

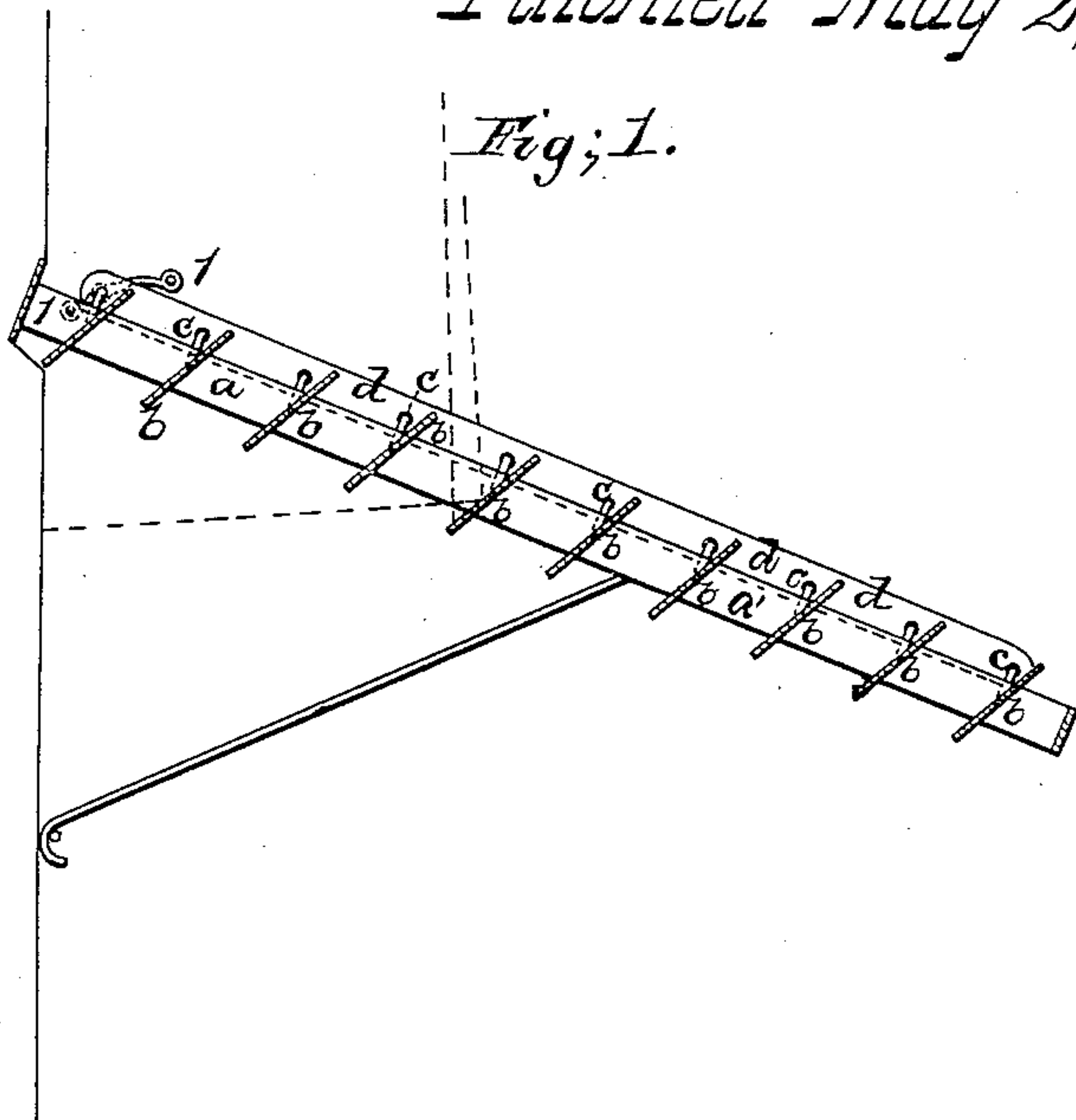
*J. Corduan,*

*Awning*

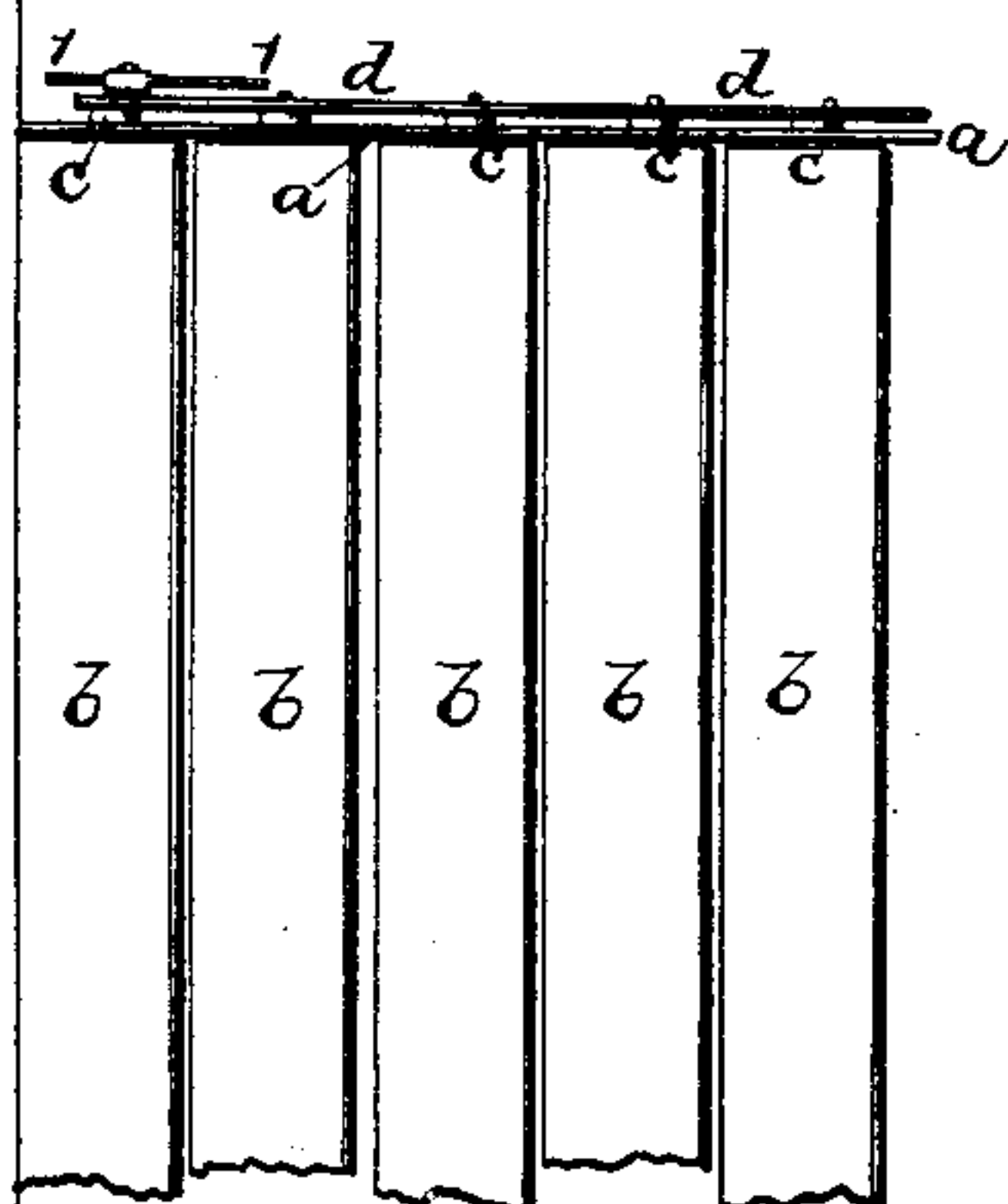
*N<sup>o</sup> 47,524.*

*Patented May 2, 1865.*

*Fig; 1.*



*Fig; 2.*



*Witnesses;*

*Lemuel W. Lovell*

*Chas. H. Smith*

*Inventor;*

*Joseph Corduan*

# UNITED STATES PATENT OFFICE.

JOSEPH CORDUAN, OF BROOKLYN, NEW YORK.

## IMPROVED AWNING AND REFLECTOR.

Specification forming part of Letters Patent No. 47,524, dated May 2, 1865.

*To all whom it may concern:*

Be it known that I, JOSEPH CORDUAN, of Brooklyn, in the county of Kings and State of New York, have invented, made, and applied to use a certain new and useful Improvement in an Awning and Reflector Combined; and I do hereby declare the following to be a full, clear, and exact description of the said invention, reference being had to the annexed drawings, making part of this specification, wherein—

Figure 1 is a section of my awning and reflector as in place for use, and Fig. 2 is a plan of a portion of the awning at the ends of the slats.

Similar marks of reference denote the same parts.

The awnings usually employed in front of stores obstruct the light to too great an extent, and are a great inconvenience because of the trouble incident to spreading and furling the same, and changes in the atmosphere require the awning to be varied, or the light is very unequal.

The nature of my said invention consists in a series of slats mounted on axes and provided with crank-arms connected by a bar that is operated by cords or any similar device, so that the slats can be turned sufficiently to exclude the direct rays of the sun, and at the same time the slats become reflectors to illuminate the store. Thus the awning becomes an easily-managed equalizer of the light both beneath itself and in the store in front of which it is located.

In the drawings, *a* is a suitable frame of the desired size containing holes for the reception of the axes of the slats *b b*. On one end of the slats the axes project, and are formed as cranks *c*, connected together by a bar, *d*, that is operated on by cords or ropes acting on the levers *1 1*, or in any suitable manner, so that the slats *b b* can be placed at the desired angle. These slats may be made of polished metal, or painted, so as to become a reflecting-surface that will throw light into the store or building in front of which it is located. The angle at which these slats are placed can be varied with great facility, so that the direct rays of the sun only are excluded from below the awning, while the light shining upon the slats will be reflected off almost horizontally, as indicated by the dotted lines.

By closing the slats entirely rain will be excluded, as the water will drip off the lower edge of one slat upon the upper surface of the slat next below.

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

The combined awning and reflector, constructed and applied substantially as specified.

In witness whereof I have hereunto set my signature this 13th day of October, 1864.

JOSEPH CORDUAN.

Witnesses:

LEMUEL W. SERRELL,  
CHAS. H. SMITH.