

No. 715,572.

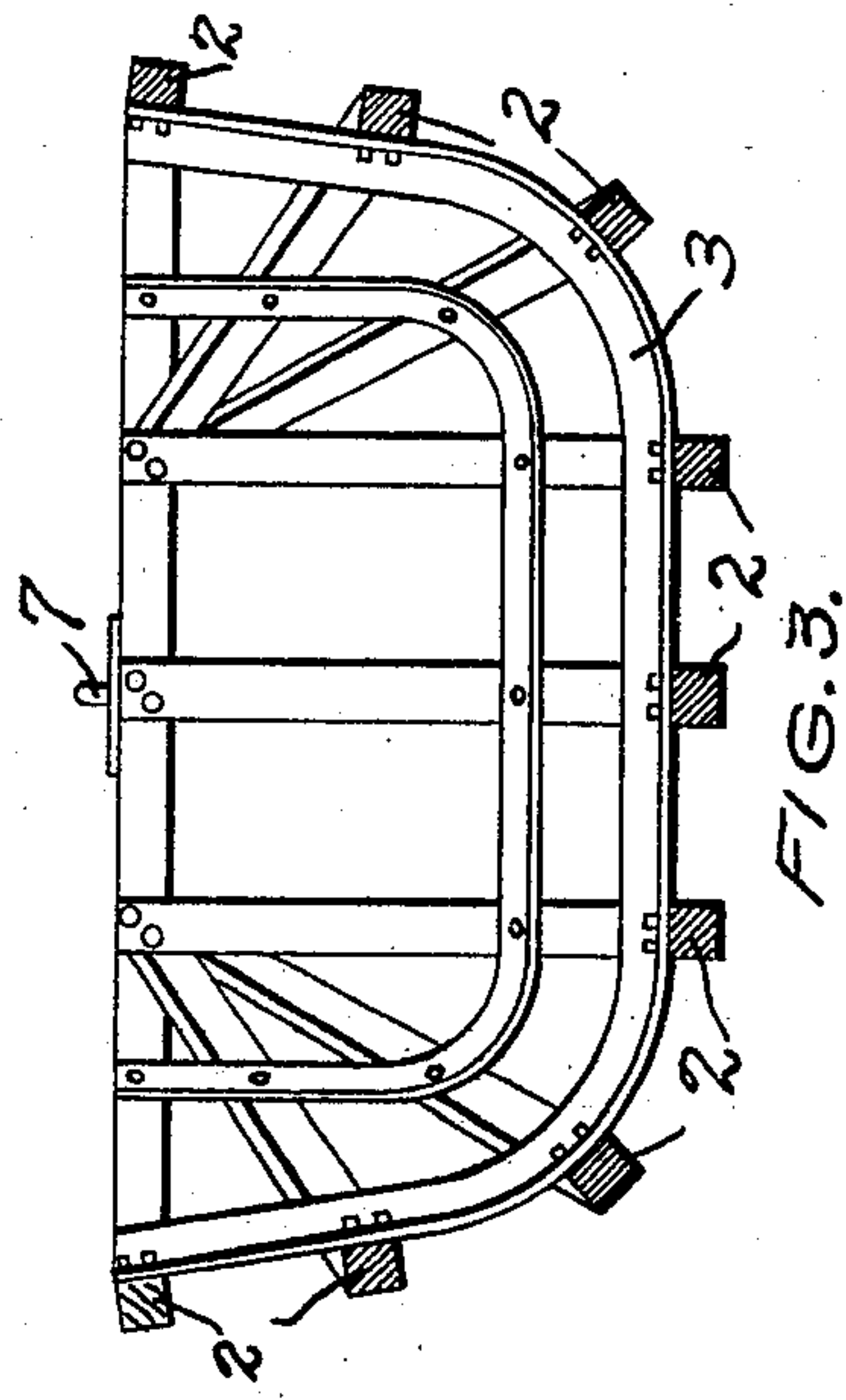
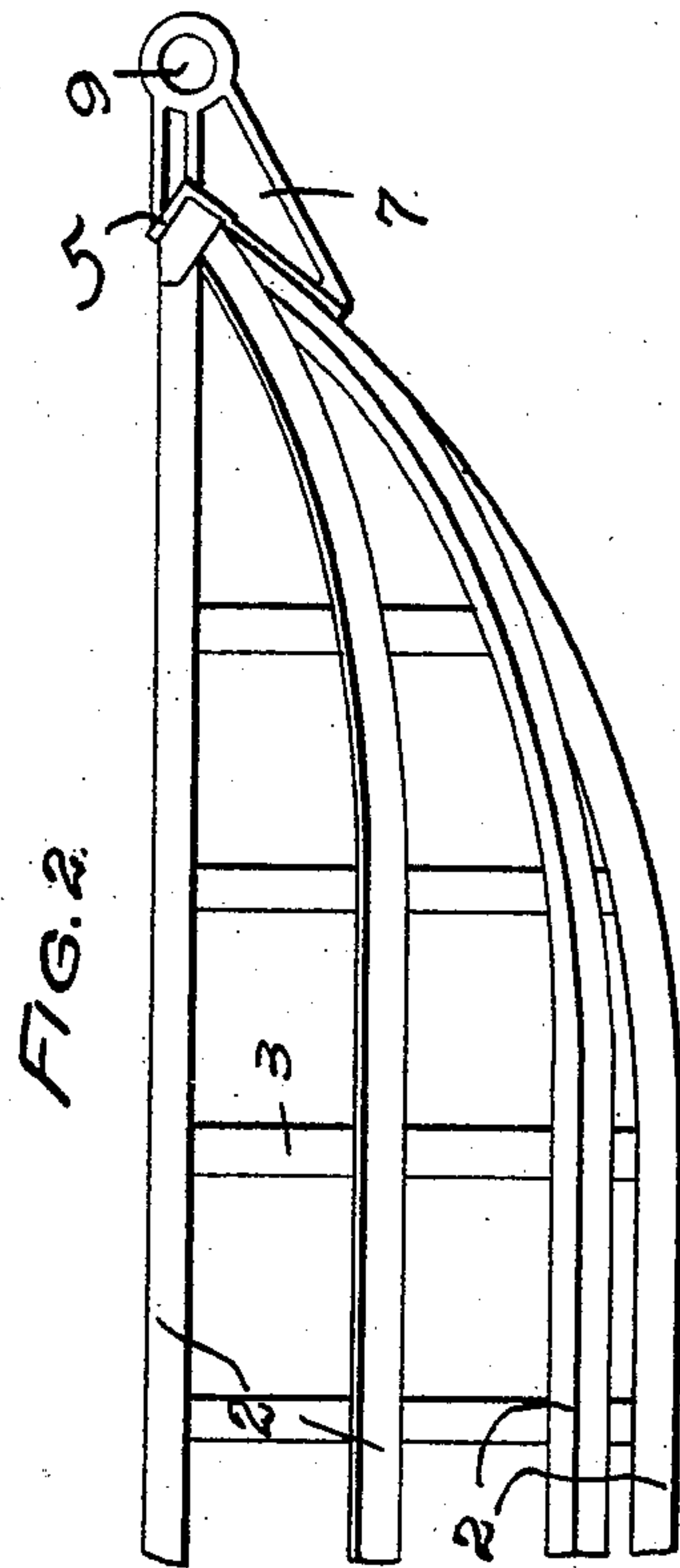
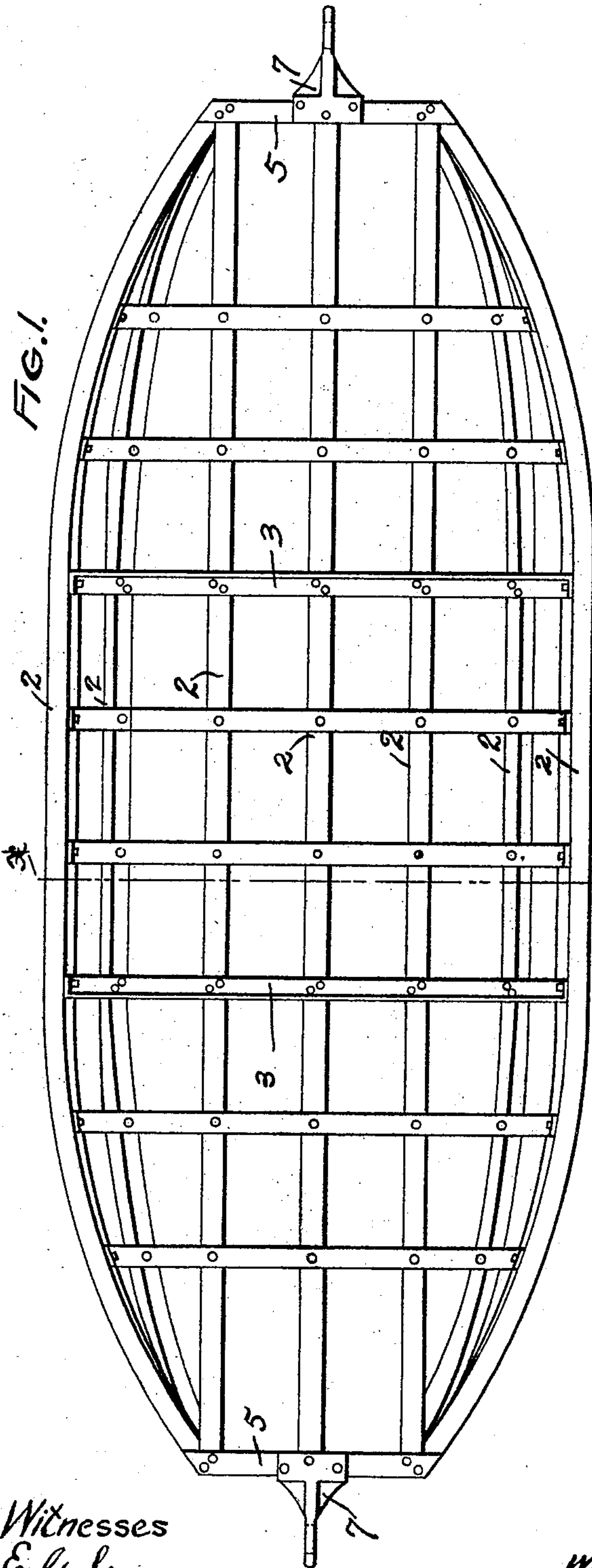
Patented Dec. 9. 1902.

W. C. GREGG.

PORTABLE CRADLE FOR HAULING AND HANDLING SUGAR CANE.

(Application filed May 9, 1902.)

(No Model.)



Witnesses
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UNITED STATES PATENT OFFICE.

WILLIAM C. GREGG, OF MINNEAPOLIS, MINNESOTA, ASSIGNOR TO WILLIAM C. GREGG & CO., OF MINNEAPOLIS, MINNESOTA, A CORPORATION.

PORTABLE CRADLE FOR HAULING AND HANDLING SUGAR-CANE.

SPECIFICATION forming part of Letters Patent No. 715,572, dated December 9, 1902.

Application filed May 9, 1902. Serial No. 106,548. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM C. GREGG, of Minneapolis, Hennepin county, Minnesota, have invented certain new and useful Improvements in Portable Cradles for Hauling and Handling Sugar-Cane, of which the following is a specification.

This invention relates to improvements in cradles designed to be used for hauling and handling sugar-cane, and particularly to be used on ground that is provided with irrigating-ditches where an ordinary wagon or wheeled vehicle cannot conveniently be used.

The invention consists generally in the constructions and combinations hereinafter described, and particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, Figure 1 is a plan view of a cradle embodying my invention. Fig. 2 is a partial side elevation. Fig. 3 is a transverse section on line *xx* of Fig. 1.

My improved cradle is of the shape of a boat, its opposite ends being alike and the cradle tapering toward each end.

In the drawings, 2 represents a series of longitudinal bars or strips, preferably formed of hard wood and arranged at a suitable distance apart.

3 represents bow-shaped ribs, two or more of which are preferably formed of angle-iron and arranged at a suitable distance apart. The bars or strips 2 are secured to the ribs 3, and after passing said ribs the bars or strips are turned inward and upward and their ends are secured to a suitable angle-iron bar 5. This gives the cradle upward and inward curved ends and causes both ends to be alike.

A suitable bracket or casting 7, having preferably an eye 9, is secured centrally to each end of the cradle. This casting provides means by which the cradle may be hooked onto for the purpose of drawing it over the ground in gathering the sugar-cane. These two castings also provide means by which the cradle may be connected to a suitable hoisting apparatus and after being raised to a sufficient height may be tilted, so as to discharge the contents of the cradle into a suitable car or receptacle.

The cradle thus formed is very light and capable of being easily handled. At the same time it is strong and durable and will pass

readily over irrigating-ditches or over any uneven places in the surface of the ground. The sugar-cane may be piled up in the cradle, and when it has been filled it may be drawn alongside of a suitable hoisting apparatus, and suitable hoisting-ropes being connected to the eyes in the bracket or casting 7 the cradle may be hoisted, both ends being raised simultaneously and carried over a suitable car or other receptacle, and when brought to the proper position the cradle may be tilted, so as to discharge its contents.

I have described and claimed in another application of even date herewith a hoisting apparatus designed particularly for hoisting the cradle shown and described in this application and moving it into position over a car or other receptacle.

I do not limit myself to the details of the construction, as it is apparent that the same may be varied in many particulars without departing from my invention.

I claim as my invention—

1. The herein-described cradle for hauling and handling sugar-cane, formed of a series of longitudinal bars arranged at suitable distances apart and having their ends turned inwardly and upwardly, and a suitable bracket or casting secured centrally upon each end of said cradle, substantially as described.

2. The combination, in a device of the class described, with the bow-shaped bars or ribs 3, of the longitudinal bars 2, secured to the said ribs 3 and having their ends turned inwardly and upwardly, the bars 5 to which the ends of the bars 2 are secured, and a centrally-arranged bracket or casting 7 on each end of said cradle, substantially as described.

3. The combination, with the bow-shaped bars 3, of the series of longitudinal bars 2 secured to said bars 3 at suitable distances apart, and having their ends turned upwardly and inwardly, the transverse bars 5 to which the ends of the bars 2 are secured, and the centrally-arranged brackets or castings 7 secured to each of said bars 5 and provided with suitable eyes 9, substantially as described.

In witness whereof I have hereunto set my hand this 28th day of April, 1902.

WILLIAM C. GREGG.

In presence of—

A. C. PAUL,
C. G. HANSON.