

H. C. APPLEBY.

Lamp Chimney.

No. 55,450.

Patented June 12, 1866.

FIG. 1.

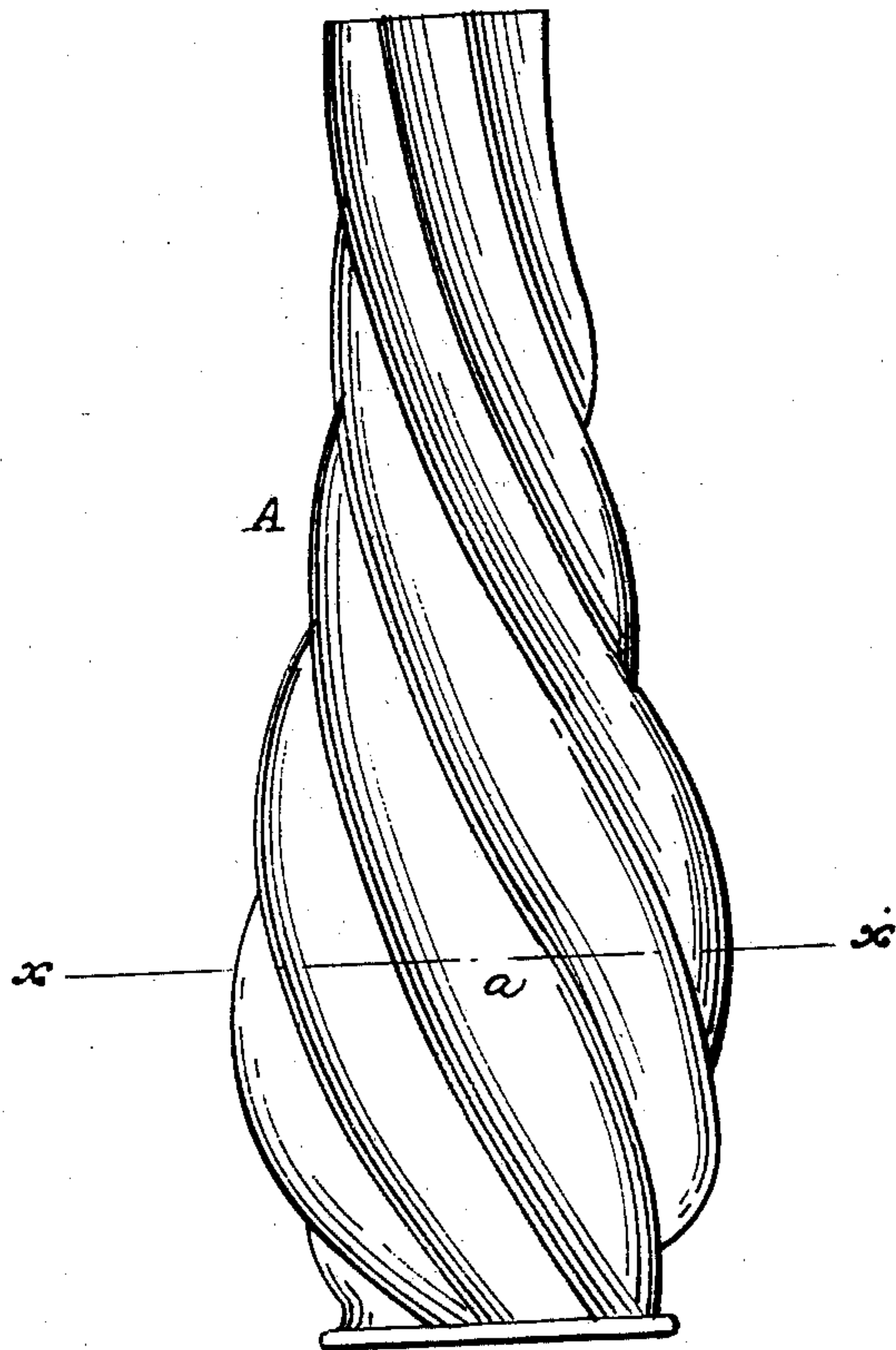
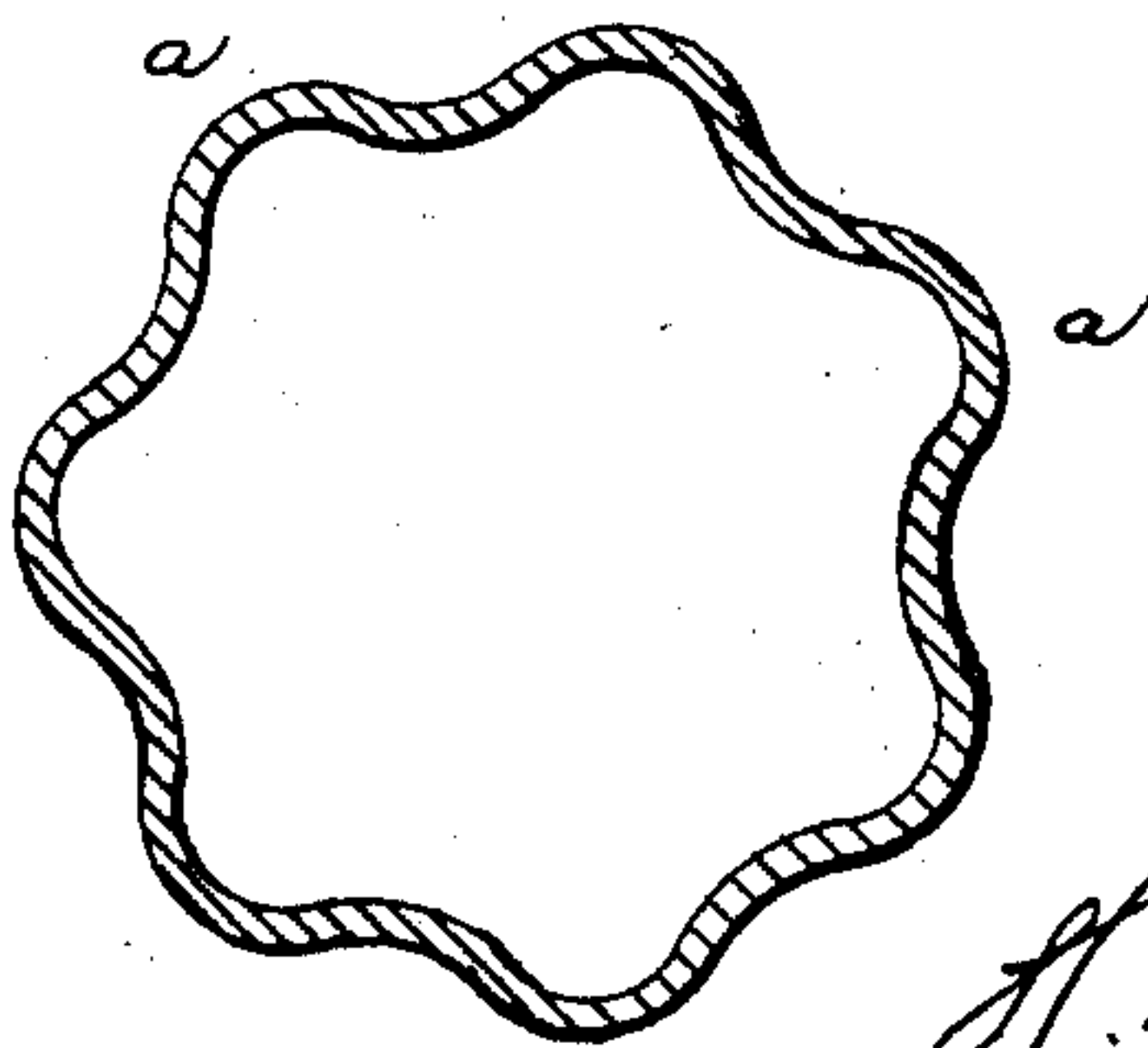


FIG. 2.



WITNESSES:

Wm. T. Swanwick
J. M. P. Conington

INVENTOR.

H. C. Appleby
Per M. M. H. Appleby

UNITED STATES PATENT OFFICE.

H. C. APPLEBY, OF CONNEAUT, OHIO.

IMPROVEMENT IN LAMP-CHIMNEYS.

Specification forming part of Letters Patent No. **55,450**, dated June 12, 1866.

To all whom it may concern:

Be it known that I, H. C. APPLEBY, of Conneaut, in the county of Ashtabula and State of Ohio, have invented a new and useful Improvement in Lamp-Chimneys; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a side elevation of my invention. Fig. 2 is a tranverse section taken on the plane of the line *x x*, Fig. 1.

Similar letters of reference indicate like parts.

My invention consists in constructing a glass chimney for lamps with corrugations, flutings, or the like, running spirally around the chimney, whereby the chimney will have a better capacity for expansion, and therefore be less liable to break, than ordinary glass chimneys.

A designates a chimney for a coal-oil lamp, and *a a* designate a number of corrugations or ribs which run spirally around the chimney from end to end. These corrugations are formed in the chimney at the time it is made, and can be done without increasing the expense of the chimney.

By constructing the chimney with these ribs or corrugations, as described, it is allowed a perfectly free chance for expansion on account of the elasticity of the corrugations, and therefore the glass will be enabled to expand or contract with little or no liability of its breaking.

I am aware that a patent has been granted W. L. Jukes, patented May 12, 1863, for a lamp-chimney with longitudinal corrugations, and I therefore lay no claim to a longitudinally-corrugated lamp-chimney.

By constructing a lamp-chimney with spiral corrugations I obtain all the advantages of a chimney having longitudinal corrugations, besides giving the chimney the capability of a better expansion and contraction lengthwise and in all directions.

What I claim as my invention, and desire to secure by Letters Patent, is—

A spirally corrugated or fluted glass lamp-chimney, constructed substantially as shown and described.

HENRY C. APPLEBY.

Witnesses:

C. R. GODDARD,
H. W. GOULD.