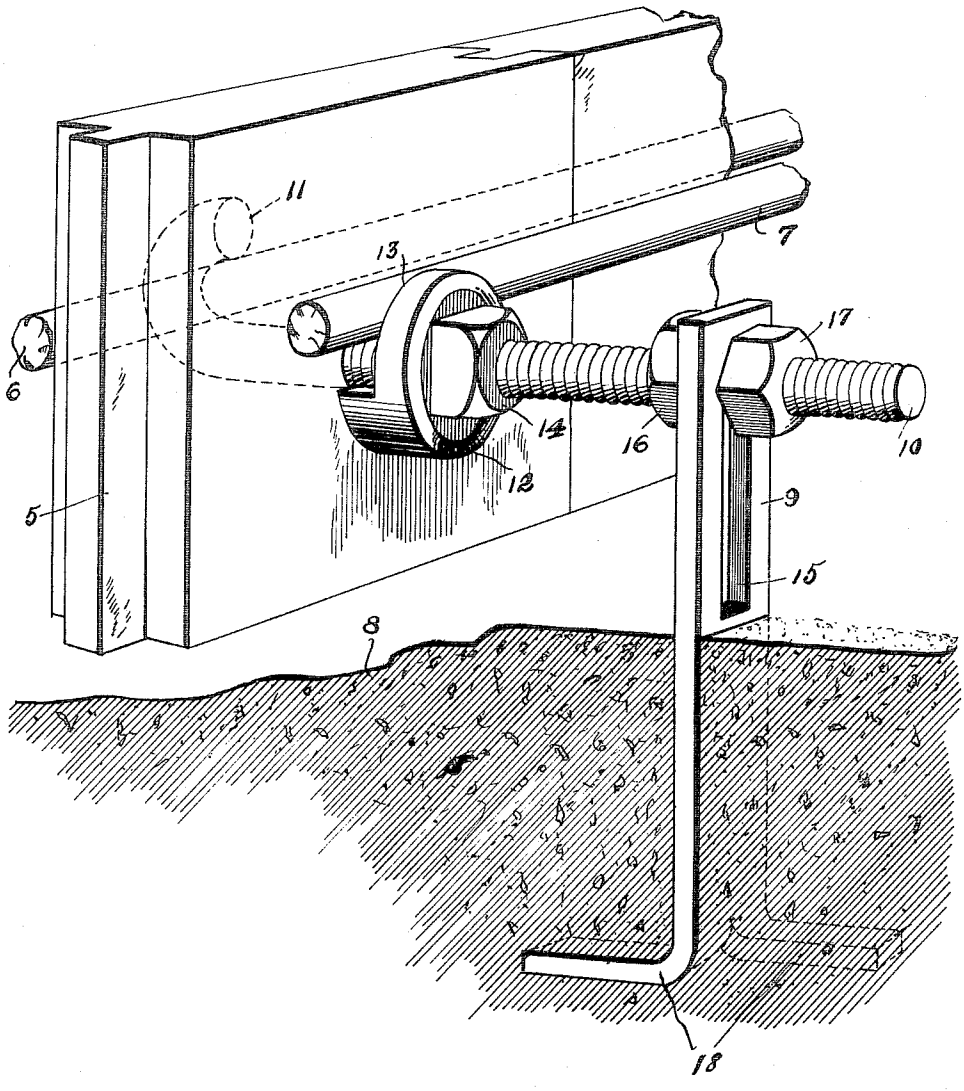
H. B. CURRY.

SILO BASE ANCHOR.

APPLICATION FILED APR. 2, 1919.

1,305,692. Patented June 3, 1919.



Inventor
H. B. Curry.

By Mary A. Schmidt
Attorney

UNITED STATES PATENT OFFICE.

HENRY B. CURRY, OF LOUISVILLE, KENTUCKY.

SILO-BASE ANCHOR.

1,305,692. Specification of Letters Patent. Patented June 3, 1919.

Application filed April 2, 1919. Serial No. 286,837.

To all whom it may concern:

Be it known that I, HENRY B. CURRY, a citizen of the United States, residing at #3101 Portland Ave., Louisville, in the county of Jefferson and State of Kentucky, have invented certain new and useful Improvements in Silo-Base Anchors, of which the following is a specification.

This invention relates to devices for anchoring silos to prevent the same from shifting on the foundation, and the invention has for its object to provide a very simple, efficient and easily applied device of this kind.

The object stated is attained by means of a novel combination and arrangement of parts to be hereinafter described and claimed, and in order that the same may be better understood, reference is had to the accompanying drawing forming a part of this specification.

In the drawing, a perspective view of the device is shown.

Referring specifically to the drawing 5 denotes one of the wooden staves of a silo structure, it being understood that the latter is made of upright staves which are placed in a circle and are maintained in this position by encircling inside and outside hoops 6 and 7, respectively. As this structure is well known, a further description thereof is not deemed necessary. The usual concrete foundation of the silo is shown at 8.

In the foundation 8, on the outside of the silo, is set an anchor post 9 carrying an anchor rod or bolt 10 which passes through an aperture in the stave 5 and has at its inner end a hook 11 which seats over the inside hoop 6. On the outside of the silo, the bolt or rod 10 carries an abutment 12 engageable with the outside hoop 7. This abutment is in the form of a washer seating on one side against the outer face of the stave 5 and having here a top recess 13 providing a seat for the hoop 7. Back of the washer 12, a nut 14 is screwed on the bolt 10 for locking the washer in holding position.

The bolt or rod 10 is secured to the anchor post 9 by being passed through a vertical slot 15 therein, and it is locked in the slot, and also locked against longitudinal movement, by nuts 16 and 17 screwed on the bolt to seat against opposite sides of the anchor post. The slot 15 permits vertical adjustment of the bolt so that it may be properly positioned with respect to the hoops 6 and 7.

The base or that portion of the anchor post 9 which is embedded in the foundation 8 has laterally extending branches 18 to assist in holding the post in place, said branches effectually preventing the post from pulling up out of the foundation.

The device provides a very simple and effective means for securely anchoring the silo to its foundation, and the silo is therefore kept from shifting after it has been erected. It will be understood, of course, that any suitable number of anchoring devices will be provided, this depending on the dimensions of the silo.

I claim:

1. The combination with a silo wall and inside and outside hoops encircling the same; of a post anchored in the silo foundation, and an anchor rod carried by the post and passing through the silo wall, said rod having holding means engageable with the hoops of the silo, the holding means which engages the outside hoop being adjustable on the rod.

2. The combination with a silo wall and inside and outside hoops encircling the same; of a post anchored in the silo foundation, an anchor rod carried by the post and passing through the silo wall, said rod having a hook which engages the inside hoop, and an abutment on the rod adjustable thereon to engage the outside hoop.

3. The combination with a silo wall and inside and outside hoops encircling the same; of a post anchored in the silo foundation, and a vertically adjustable anchor rod carried by the post and passing through the silo wall, said rod having holding means engageable with the hoops of the silo.

In testimony whereof I affix my signature.

HENRY B. CURRY.