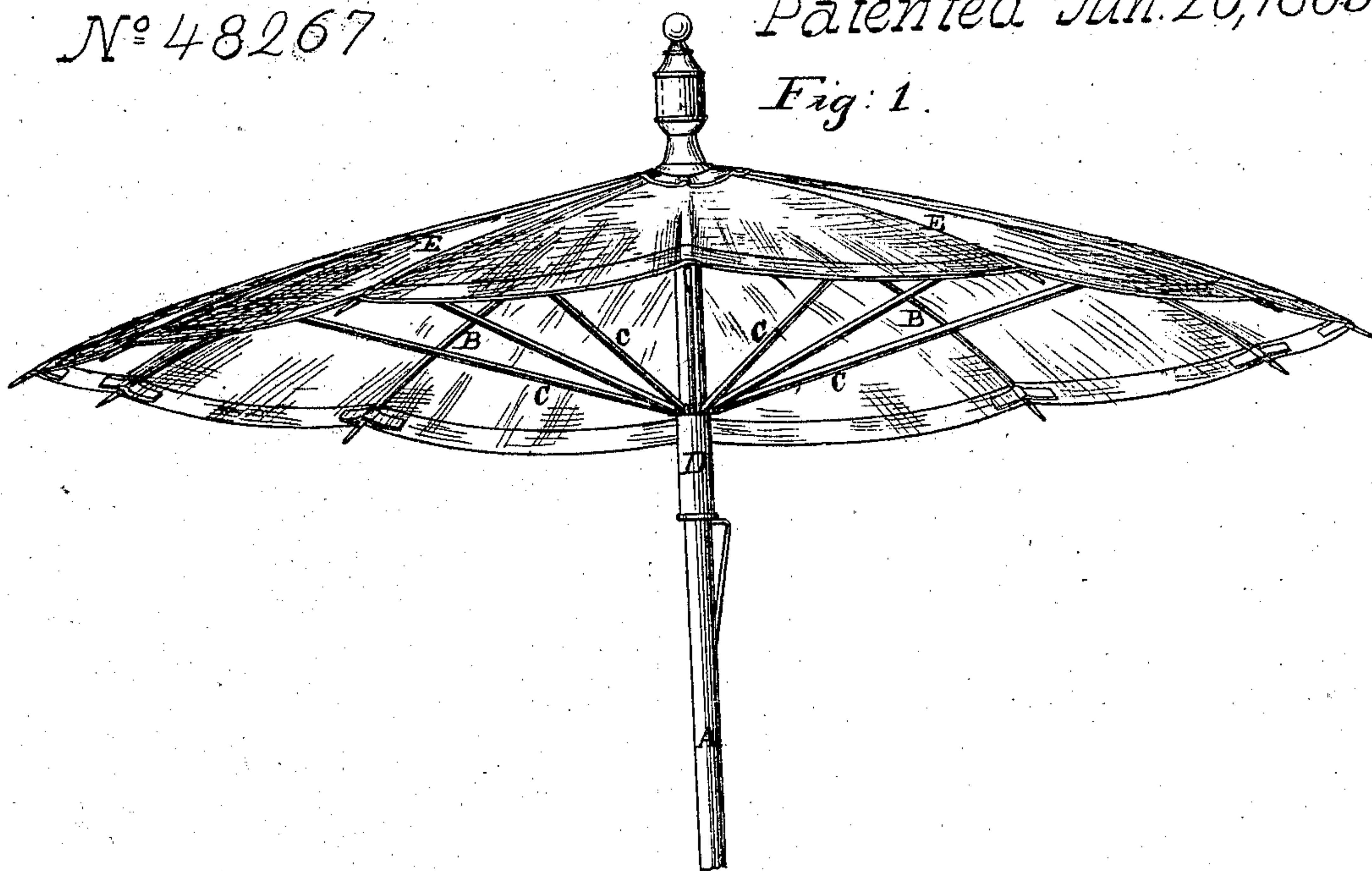


*J. S. Fee.*  
*Umbrella.*

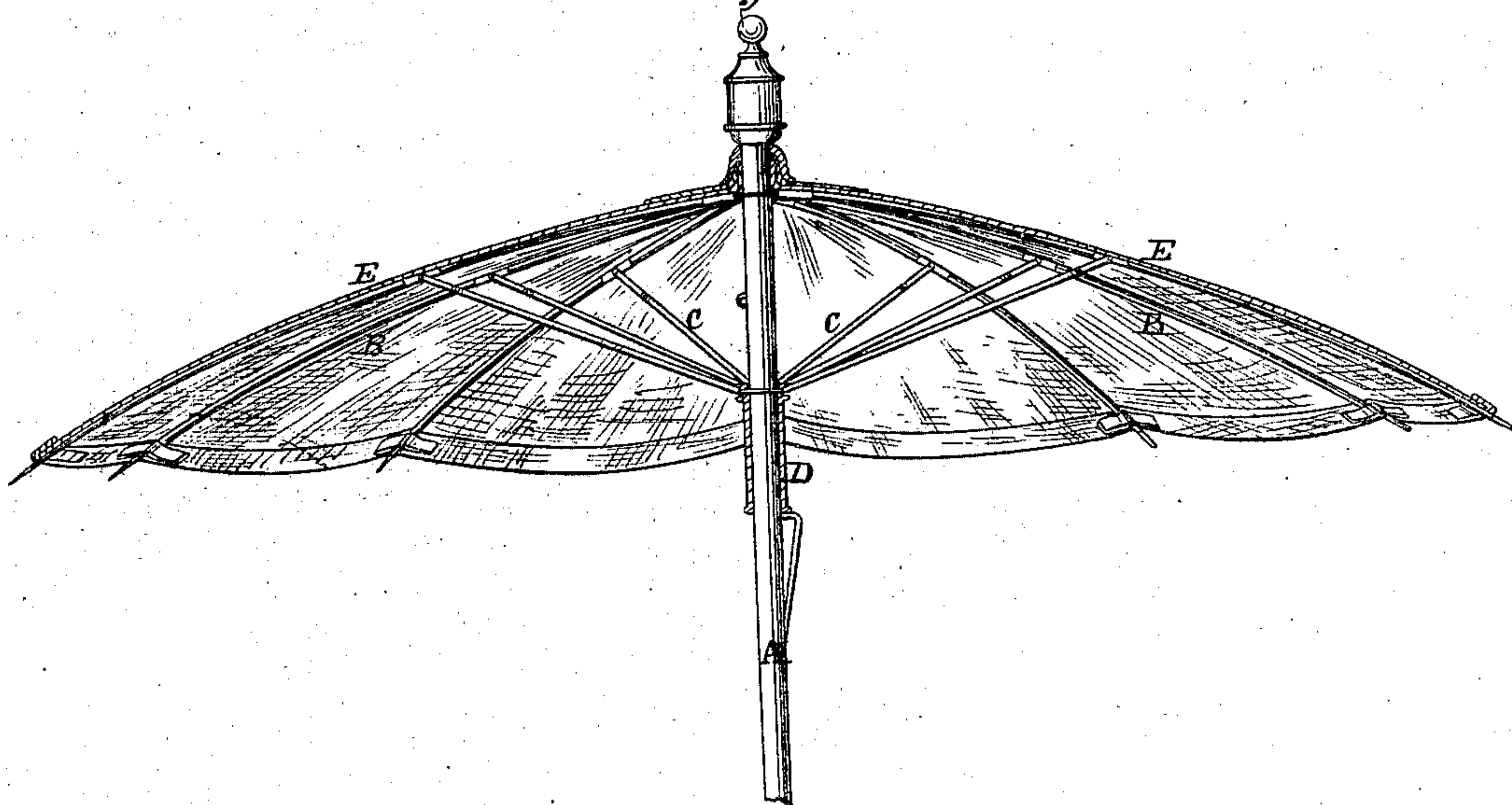
*Nº 48267.*

*Patented Jun. 20, 1865.*

*Fig: 1.*



*Fig: 2.*



Witnesses.

*James H. Layman*  
*Charles L. Fisher.*

Inventor.

*J. S. Fee*  
Per *Knight Bros Atty.*

# UNITED STATES PATENT OFFICE.

JOHN S. FEE, OF FELICITY, OHIO.

## IMPROVEMENT IN UMBRELLAS.

Specification forming part of Letters Patent No. **48,267**, dated June 20, 1865.

*To all whom it may concern:*

Be it known that I, JOHN S. FEE, of Felicity, Clermont county, Ohio, have invented a new and useful Improvement in Umbrellas; and I do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

The object of my improvement is to provide an elastic and perfectly water-proof covering for umbrellas.

Figure 1 is a perspective view, and Fig. 2 is an axial section, of an umbrella covered on my plan.

A, B, C, and D represent, respectively, the staff, bows, stretchers, and thimble of an umbrella.

E represents a sheet of india-rubber, which, having been trimmed to a circular form and perforated at its center to receive the staff, has its margin secured to the ends of the bows in any suitable manner.

Among the many obvious advantages of this invention the following may be cited: The extensibility of the material enables it to fit the frame perfectly although the covering consists of a single piece. It is water-proof in the heaviest showers. It is adapted for use as a most efficient life-preserver by persons in danger of drowning.

Although here described in connection with umbrellas, for which it is more particularly intended, yet the invention is also applicable to parasols and sun-shades.

I claim herein as new and of my invention—

An umbrella whose web or covering is composed of a single piece of india-rubber, substantially as set forth.

In testimony of which invention I hereunto set my hand.

JOHN S. FEE.

Witnesses:

JAMES H. LAYMAN,  
GEO. H. KNIGHT.