

W. E. CALLANE.
CROSS ARM SUPPORT.
APPLICATION FILED NOV. 19, 1906.

900,663.

Patented Oct. 6, 1908.

Fig. 1.

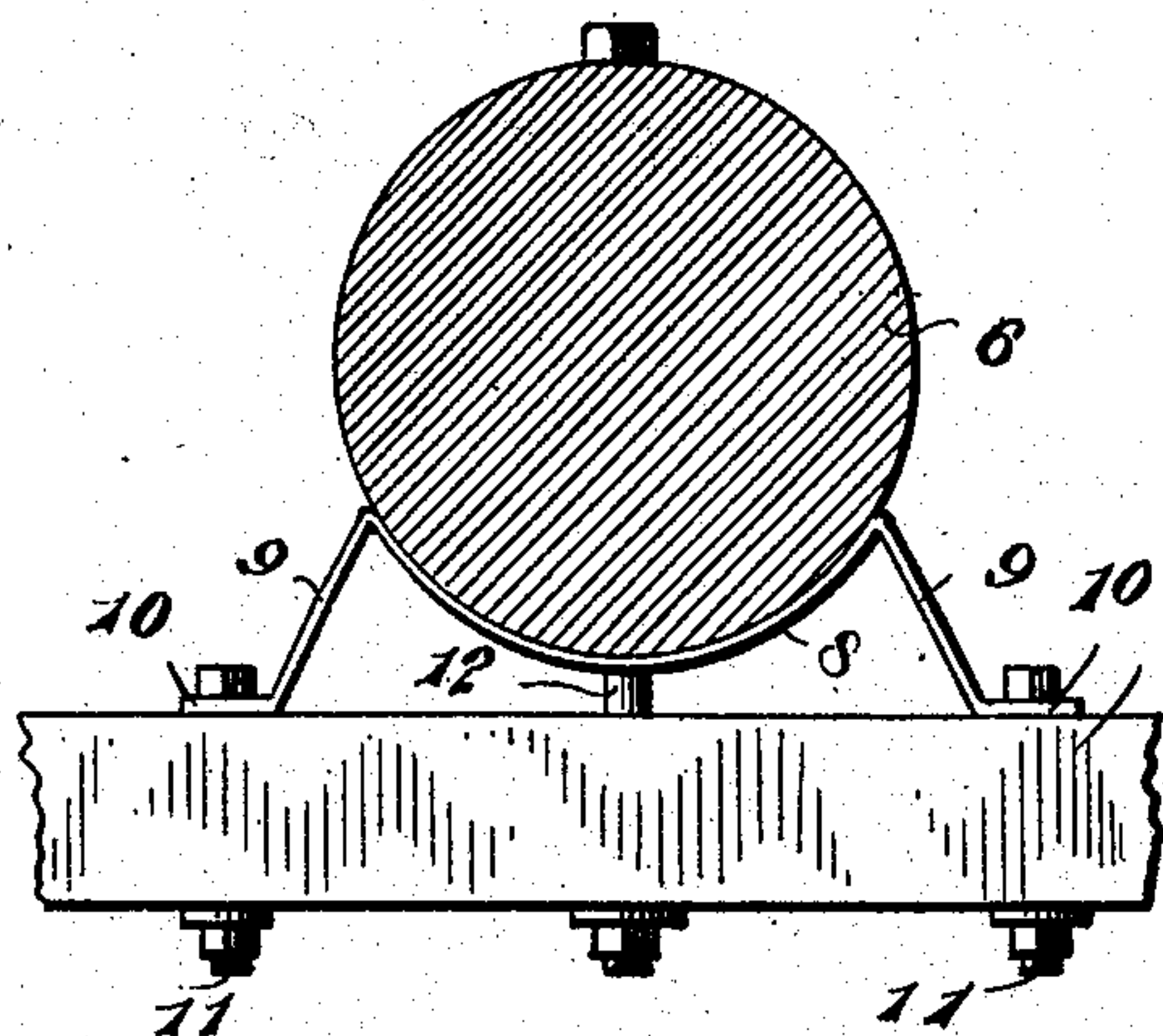


Fig. 2.

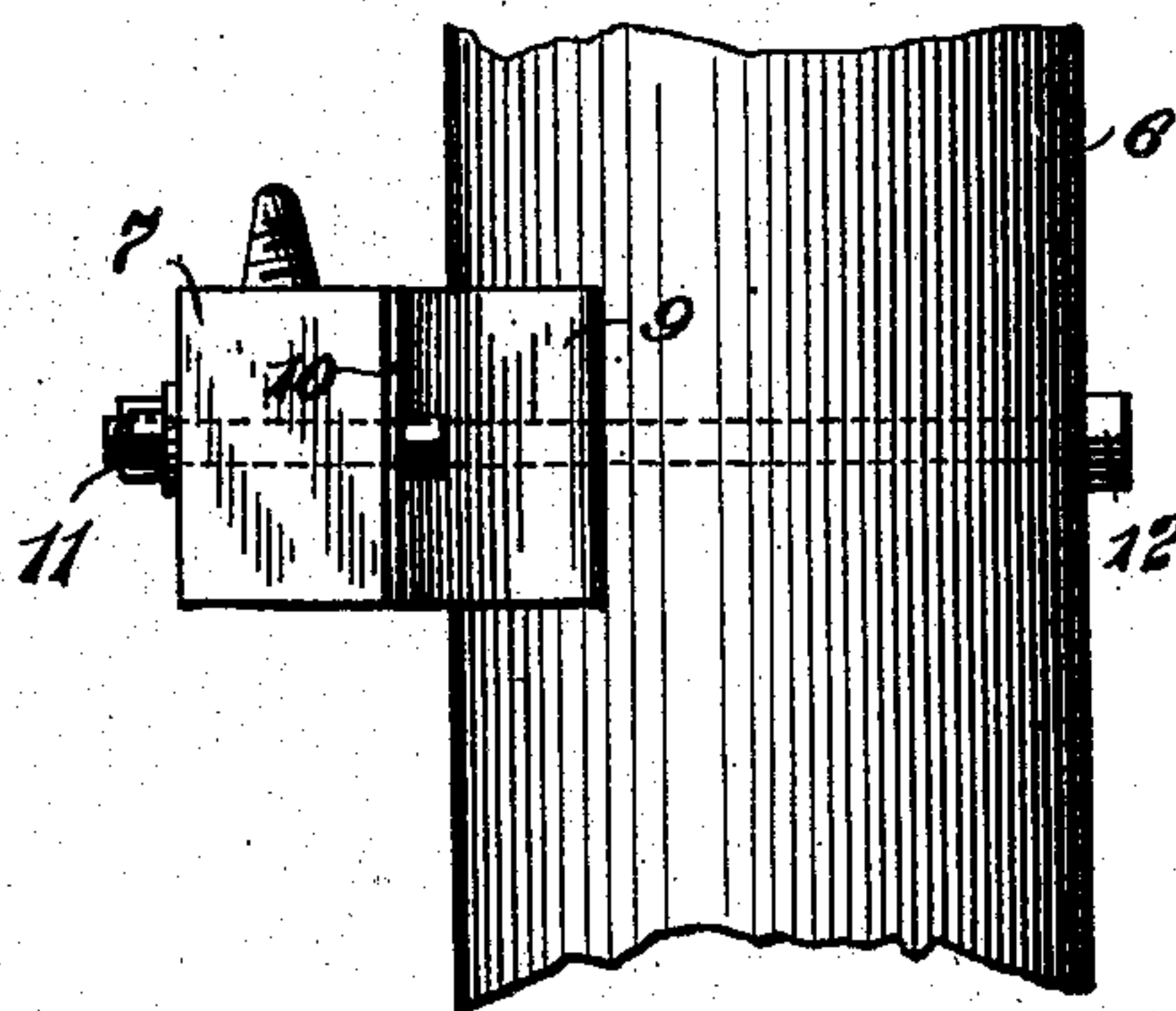
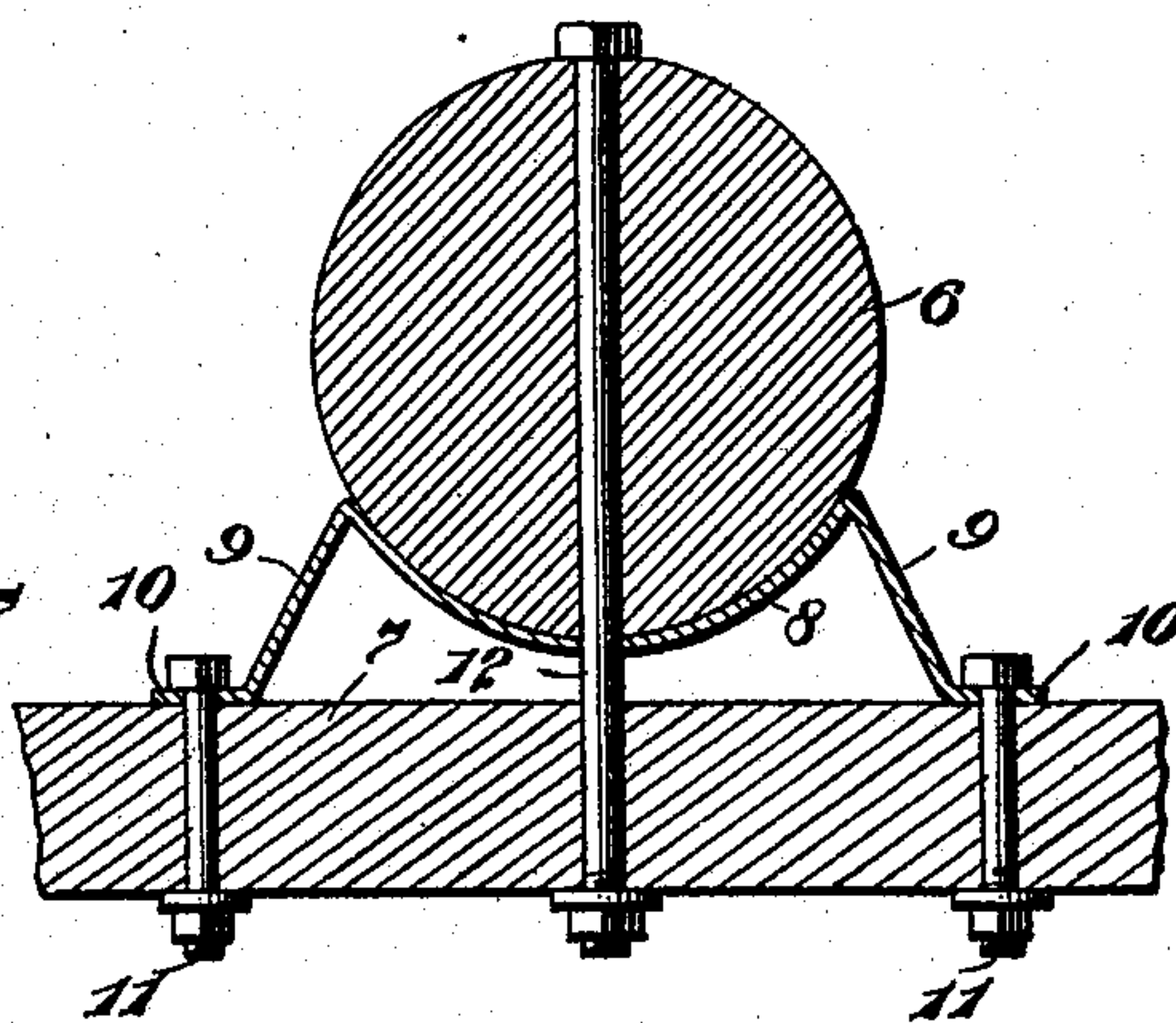


Fig. 3.

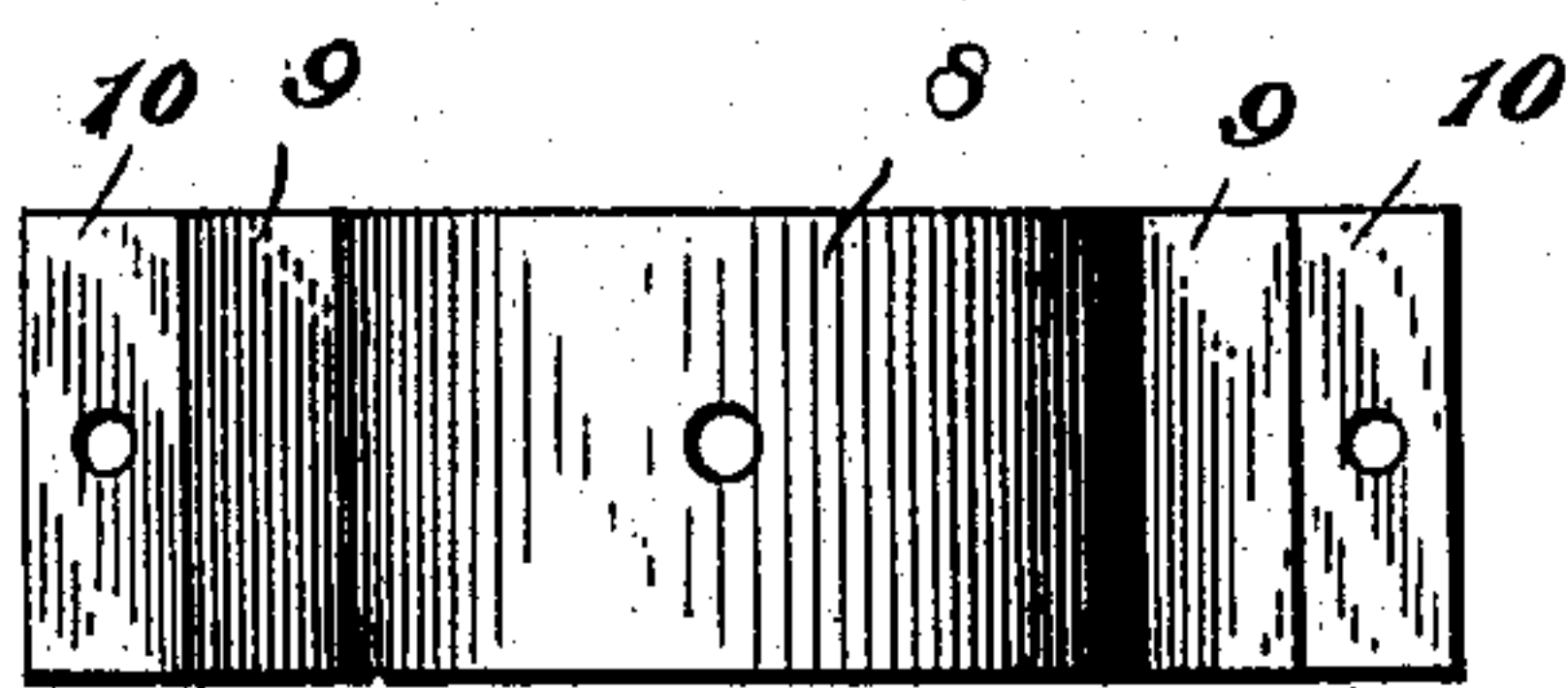


Fig. 4.

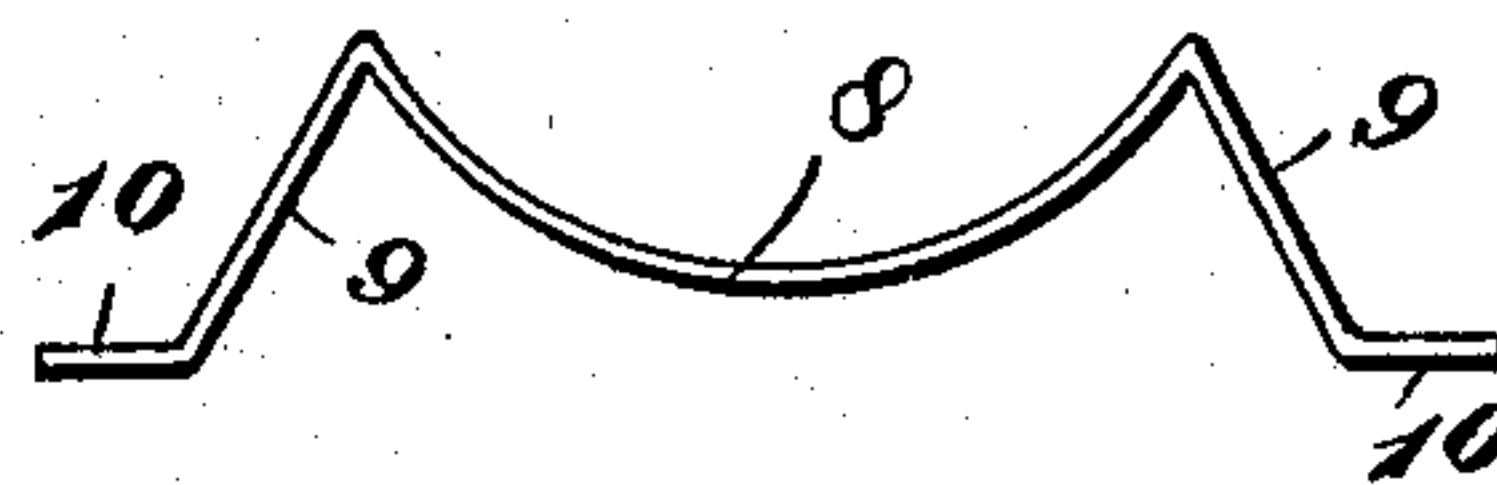


Fig. 5.

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Witnesses
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UNITED STATES PATENT OFFICE.

WALDO E. CALLANE, OF FLORA, INDIANA.

CROSS-ARM SUPPORT.

No. 900,663.

Specification of Letters Patent.

Patented Oct. 6, 1908.

Application filed November 19, 1906. Serial No. 344,101.

To all whom it may concern:

Be it known that I, WALDO E. CALLANE, a citizen of the United States, residing at Flora, in the county of Carroll and State of Indiana, have invented a new and useful Cross-Arm Support, of which the following is a specification.

This invention relates to means for securing wire or like supporting cross arms to poles, and the principal object is to provide a novel and exceedingly simple device, by means of which the cross arm can be securely fastened in place without the necessity of cutting the pole, said device being readily adjustable to poles of different diameters.

An embodiment of the invention that is at present considered the preferable one is illustrated in the accompanying drawings, wherein:—

Figure 1 is a sectional view through a pole, showing a cross arm in top plan view secured to said pole by the improved supporting means. Fig. 2 is a sectional view through the pole and supporting means. Fig. 3 is an end elevation of the structure. Fig. 4 is a face view of the supporting device. Fig. 5 is an edge view of the same.

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

Referring to said drawings, the pole and associated cross arm therein shown are respectively designated 6 and 7. The cross arm is spaced from the pole, and interposed between the two is a bracket formed from a single piece of metal, and comprising an intermediate curved strap 8, forming a seat that receives the pole. Extending from the ends of the strap and integral therewith are divergent arms 9 having at their free ends spaced outstanding and integral ears 10. The arms 9 are of sufficient length so that when the ears 10 are against the adjacent side of the cross arm 7 as shown, the curved strap 8 will be spaced therefrom. Fastening bolts 11 pass through the ears 10 and the cross arm, and another bolt 12 passes through the pole, the strap 8 and the cross arm between the bolts 11.

The device, as thus constructed, effectively holds the cross arm in place, prevents its twisting and avoids the necessity of cutting the pole. The bracket being formed of a single piece of metal, can be cheaply produced, and furthermore, because of the particular structure shown, the strap 8 consti-

tutes the sole connection between the arms 9. Therefore said strap can be made to conform to the curve of the pole, as the parts will give sufficiently for that purpose.

From the foregoing, it is thought that the construction, operation, and many advantages of the herein described invention will be apparent to those skilled in the art, without further description, and it will be understood that various changes in the size, shape, proportion, and minor details of construction, may be resorted to without departing from the spirit or sacrificing any of the advantages of the invention.

Having thus fully described my invention, what I claim as new, and desire to secure by Letters Patent, is:—

1. A cross arm support formed from a single piece of material, and comprising a curved pole-engaging strap, arms integral with and extending rearwardly from the ends of the strap, and outstanding spaced ears projecting from and integral with the rear ends of the arms, said ears being arranged for securement to a cross arm.

2. In a device of the character described, the combination with a pole, of a cross arm associated therewith, a support formed from a single piece of material, and comprising a curved strap interposed between the pole and cross arm and engaging the former, arms integral with and extending rearwardly from the ends of the strap, outstanding spaced ears projecting from and integral with the rear ends of the arms, said ears resting flat against the cross arm and maintaining the strap in spaced relation thereto between them, fasteners passing through the ears into the cross arm, and a fastener passing through the cross arm and through the strap into the pole.

3. A cross arm support formed from a single piece of material, and comprising a curved pole engaging strap, and integral inclined arms extending rearwardly from the ends of the strap, the length of the arms being such as to space the cross arm from the pole and the strap.

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

WALDO E. CALLANE.

Witnesses:

L. V. MYER,
WM. R. COLVIN.