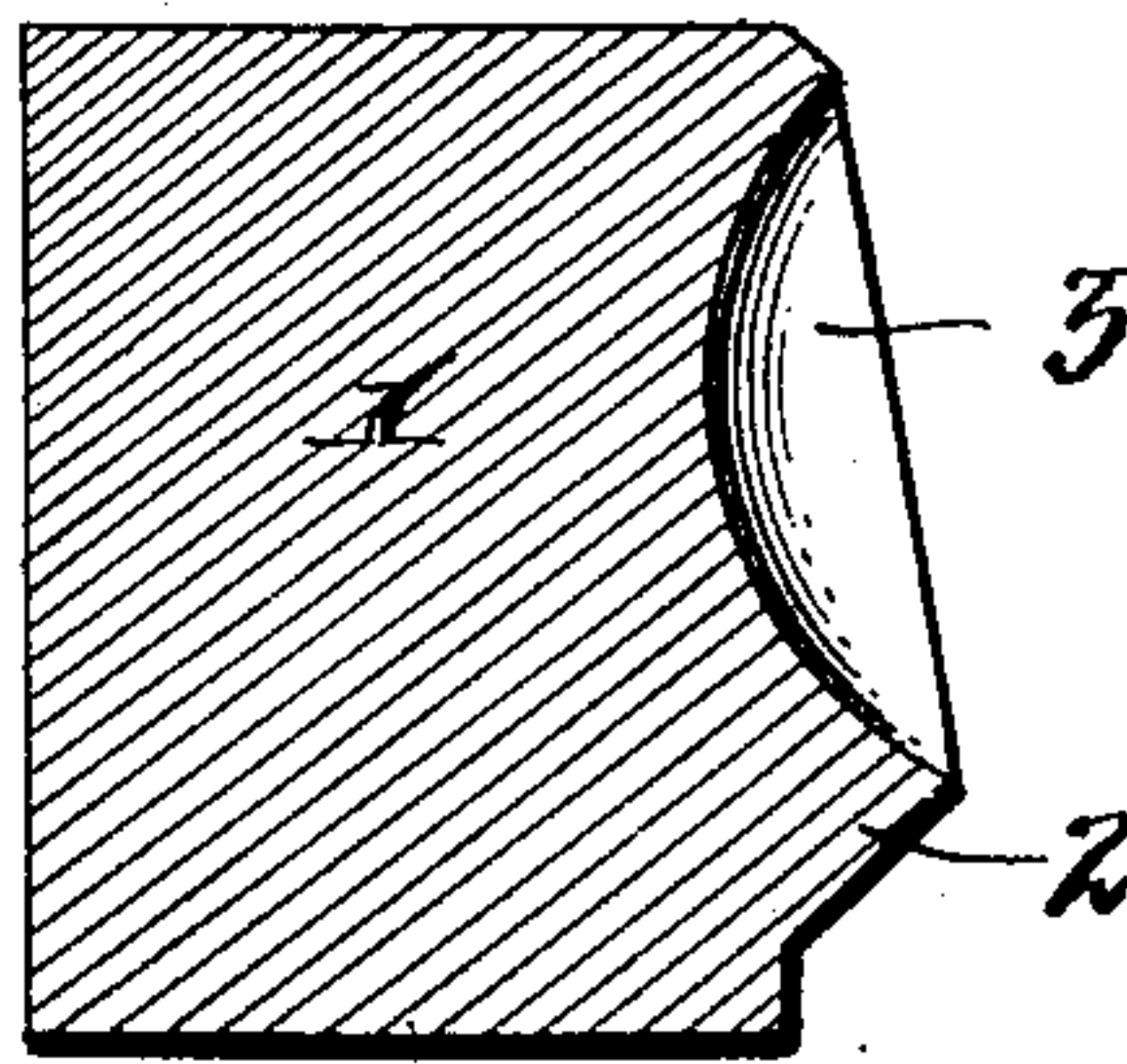
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



Witnesses

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## UNITED STATES PATENT OFFICE.

JOHN WILLIAM IVERY, OF DILLSBURY, PENNSYLVANIA, ASSIGNOR TO  
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## REFLECTOR-BRICK.

SPECIFICATION forming part of Letters Patent No. 741,497, dated October 13, 1903.

Application filed August 31, 1903. Serial No. 171,405. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN WILLIAM IVERY, a citizen of the United States, residing at Dillsbury, in the county of York and State of Pennsylvania, have invented certain new and useful Improvements in Reflector-Bricks; and I do 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.

This invention relates to improvements in bricks having light-reflecting surfaces.

The object of the invention is to provide a brick of this character by which light may be reflected at various angles, thereby enabling rays of light to be directed down a shaft or in other places where it is desired to reflect light-rays.

With this object in view the invention consists in the construction of a brick or block having formed on one of its faces one or more reflectors so arranged as to direct the light-rays at such an angle as may be desired.

In the accompanying drawings, Figure 1 is a side elevation of a brick embodying the invention. Fig. 2 is an elevation of the same, and Fig. 3 is a cross-section view of the same.

Referring more particularly to the drawings, 1 denotes a brick which may be of any desired size or shape, but which is here shown in the form of an oblong block. On one side of the block 1 midway between the ends of the same is formed a projection or offset 2, which is preferably though not necessarily circular in form and has its outer face formed at an angle with respect to the face or side of the block from which it projects. The oblique face of the projection 2 is concaved, as shown at 3, and said concaved surface is glazed, enameled, or finished with a highly-polished coat of some high-reflecting substance, or, if desired, a glass lens in the form of a concaved reflector may be fixed in the face of said projection.

Bricks constructed as herein described and used in the formation of the walls of light-

shafts and similar places will reflect the light-rays from above down into the shaft or well.

The use of bricks or blocks of this character is not alone confined to the construction of light shafts or wells, but may be used in any wall from which it is desired to reflect the light, and by different arrangements of the bricks the light may be reflected in any direction desired.

While the brick herein shown and described has but one reflecting-surface, it is obvious that two or more reflectors may be formed on the face of the brick, if desired.

From the foregoing description, taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

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

1. A brick or block having formed on one of its faces a projection having a concaved outer face arranged at an angle to the face of the brick or block, said concaved face having a reflecting-surface, substantially as described.

2. The combination with a brick or block, of a circular projection formed on one face thereof, said circular projection having an obliquely-arranged concaved face and a reflecting-surface formed on or fixed in said concaved face, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN WILLIAM IVERY.

Witnesses:

W. D. MENEAR,  
M. J. BAILEY.