

No. 731,319.

PATENTED JUNE 16, 1903.

S. A. MCINTYRE.  
SANITARY TENT.

APPLICATION FILED APR. 24, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

FIG. 1.

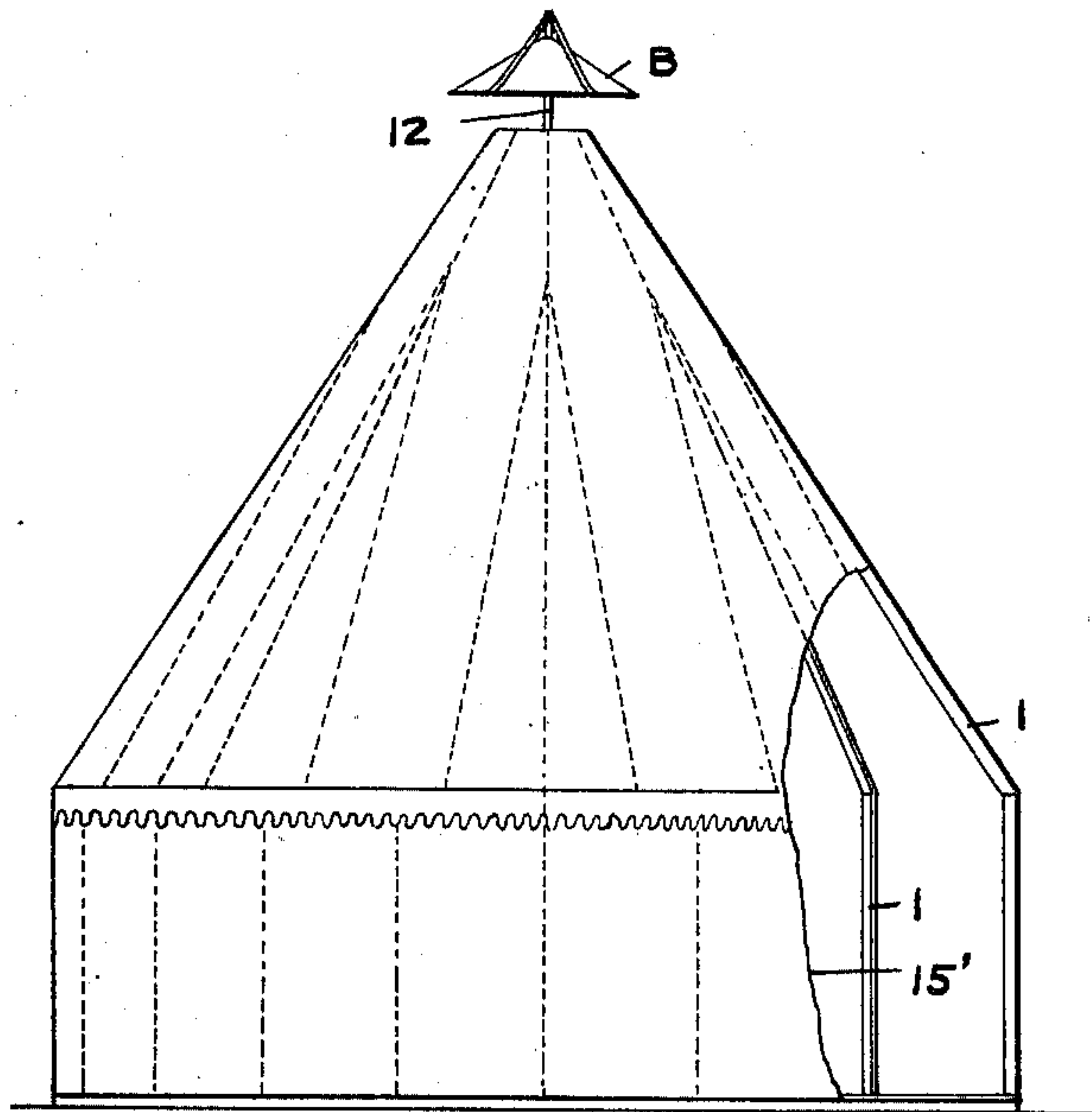
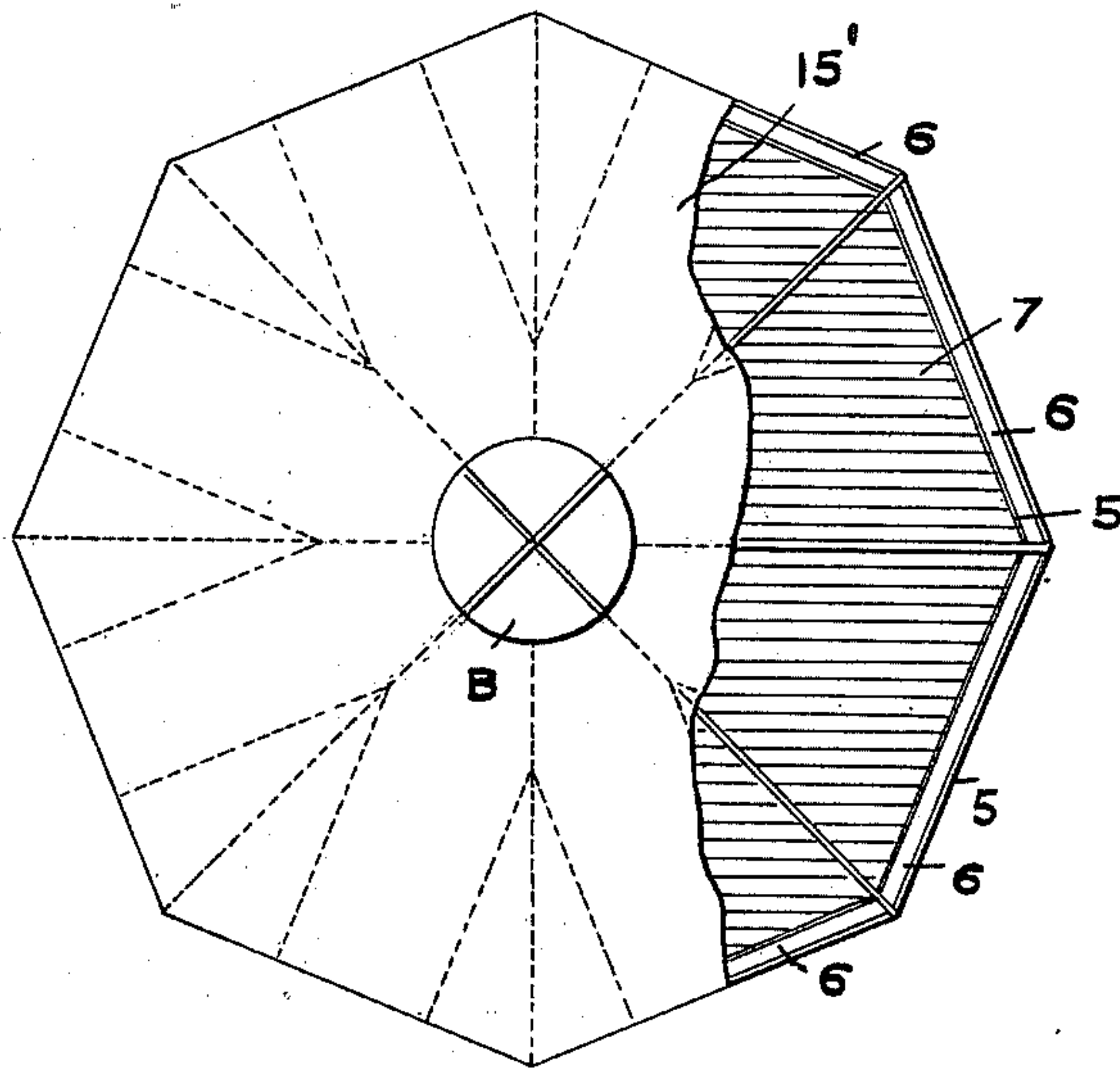


FIG. 2.

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*Ralph S. Warfield.*

INVENTOR.

*Symus A. McIntyre*  
BY *Charles B. Boies & Co.*  
ATTORNEYS.

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2 SHEETS—SHEET 2.

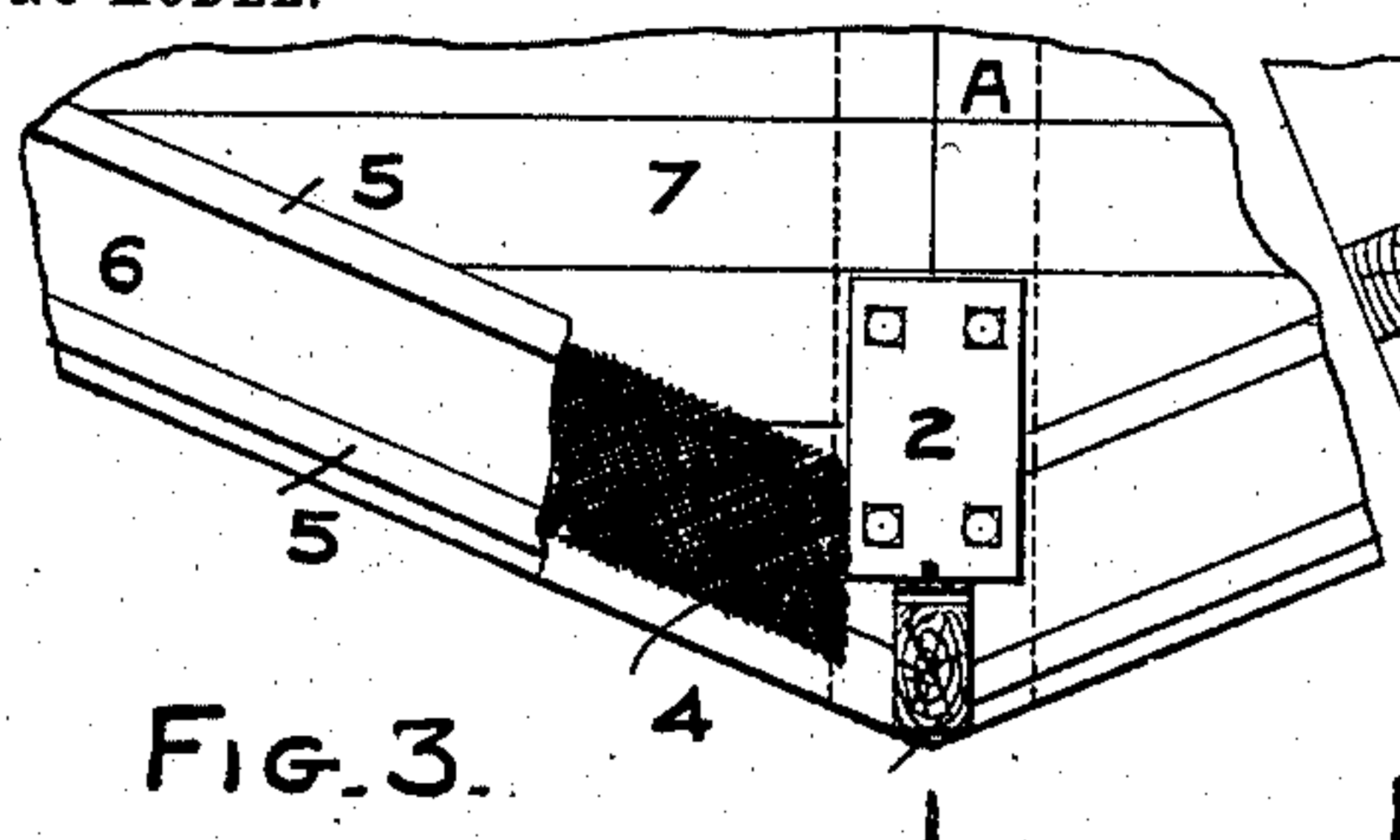


FIG. 3.

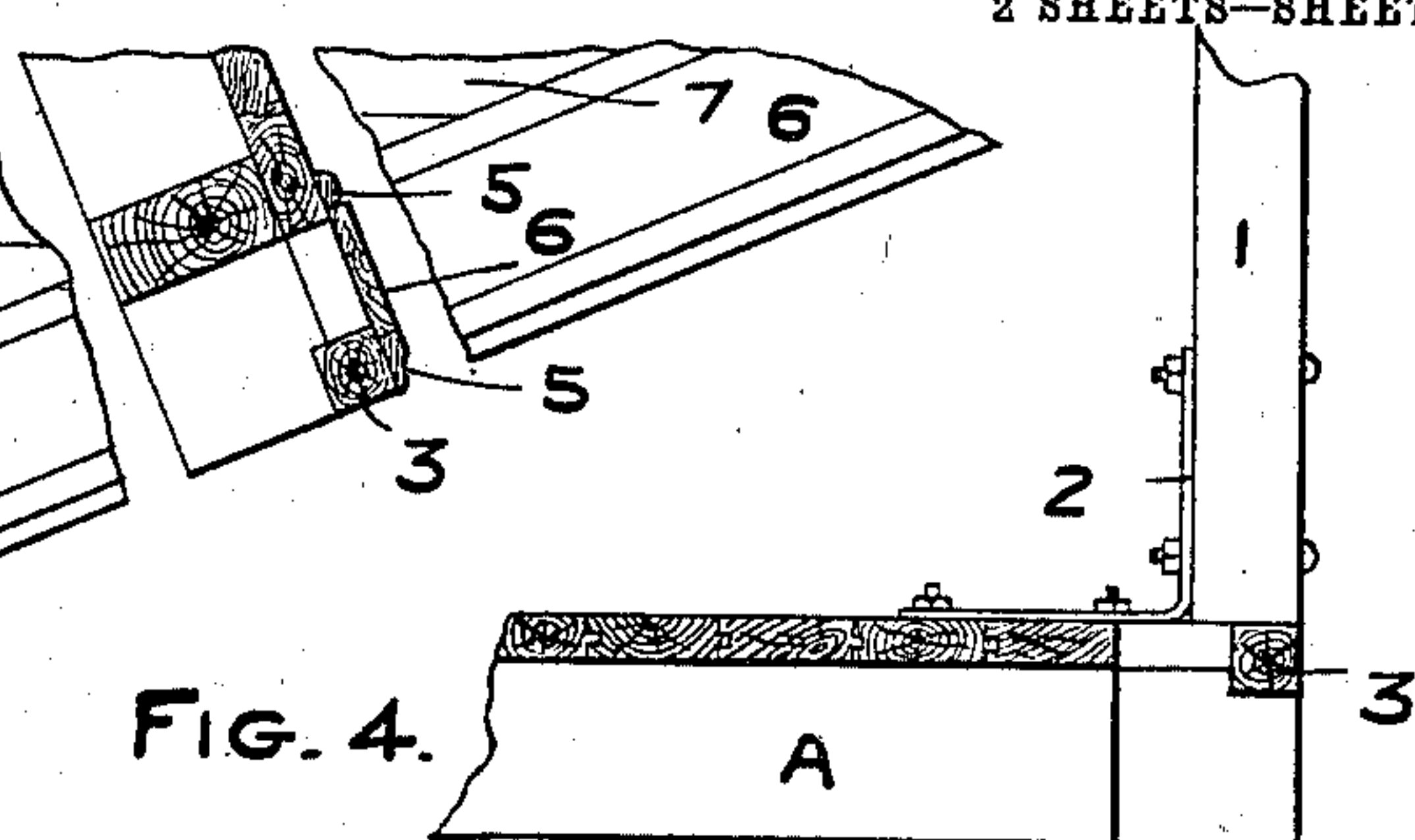


FIG. 4.

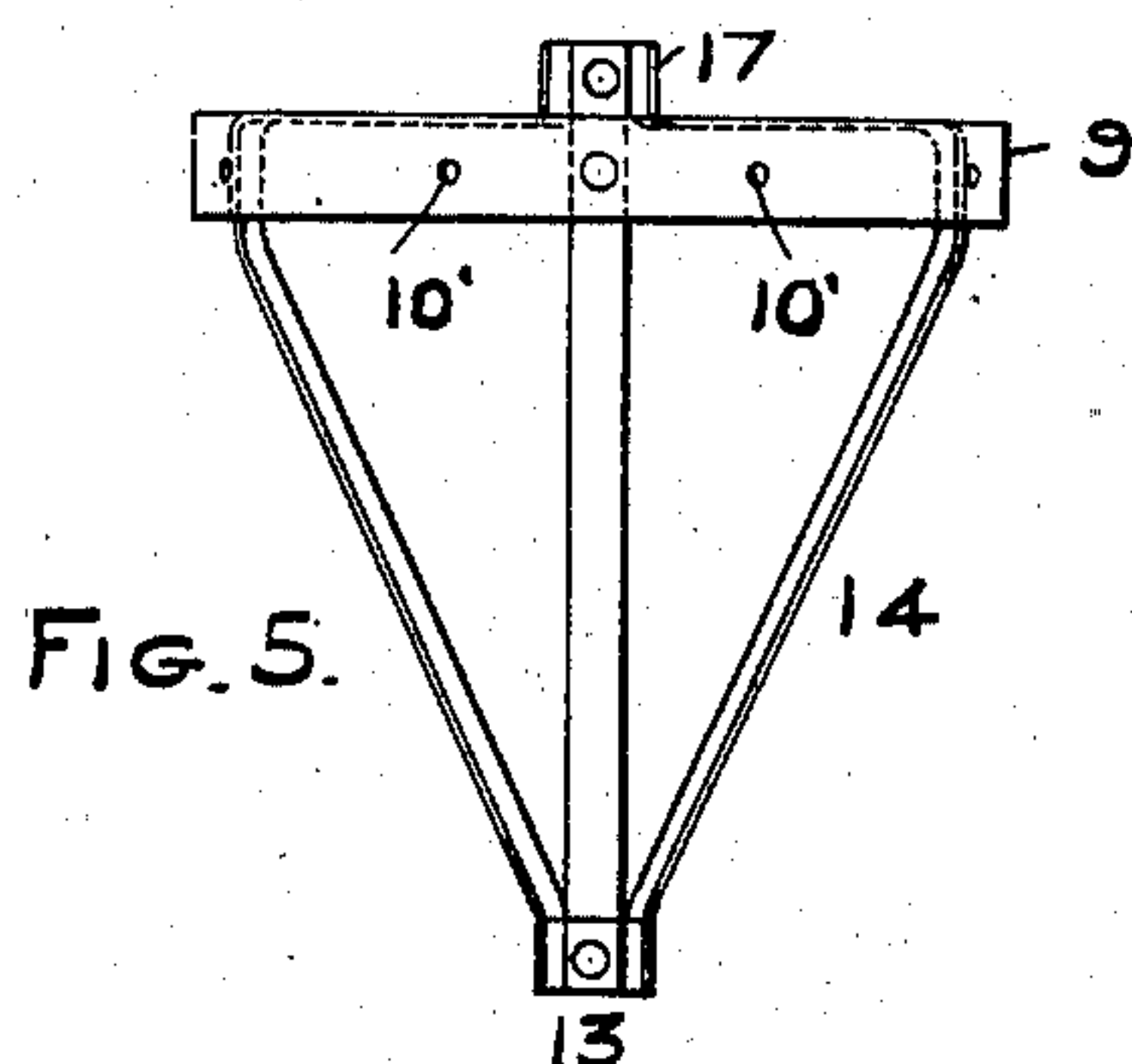


FIG. 5.

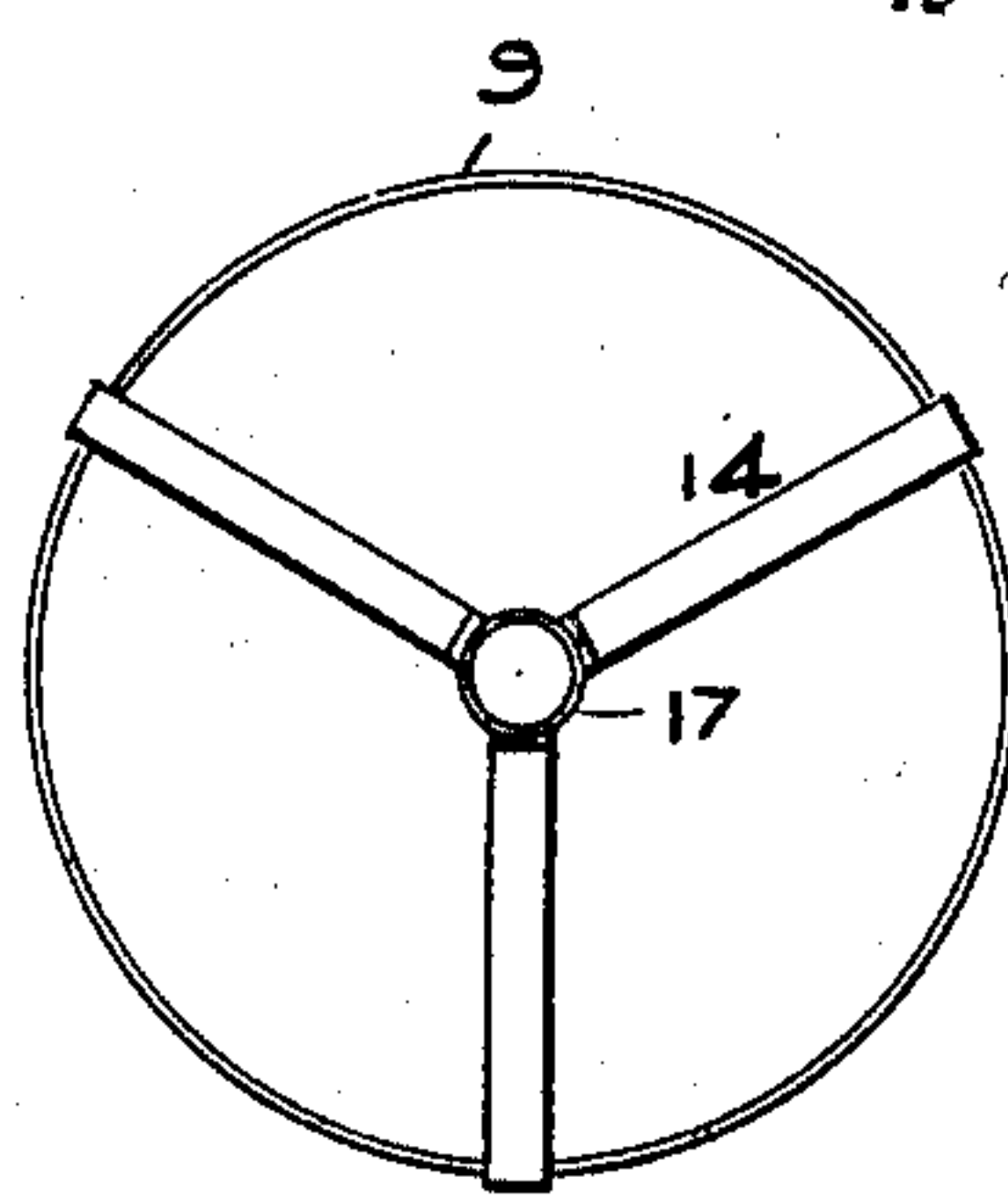


FIG. 6.

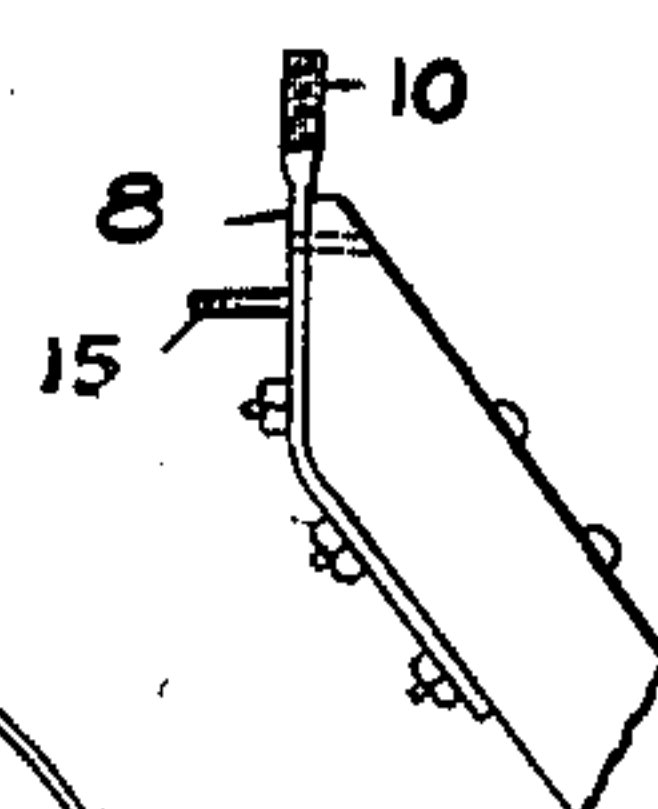


FIG. 7.

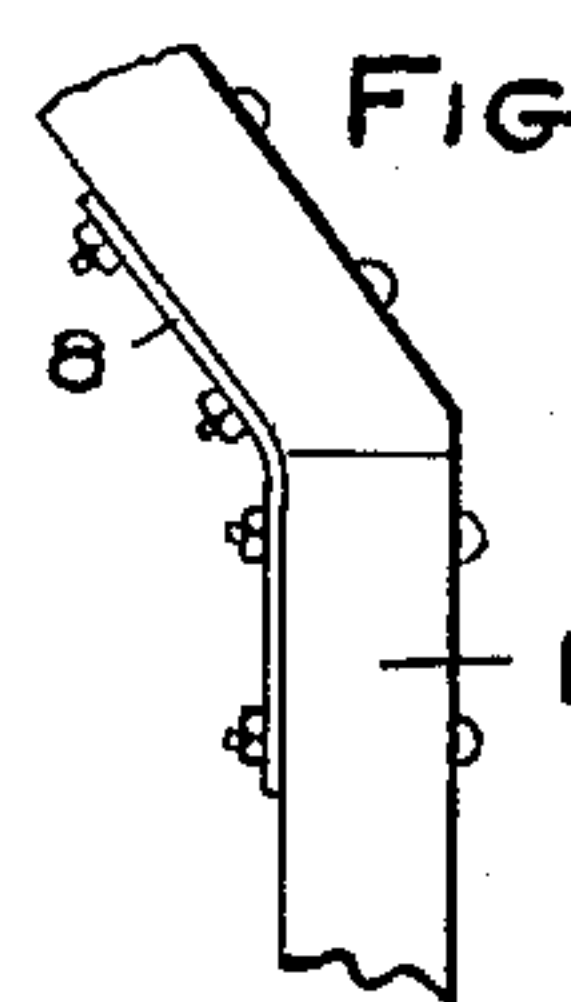


FIG. 8.

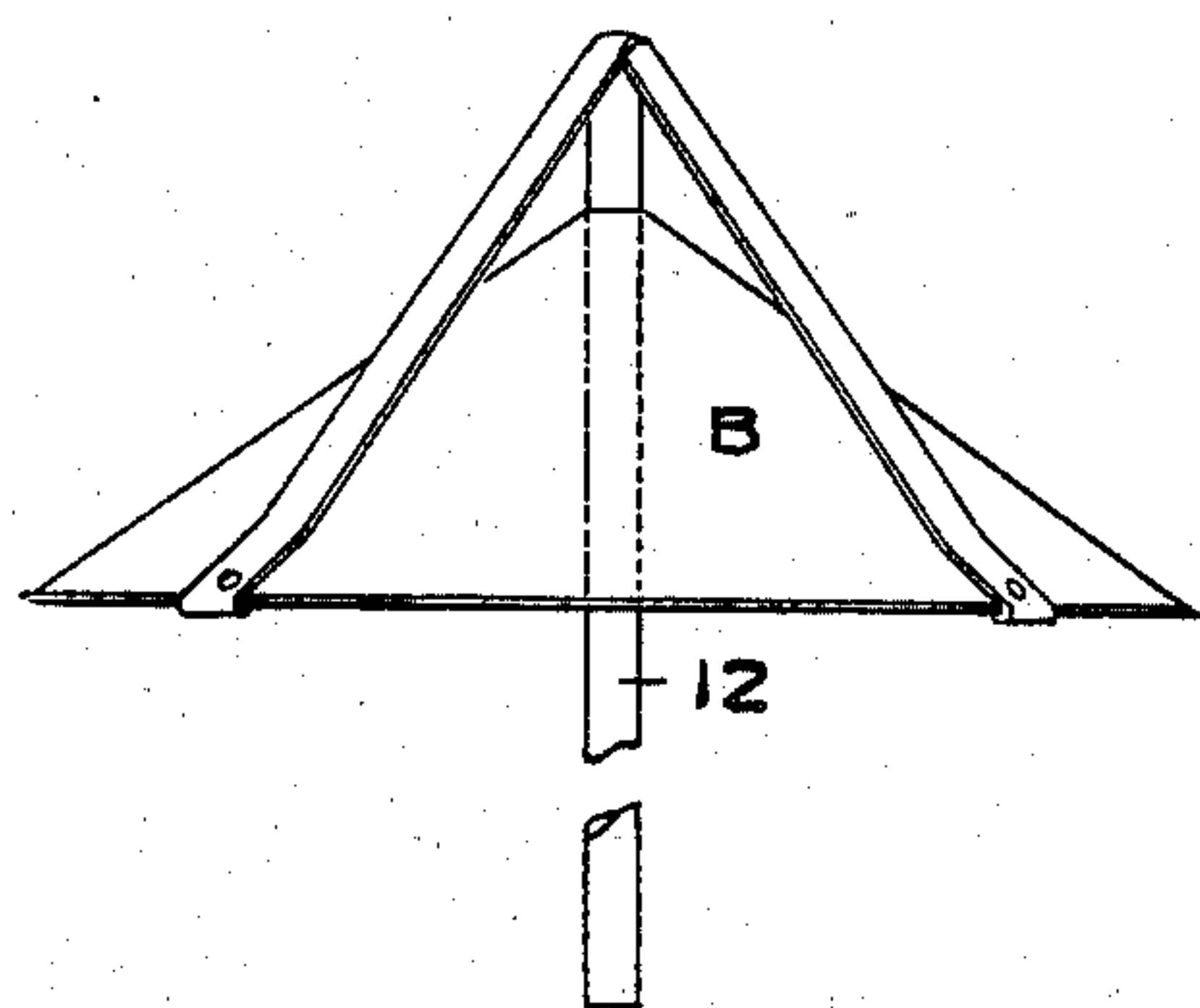
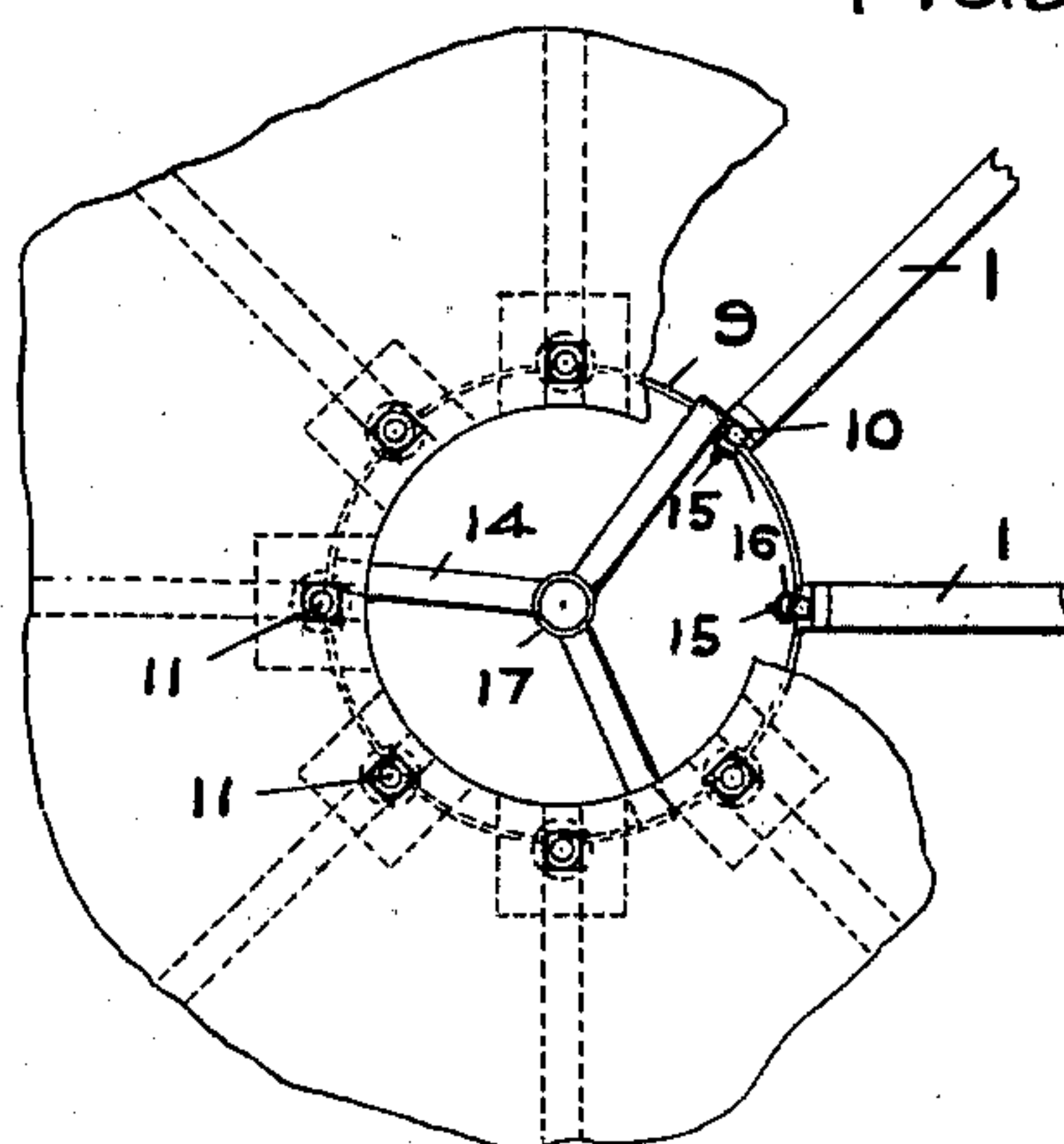


FIG. 9.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

SYRENUS A. MCINTYRE, OF COLORADO SPRINGS, COLORADO.

## SANITARY TENT.

SPECIFICATION forming part of Letters Patent No. 731,319, dated June 16, 1903.

Application filed April 24, 1902. Serial No. 104,535. (No model.)

*To all whom it may concern:*

Be it known that I, SYRENUS A. MCINTYRE, a citizen of the United States, and a resident of Colorado Springs, in the county of El Paso and State of Colorado, have invented a new and useful Improvement in Sanitary Tents, of which the following is a specification.

My invention relates to an improvement in sanitary tents.

It has several objects, one of which is to insure perfect ventilation and an even distribution of fresh air without drafts. Another object is to prevent dampness, and still another is to afford plenty of well-diffused light. Still another object is to provide a tent of such form and construction that it may be easily taken down or erected and one capable of being packed in compact space for transportation or storage.

With these several objects in view my invention consists in certain novel features of construction and combinations of parts, which will be hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a top plan view. Fig. 2 is a side elevation, and Figs. 3, 4, 5, 6, 7, 8, and 9 are detail views.

The tent may be of circular or polygonal form, and the preferred form is octagonal. The base is made up of a series of radiating sills A A, of which there are eight when the base is octagonal in form. Of course the number of sills is of little consequence. Erected from the several angles of the base are the uprights 1 1, their form of course being varied in accordance with the shape to be given the tent elevation, and they are preferably made about as indicated in Figs. 2 and 7. These uprights are held securely in place by means of angle-irons 2 2 or their equivalents, bolted in place, as shown in Figs. 3 and 4. Beams 3 3 of much less cross-sectional area than the sills connect the sills, thus forming a rigid framework and at the same time an air or ventilating space entirely around the outer edge of the base through into the interior of the tent for supplying and distributing air therinto. This space is covered with gauze or netting 4, thus securing a gradual inflow of pure air without draft and at the same time excluding insects and vermin. The edges of this gauze or netting may be held down by

beading-strips 5 5, and the opening between these strips covered by the gauze or netting may be covered, if desired, at any time by slats 6 6, as shown in Figs. 1 and 3. Over the bottom the flooring 7 7 is secured, as shown in Figs. 1 and 3. A tie-bar 8 is securely bolted to the upper end of each upright, and these bars are threaded at the upper end, as at 10. These threaded ends pass through the gromet-holes of the canvas and nuts 11 screwed on them hold the canvas in place. A threaded pin 15 projects horizontally from each tie-bar. A ring 9 (shown in Figs. 6 and 9) is provided with holes 10' 10', one for each of these threaded pins 15 of the tie-bar, the latter being inserted therein and held in place by nuts 16 16, screwed thereon. This open ring 9 provides an outlet for foul and heated air, and it is covered over by a hood B, the stem 12 of which is stepped at its lower end in a bearing 13 at the lower end of straps 14, depending from the ring 9, and the upper end of which turns freely in bearing 17 at the opposite ends of the straps 14. This hood may be raised or lowered to increase or decrease the circulation, as occasion may require it.

From the foregoing it will be seen that a rigid frame is provided from base to top and the entire framework is covered over with canvas in the usual manner, as shown at 15'. (See Figs. 1 and 2.)

It is obvious that the tent may be erected or dismantled with equal facility; also, that its construction is such that it excludes dampness, insects, vermin, and dust. It insures an even circulation and distribution of air, and, in short, makes a thoroughly sanitary habitation for tent life, especially for health purposes, where plenty of fresh air and diffused light are the desideratum.

It is evident that slight changes might be resorted to in the form and arrangement of the several parts described without departure from the spirit and scope of my invention, and hence I do not wish to limit myself to the exact construction herein set forth; but,

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

1. The combination in a tent, with a fabric covering, of a flooring, rigid uprights detachably fastened to the floor at their lower ends,



the uprights constituting the framework for the sides and roof of the tent, independent tie-bars secured to the uprights, and forming extensions thereof and an unsupported ring  
 5 removably secured to the bars, the fabric covering removably secured to the extended ends of the tie-bars.

2. The combination in a tent, with a fabric covering, of a floor, uprights removably secured thereto at their lower ends, the uprights constituting a rigid integral framework for the sides and roof of the tent, tie-bars secured to the uprights, pins laterally projecting from the tie-bars, a frame provided with apertures within which the pins are received, the frame provided with a depending bracket having a plurality of bearings formed therein and a hood, the hood provided with a stem adjustably received in the  
 10 15 20 bearings.

3. The combination, in a tent, with a fabric covering having gromet-holes formed therein, of a floor, uprights removably secured to the floor at their lower ends, tie-bars secured to the uprights, the upper ends of the tie-bars being threaded and extending above the upper ends of the uprights, the upper ends of the tie-bars received in the gromet-holes in the fabric covering, laterally-projecting  
 25 30 threaded pins rigidly secured to the tie-bars, a ring provided with apertures in which the pins are received and nuts received upon the threaded pins for retaining the ring in place.

4. In a tent, the combination with a base, and uprights secured thereto, the uprights having both upwardly and laterally projecting pins located thereon, of a ring provided with apertures in which the laterally-projecting pins are received, means for securing the  
 35 40 pins and ring together, and a fabric covering provided with gromet-holes, the upwardly-projecting pins received in the gromet-holes.

5. In a tent, the combination with a base,

and uprights secured thereto, the uprights having both upwardly and laterally projecting threaded pins located thereon, of a ring provided with apertures in which the laterally-projecting pins are received, a fabric covering provided with gromet-holes, the upwardly-projecting pins received in the gromet-holes, and nuts screwed upon the threaded pins to removably secure the ring and the fabric covering upon the pins. 45 50

6. In a tent, the combination with a flooring, of uprights secured at their lower ends to the flooring, the uprights constituting the framework for the sides and roof of the tent, tie-bars secured to the uprights, means for rigidly connecting the tie-bars with one another, a fabric covering having gromet-holes formed therein, the tie-bars received in the gromet-holes and means for removably securing the fabric covering upon the tie-bars. 55 60

7. In a tent, the combination with a fabric covering, of a portable flooring provided with an air-space, uprights removably fastened to the flooring, tie-bars secured to the uprights and removable means for rigidly connecting the tie-bars with one another, the fabric covering removably secured to the structure. 65 70

8. In a tent, a framework therefor comprising a base, uprights supported upon the base, tie-bars formed independently of the uprights, and secured thereto, pins projecting from the tie-bars, means received upon and rigidly connecting the pins with one another and securing means for removably retaining the rigid connecting means upon the pins. 75

In testimony whereof I have signed this specification in the presence of two subscribing witnesses. 80

SYRENUS A. MCINTYRE.

Witnesses:

H. E. BOATRIGHT,  
 ROBERT KERR.