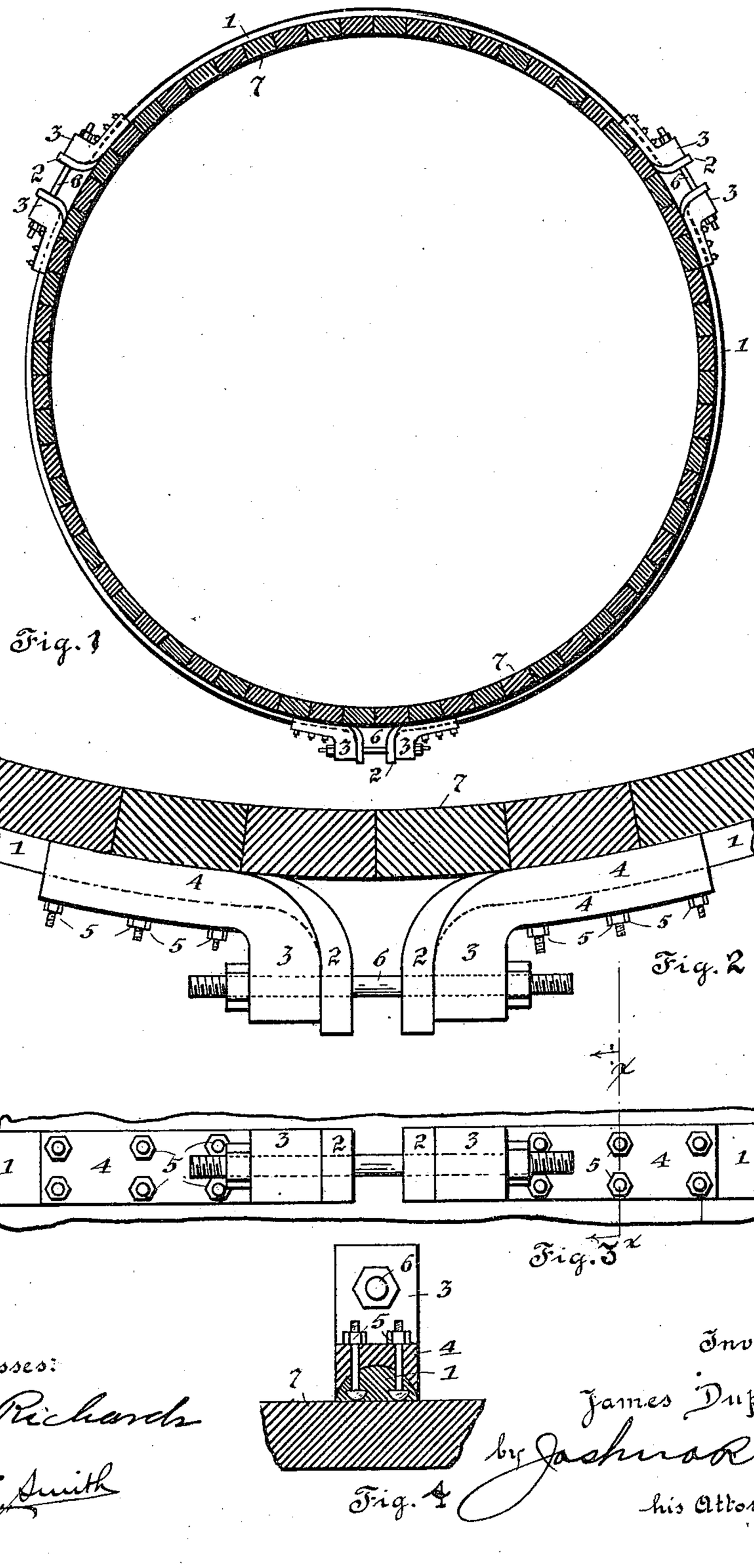
J. DUPREE.

HOOP.

APPLICATION FILED DEC. 29, 1909.

975,679. Patented Nov. 15, 1910.




Witnesses:

B. G. Richards

W. C. Smith

Inventor:

James Dupree,

by Jasmon & Harris

his Attorney.

# UNITED STATES PATENT OFFICE.

JAMES DUPREE, OF CHICAGO, ILLINOIS.

## HOOP.

975,679. Specification of Letters Patent. Patented Nov. 15, 1910.

Application filed December 29, 1909. Serial No. 535,534.

*To all whom it may concern:*

Be it known that I, JAMES DUPREE, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Hoops, of which the following is a specification.

My invention relates to improvements in hoops and has for its object the production of a hoop especially adapted for use on water tanks which is of strong and durable construction and efficient in operation.

The invention consists in the combination and arrangement of parts hereinafter described and claimed.

The invention will be best understood by reference to the accompanying drawings forming a part of this specification, and in which,—

Figure 1, is a horizontal section of the tank, Fig. 2, an enlarged partial horizontal section of the tank illustrating a hoop joint, Fig. 3, an elevation of Fig. 2, and Fig. 4, a section on line *x*—*x* of Fig. 3.

The preferred form of construction as illustrated in the drawing comprises hoop sections 1 substantially semi-cylindrical in cross section and provided with outwardly turned ends 2, three of said sections being employed in forming one hoop. Reinforcing blocks are secured to each end of each of said sections, the said blocks comprising members 4 adapted to closely fit over the outsides of hoop sections 1, to which they are secured by means of bolts 5. The bolts 5 are countersunk into the inner side of hoop sections, as shown, to permit said sections to contact closely with the sides of the tank. Bolts 6 are passed through ends 2 and blocks 3 to secure the ends of said hoop sections together. The hoops are applied to tank 7 by means of bolts 6. The end joint formed by the outwardly turned ends of the hoop sections and the reinforcing blocks constitutes a strong and durable joint for the purpose and the semi-cylindrical shape of the hoop sections permits rain-water to run off readily and not seat into the space between the hoops and tank to rot the staves of the latter.

While I have illustrated and described the preferred form of construction for carrying my invention into effect this is capable of variation and modification without departing from the spirit of the invention. I therefore do not wish to be limited to the exact details of construction set forth, but desire to avail myself of such variations and modifications as come within the scope of the appended claim.

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

A tank hoop comprising hoop sections having flat inner faces and semi-cylindrical outer faces, the ends of said sections being turned outwardly at substantially right angles and the edges thereof thickened to give said ends a rectangular cross section, reinforcing members secured to said sections adjacent each end thereof, each of said members comprising a body portion and an outwardly extending head, said body portion having a concave inner face fitting snugly the outer face of the hoop section adjacent its end and a flat outer face parallel with the inner face of said hoop, bolts extending through said body portion and hoop securing the same together, said head being rectangular in cross section and fitting snugly against the adjacent face of the rectangular outturned ends and the respective heads of the reinforcing members, substantially as described.

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

JAMES DUPREE.

Witnesses:
HELEN F. LILLIS,
JOSHUA R. H. POTTS.