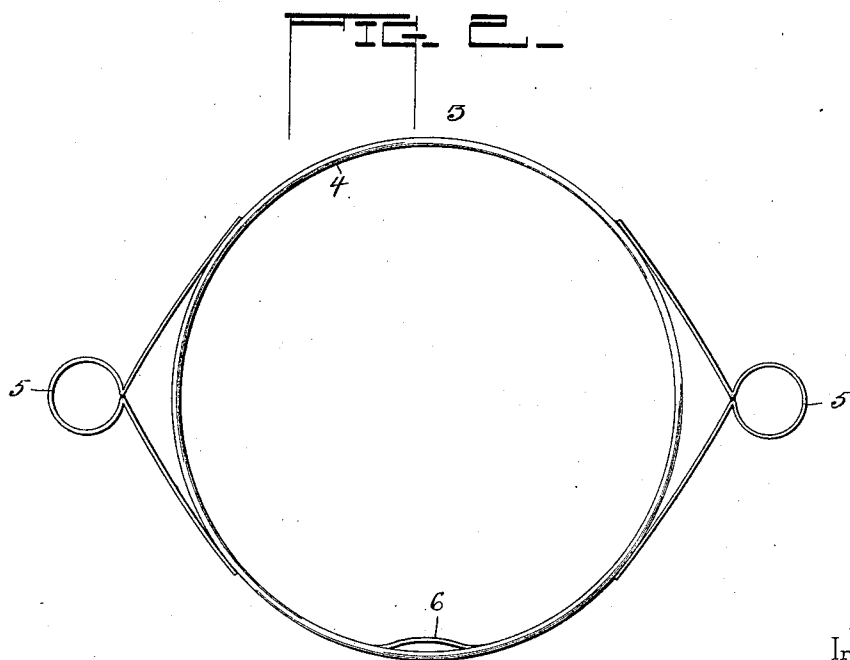
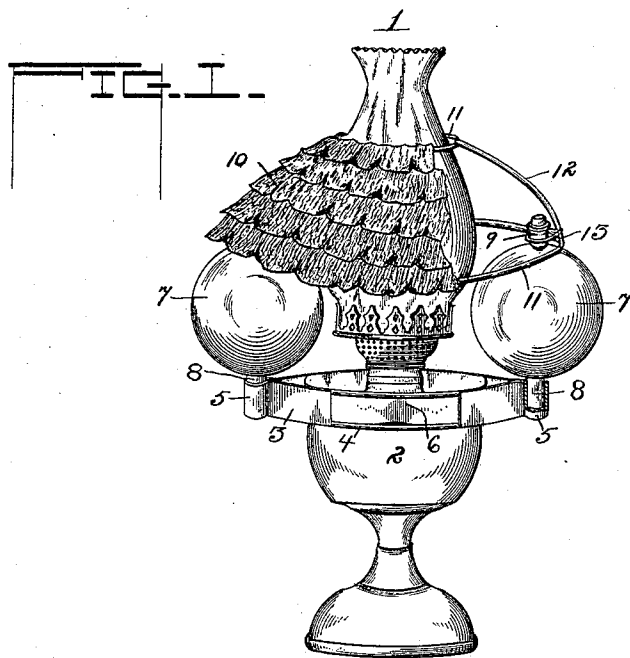


(No Model.)

M. W. BEATON.
LAMP ATTACHMENT.

No. 577,943.

Patented Mar. 2, 1897.



Inventor

Witnesses

Milton O'Connell, By her Attorneys,
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UNITED STATES PATENT OFFICE.

MARY W. BEATON, OF BELLOWS FALLS, VERMONT.

LAMP ATTACHMENT.

SPECIFICATION forming part of Letters Patent No. 577,943, dated March 2, 1897.

Application filed May 19, 1896. Serial No. 592,144. (No model.)

To all whom it may concern:

Be it known that I, MARY W. BEATON, a citizen of the United States, residing at Bel-
lows Falls, in the county of Windham and
5 State of Vermont, have invented a new and
useful Lamp Attachment, of which the fol-
lowing is a specification.

This invention relates to lamps; and the
object in view is to provide an attachment for
10 a lamp by means of which the rays of light
may be focused or condensed, thereby intensi-
fying the light and projecting its rays to a
greater distance than ordinarily. The attach-
ment referred to may be constructed either
15 as a part of the lamp or it may be made a
separable part thereof, so that it may be
readily attached and removed when desired.

To the above end the invention consists
in certain novel features and details of con-
20 struction and arrangement of parts, as here-
inafter fully described, illustrated in the
drawings, and finally pointed out in the claims
hereto appended.

In the accompanying drawings, Figure 1 is
25 a perspective view of a lamp with the im-
proved attachment shown applied thereto,
the lamp-shade being partly broken away to
show the manner of supporting its frame.
Fig. 2 is a plan view of the band of the at-
30 tachment.

Similar numerals of reference designate
corresponding parts in both figures of the
drawings.

Referring to the accompanying drawings, 1
35 designates a lamp of any ordinary construc-
tion having the usual fount or oil-reservoir 2,
of circular or cylindrical form. The attach-
ment contemplated in this invention consists
of an annular band 3, of any suitable mate-
40 rial, such as sheet metal, having its opposite
edges rolled or otherwise reinforced, as indi-
cated at 4. At diametrically opposite points
the band 3 has applied thereto tubular sock-
ets 5, the same being preferably formed of
45 metal straps, the central portion of each strap
being bent in the form of a circle to make
the socket 5, the terminals of the strap being
afterward extended divergently and united
in any convenient manner to the band 3, as
50 clearly shown in Fig. 2. The terminal por-
tions of the straps, which form the sockets 5,

are also extended tangentially to the band 3,
thereby locating said sockets at points remote
from the outer surface of the band. The band
is also provided upon one or both sides with
55 longitudinal slits adjacent to its beaded edges,
and the material included between said slits
is deflected inward, as shown at 6, thus form-
ing a yielding portion by which the band is
adapted to clasp the lamp-fount with the nec- 60
essary pressure to hold the same in place, the
said band being introduced over the upper
portion of the fount, as shown in Fig. 2.

7 designates a pair of spherical globes, which
are transparent and which are provided with 65
pendent stems 8, adapted to enter the sock-
ets 5 of the band, whereby they are held in
place at either side of the lamp. These globes
are also provided at their tops with tubular
necks 9, by which they are adapted to be 70
filled with water or other liquid, suitable stop-
pers being thereafter introduced into the
necks for preventing the escape of the liquid.
These globes being located at each side of the
burner of the lamp, as shown in Fig. 1, they 75
act as lenses or magnifying-glasses and take
up the rays of light and project them in op-
posite directions and serve to greatly intensify
the light and cause the same to penetrate to
a greater distance. 80

The lamp-shade 10 is mounted upon a suit-
able frame 11, having oppositely-extending
arms 12, extending toward the globes 7, and
is provided with rings or loops 13, which are
placed over the tubular necks 9 of the globes, 85
thus holding the shade in place.

The attachment above described may be
made in various sizes to suit different lamps
and may be made either separately from the
lamp, so that it may be applied to lamps al- 90
ready in use, or it may form a part of the lamp.

Of course where the improvement consti-
tutes a part of the lamp the major portion of
the band 3 may be dispensed with, it being
necessary only to employ the sockets in which 95
the globes are placed.

It will be apparent that the attachment
adds greatly to the usefulness of the lamp in
that it materially increases the light, enabling
the finest print to be read at a considerable 100
distance therefrom.

Changes in the form, proportion, and minor

details of construction may be resorted to without departing from the spirit or sacrificing any of the advantages of this invention.

Having thus described the invention, what is claimed as new is—

1. A lamp provided at each side with opposing sockets, in combination with the transparent globes containing liquid seated in said sockets and located upon opposite sides of the burner, the projecting necks at the tops of said globes, and the lamp-shade having the rings or loops for engaging said necks, substantially as described.

2. The combination with a burner, of upper and lower frames having oppositely-disposed sockets approximately in vertical relation, and a lens having oppositely-disposed necks to enter the said sockets, substantially as and for the purpose set forth.

3. In combination, a burner, upper and

lower frames having bearings or sockets at opposite points and approximately in vertical line, and transparent globes having neck portions fitted in the sockets, substantially as and for the purpose set forth.

4. A lamp provided at one side of its fount with a socket, in combination with a transparent globe adapted to contain liquid and seated in said socket, an upwardly-projecting neck on said globe, and a lamp-shade having a loop for embracing said neck, whereby said shade is supported, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

MARY W. BEATON.

Witnesses:

J. W. SHELLEY,
ZINA H. ALLBEE.