

H. J. BATCHELDER.

Reflector.

No. 30,104.

Patented Sept. 18, 1860.

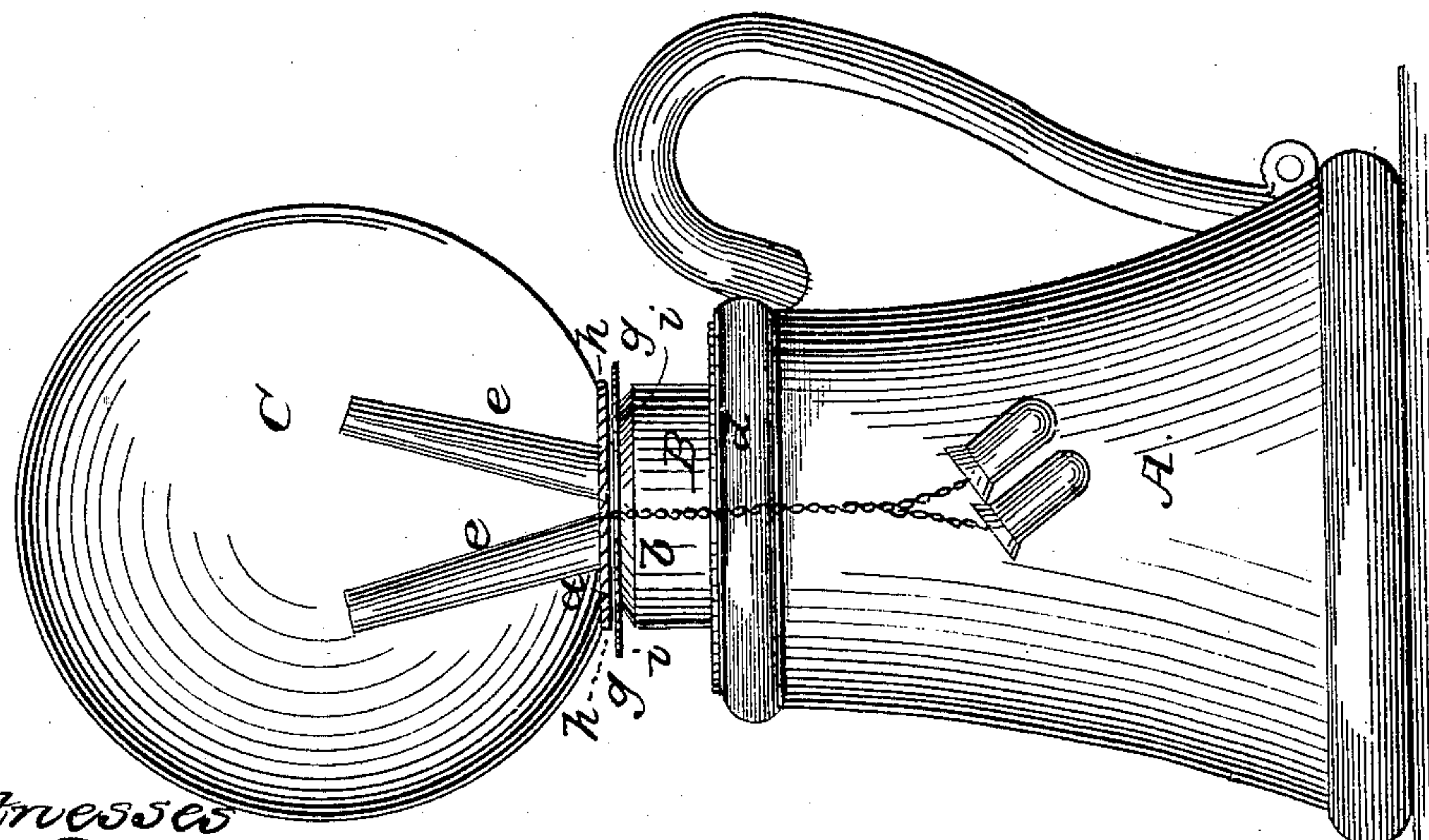
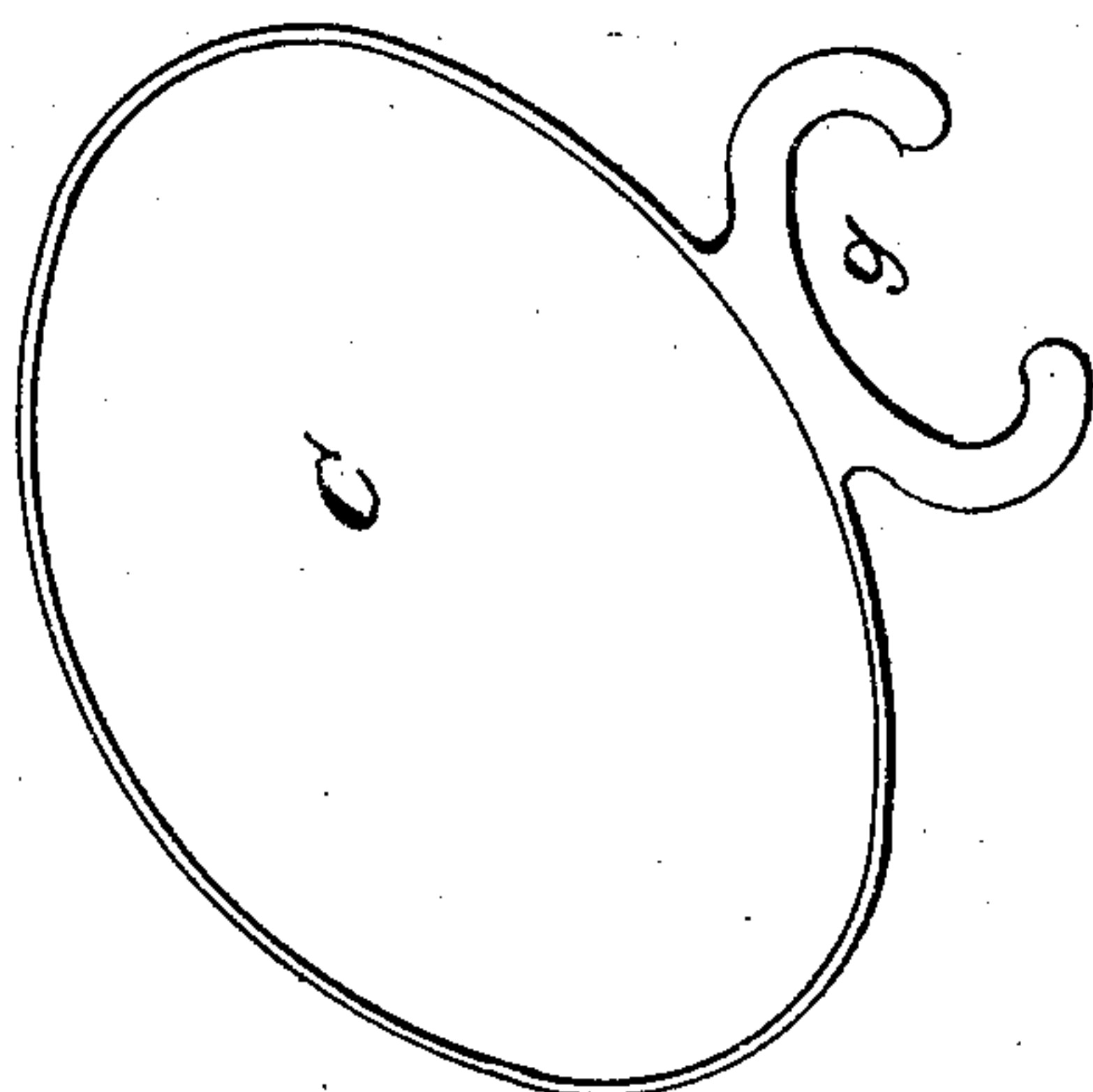
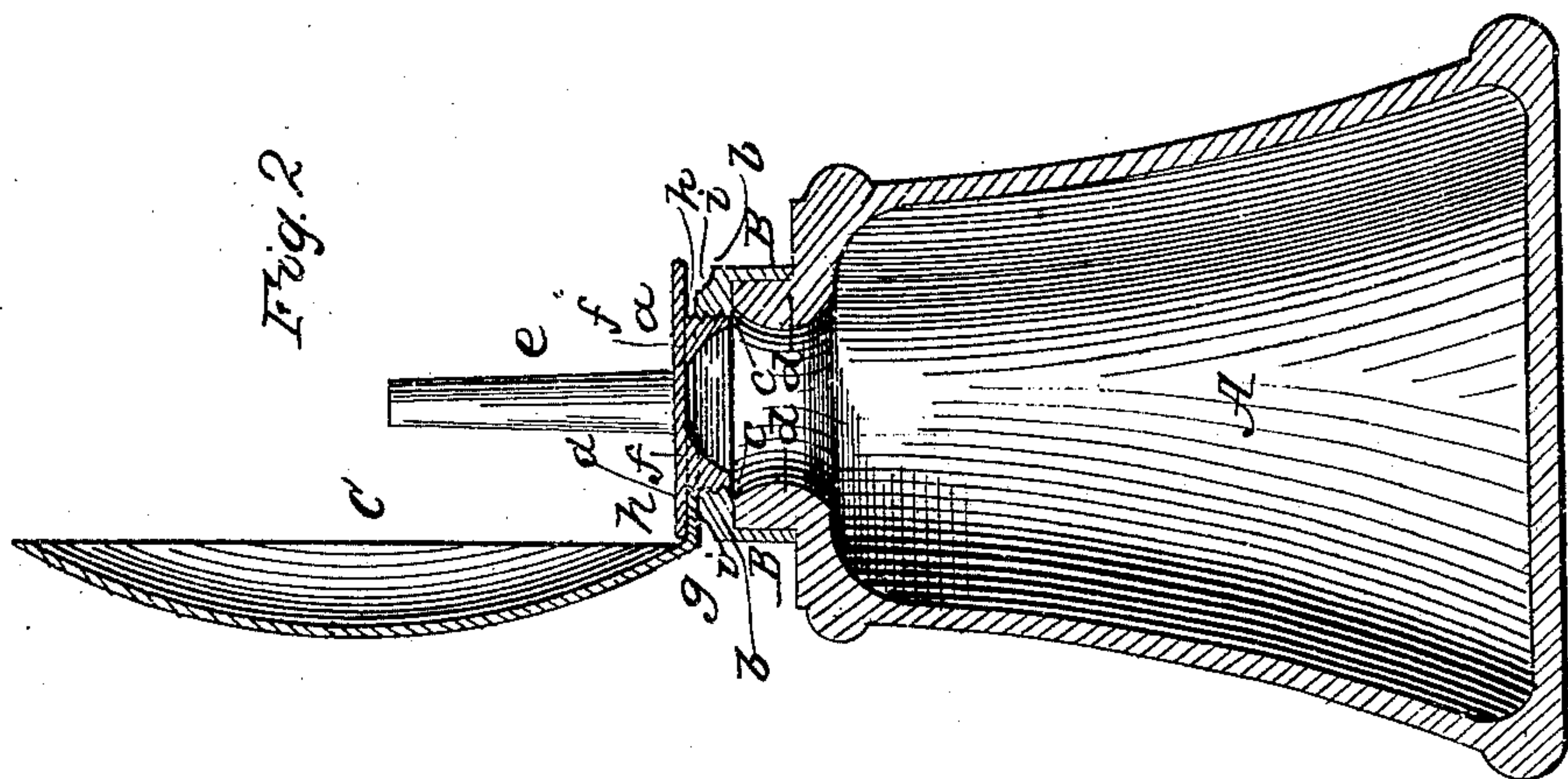


Fig. 1.

Witnesses

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UNITED STATES PATENT OFFICE.

HAZEN J. BATCHELDER, OF MARLBORO, MASSACHUSETTS, ASSIGNOR TO HIMSELF AND
WM. F. EAGER, OF SAME PLACE.

LAMP.

Specification of Letters Patent No. 30,104, dated September 18, 1860.

To all whom it may concern:

Be it known that I, HAZEN J. BATCHELDER, of Marlboro, in the county of Middlesex and State of Massachusetts, have invented a new and useful Improvement in Lamps; and I do hereby declare such to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1, is a side view, and Fig. 2, a vertical section of a lamp provided with my invention. Fig. 3, is a perspective view of the reflector as separated from the lamp.

My improvement has reference to the application of a reflector to a lamp and consists in applying such reflector directly to the cap of the lamp and confining it in place therein by means of the screw and shoulders of the cap and a crescent shaped projection extended from the reflector and between the said shoulders and partially around the screw of that part of the cap which supports the wick tubes.

In the drawings, A, exhibits a glass lamp of ordinary construction, its metallic cap being shown at B. This cap is formed as usual in two parts, *a*, *b*, one of which, viz., *b*, is an annulus provided with a female screw *c*, and cemented or otherwise fixed to the neck, *d*, of the lamp. The other part (or that marked, *a*,) is that which supports the wick tube or tubes, *e*, *e*, and is screwed by a male screw, *f*, into the annulus, *b*.

C, is a reflector made of metal and with a crescent shaped or forked projection, *g*, ex-

tending from its lower edge as shown in the drawings. It is by means of such projection and the parts of the cap that the reflector can be affixed to the cap. In accomplishing this latter, the said projection is to be inserted between the shoulders *h*, *i*, of the parts, *a*, *b*. This having been done, the male screw is next to be screwed down upon the projection while it rests on the annulus. The advantages of this mode of applying the reflector are as follows: It does not require any addition to the lamp cap, nor to the body of the lamp. The reflector can be readily adjusted in any desirable position about the cap and particularly so as to be in front of the wick tubes and the handle, in which case, such reflector may be used as a guard to protect the flame of the wicks while the lamp is held by its handle and carried forward through the air.

I do not claim combining a reflector with a lamp, but

I claim—

The application of a reflector to a lamp cap, substantially as described, by means of the projection, *g*, extended from the reflector and between the shoulders of such cap and held in place by the action of the screws thereof as explained.

HAZEN J. BATCHELDER.

Witnesses:

R. H. EDDY,
F. J. HALE, Jr.