

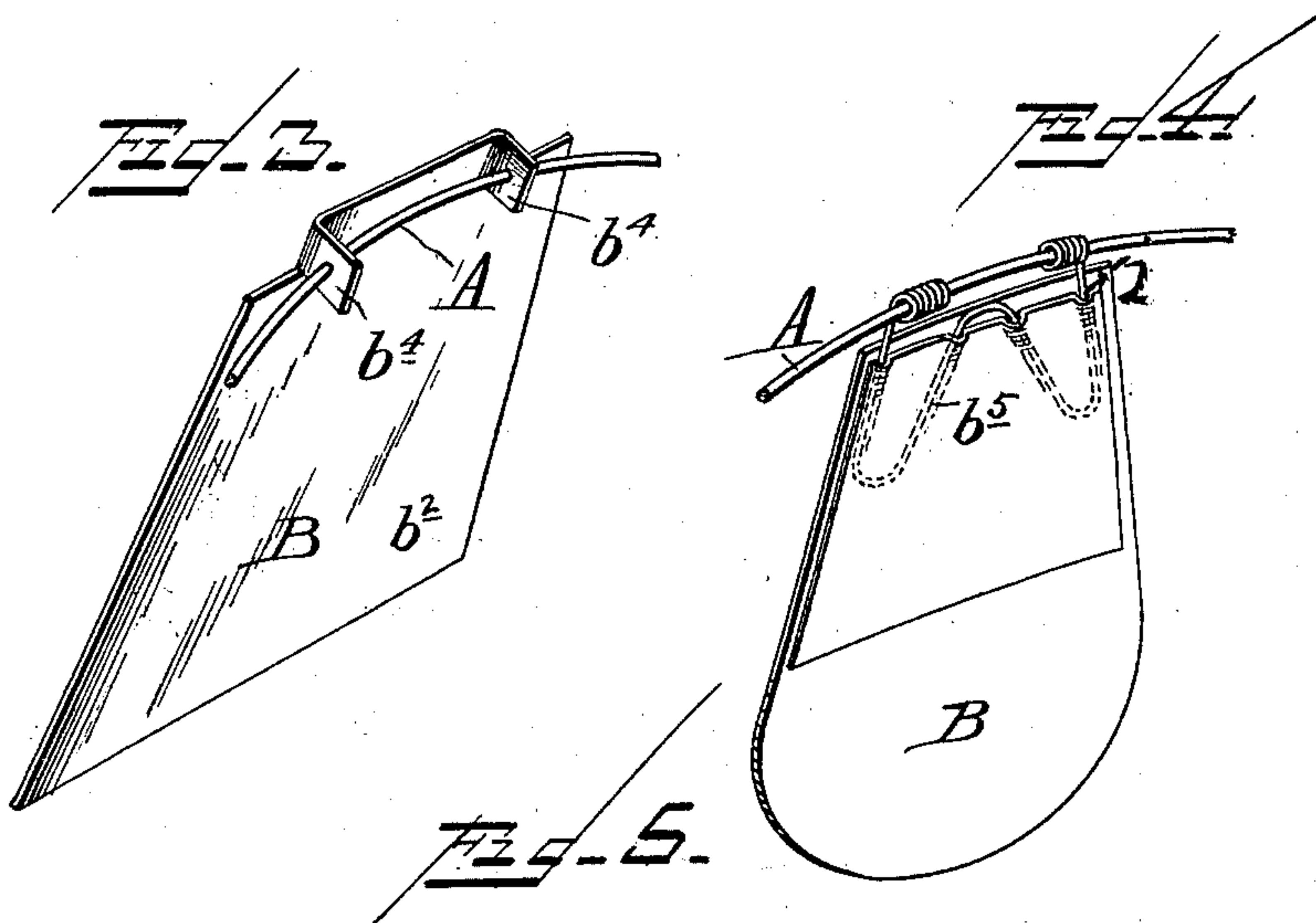
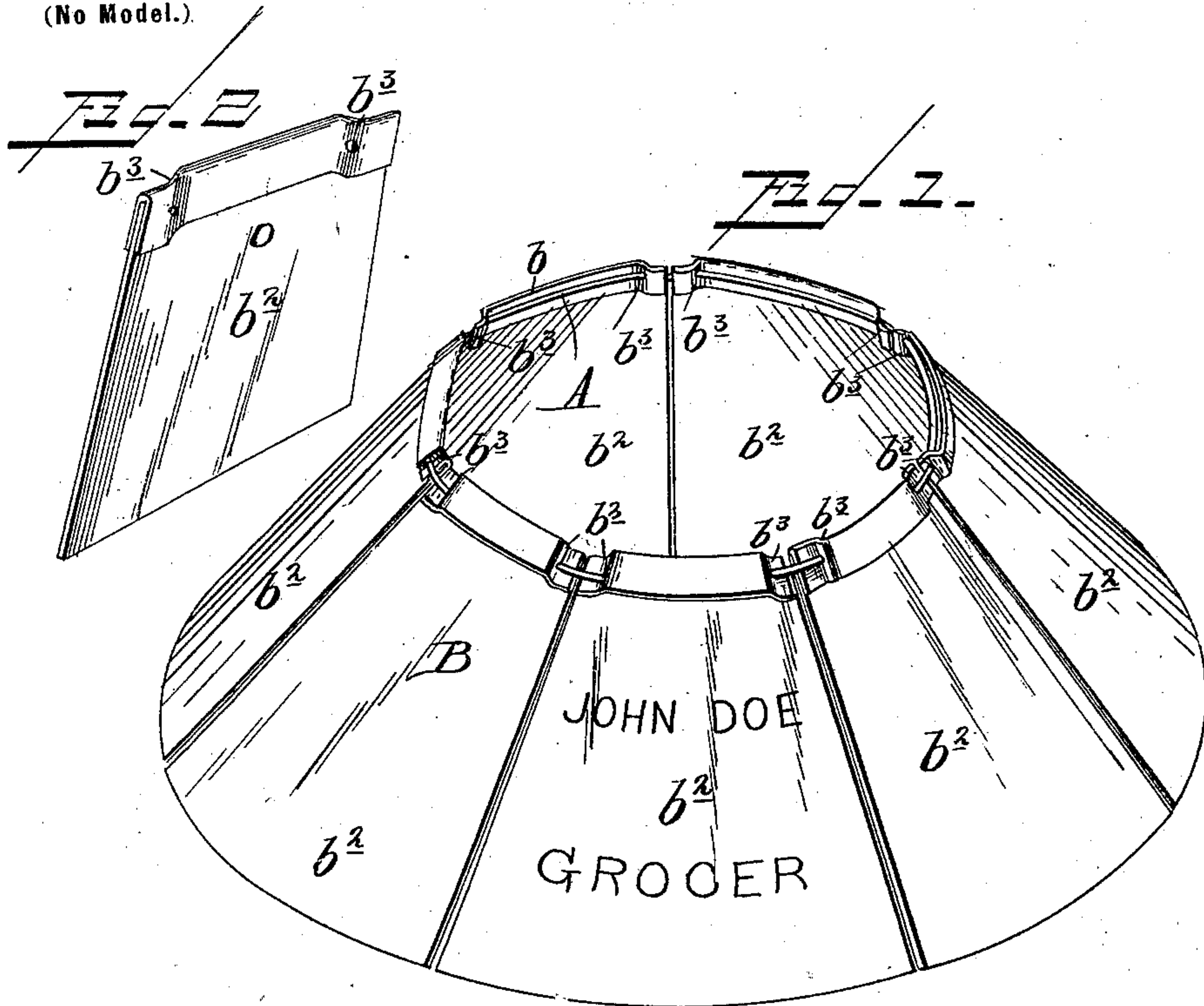
No. 671,814.

Patented Apr. 9, 1901.

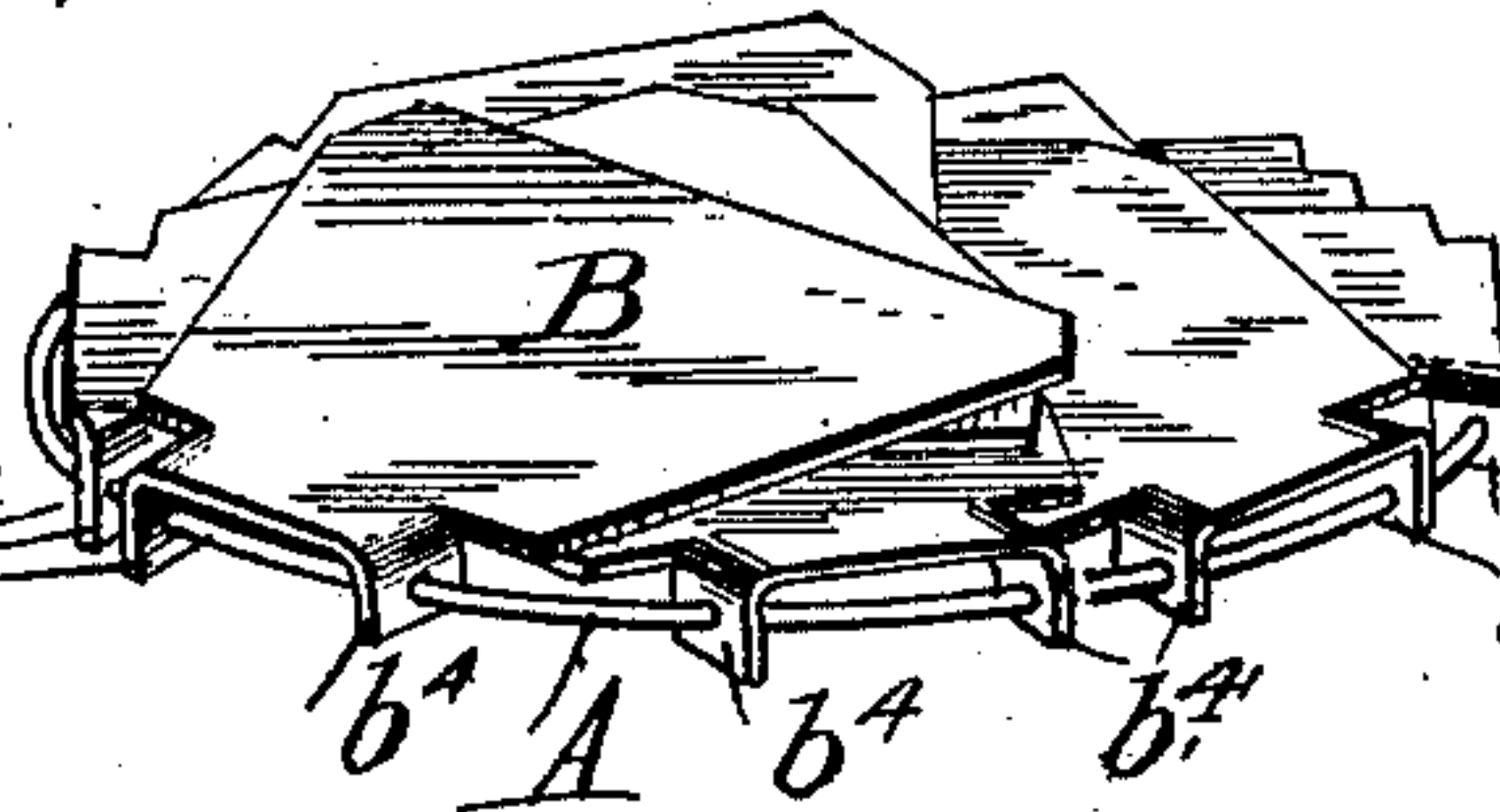
H. A. CATLIN.  
LAMP SHADE.

(Application filed Sept. 11, 1899.)

(No Model.)



WITNESSES:  
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# UNITED STATES PATENT OFFICE.

HENRY A. CATLIN, OF RICHMOND, VIRGINIA.

## LAMP-SHADE.

SPECIFICATION forming part of Letters Patent No. 671,814, dated April 9, 1901.

Application filed September 11, 1899. Serial No. 730,144. (No model.)

*To all whom it may concern:*

Be it known that I, HENRY A. CATLIN, a citizen of the United States, residing at Richmond, in the county of Henrico and State of Virginia, have invented certain new and useful Improvements in Lamp-Shades; 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.

The object is to present a simply-constructed, highly efficient, and durable lamp-shade which in use shall subserve the dual purpose of a shade and advertising medium.

With this object in view the invention consists in the novel construction and combination of parts of a lamp-shade, as will be hereinafter fully described and claimed.

In the accompanying drawings, forming a part of the specification, and in which like letters of reference indicate corresponding parts, I have illustrated several forms of embodiment of my invention, it being understood that other forms of embodiment thereof may be employed without departing from the spirit of the same, and in the drawings—

Figure 1 is a view in perspective, displaying a preferred form of lamp-shade and exhibiting the same as it appears when open for use. Fig. 2 is a detached detail view of one of the shade-wings shown in Fig. 1. Figs. 3 and 4 are detached detail views of other forms of shade-wings that may be employed in lieu of those shown in Figs. 1 and 2, and Fig. 5 is a perspective view exhibiting the lamp-shade when the wings are folded up for the purpose of shipment.

Briefly stated and in each of the figures shown, the device comprises a supporting-ring of a size to fit over a lamp-chimney and to be supported thereby and a plurality of wings having a hinged connection with the ring and adapted to be moved when in use to produce the best effect of the light shaded.

In the form of embodiment of my invention shown in Fig. 1, *et seq.*, A designates the supporting-ring, and B the wings. In the form shown in Figs. 1 and 2 the wings, which in each instance are preferably approximately trapezoidal in shape in order that when in the position shown in Fig. 1 they will form an effective shade, may be constructed with

a rim portion *b* of metal where they are connected with the ring and with a body portion *b*<sup>2</sup> of cardboard or the like, or they may be made wholly of sheet metal, or, if preferred, the body portion may be made of any suitable translucent substance. The wings are preferably made of flexible material from the standpoint of economy in manufacture and also to facilitate exhibition thereon of printed matter. The rim at each end is provided with a shoulder *b*<sup>3</sup>, formed by crimping or bending down the ends of the rim, and these shoulders are apertured for the passage of the ring A, which for the purpose is by preference a split ring, the ends of which after the wings are all strung thereon may be suitably secured together, as by a sleeve or by being soldered. The manner of connection between the wings and the rim is such that there will be sufficient frictional resistance between the two to hold the wings at any desired angle of adjustment. By providing each wing with a pair of hinge members, as shown, the wing is given greater stability in its connection with its supporting-ring, which constitutes the other hinge member, and, besides, any wobbling of the wing would be obviated. The outer side of the wings may be suitably ornamented and from a standpoint of additional utility may bear advertising matter, each wing being devoted to a different article of commerce that is to be exploited.

In the embodiment shown in Fig. 3 instead of providing the rim with the perforated shoulders *b*<sup>3</sup> two ears *b*<sup>4</sup>, one at each side of the end of the wing, may be employed for the same purpose.

In Fig. 4, instead of providing the perforated shoulders, as shown in Fig. 1, or the perforated ear, as shown in Fig. 3, I may string upon the ring a plurality of yokes *b*<sup>5</sup>, having their terminals formed into coiled springs to embrace the ring, and to these yokes the wings will be secured. In the latter form of device the wings may be wholly of paper or of pasteboard, thus reducing the cost of production. In addition to forming a means of connection between the supporting-ring and the wings the shoulders *b*<sup>3</sup>, the ears *b*<sup>4</sup>, and the coils of the springs *b*<sup>5</sup> form offsets for bearing against the lamp-chimney, so that by providing air-spaces between the shade at



this point and the lamp-chimney any danger of damaging the shade is obviated when the same is made of an inflammable substance. This additional function of the shoulders, ears, and coils obviates the necessity of employment of separate offsets or springs, such as are usually employed for the purpose.

In Fig. 5 I have exhibited the device as folded for shipment. In this figure the form of wing shown in Fig. 3 is employed; but it is to be understood that any of the other forms of wings shown may be substituted therefor.

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

1. A combined lamp-shade and advertising device, comprising a supporting-ring and a plurality of wings, each wing being provided with a pair of offsets or shoulders apertured to engage the ring, the offsets or shoulders, when the shade is in use, presenting air-spaces between the shade and the lamp-chimney, the said spaces serving to prevent damage to the

wings from the heat of the lamp-chimney, substantially as described.

2. A combined lamp-shade and advertising device, comprising a supporting-ring and a plurality of foldable wings, each wing comprising a body portion of flexible material, for the purpose specified, and a rim portion of metal crimped or clamped to one end of the wing, the rim portion being provided with offsets or shoulders apertured to engage the ring, the offsets or shoulders, when the shade is in use, presenting air-spaces between the shade and the lamp-chimney, the said spaces serving to prevent damage to the wings from the heat of the lamp-chimney, substantially as described.

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

HENRY A. CATLIN.

Witnesses:

W. B. HINES,

E. F. BURDETTE.