

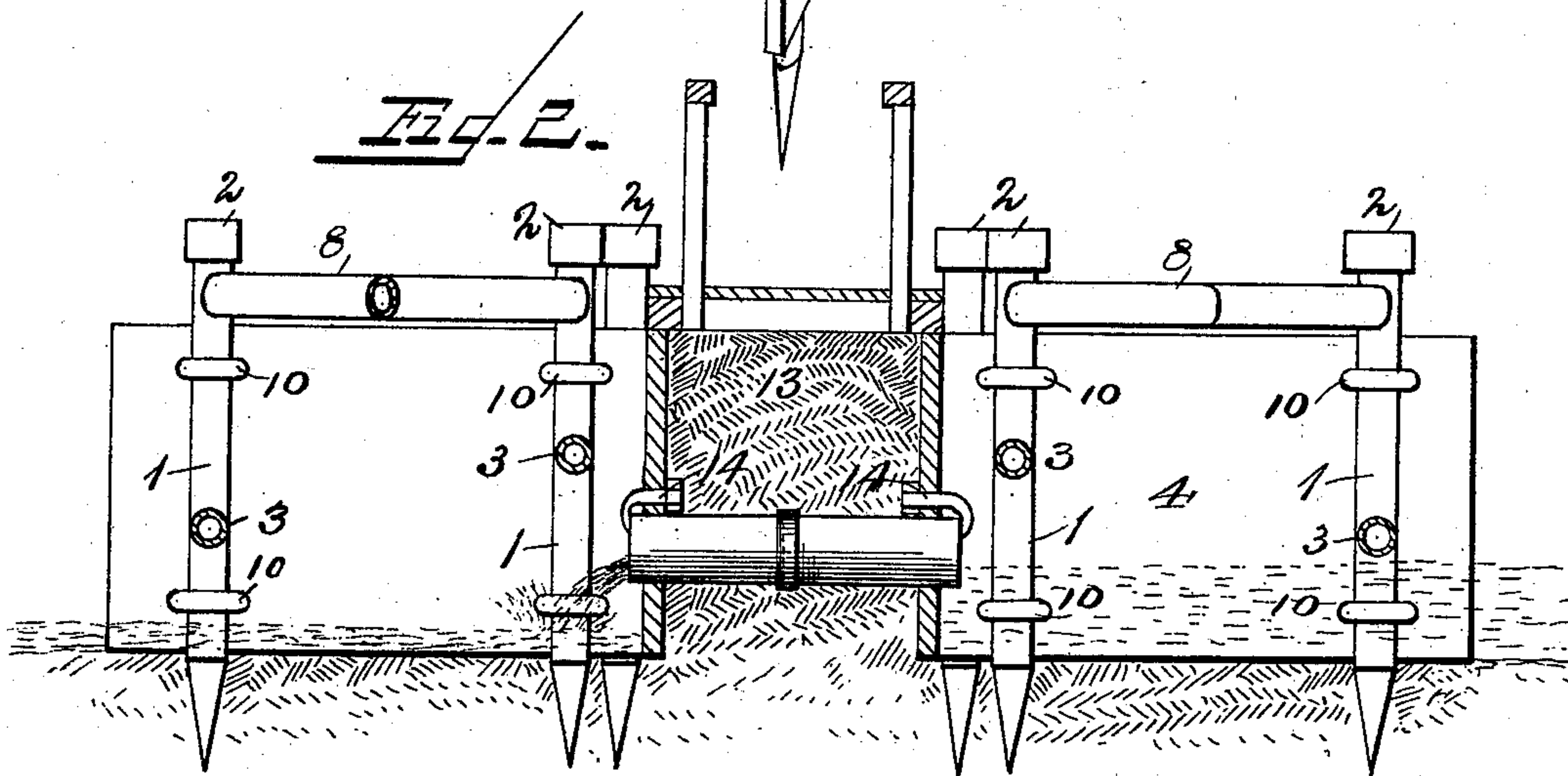
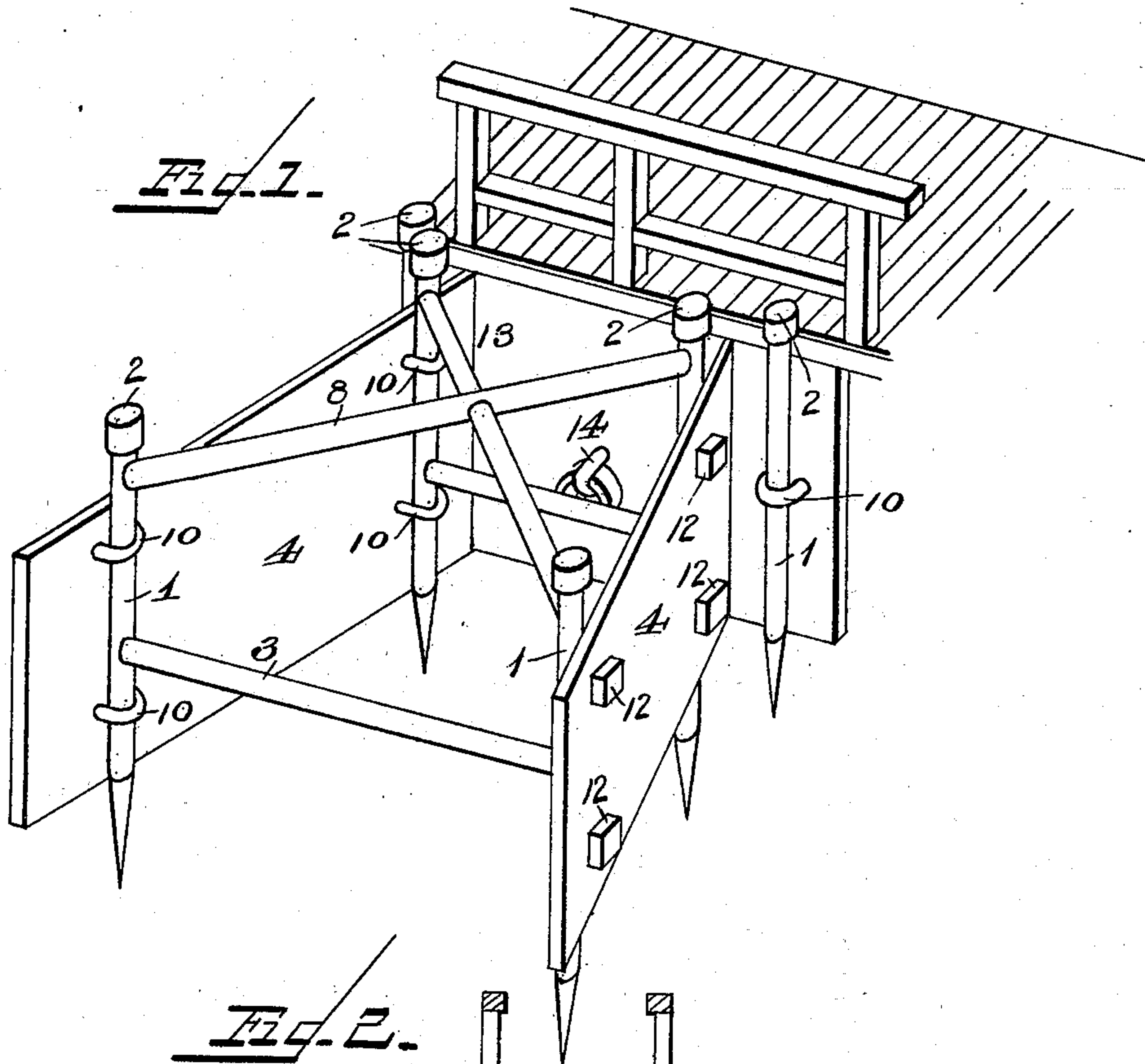
No. 624,339.

Patented May 2, 1899.

J. M. JONES.
WING SUPPORT FOR BRIDGES.

(Application filed Dec. 27, 1898.)

(No Model.)



WITNESSES:
Frank L. Ourand.
W. L. Corbly.

INVENTOR:
John M. Jones
BY
Sam. Baggett & Co.
ATTORNEYS.

UNITED STATES PATENT OFFICE.

JOHN M. JONES, OF HEYWORTH, ILLINOIS.

WING-SUPPORT FOR BRIDGES.

SPECIFICATION forming part of Letters Patent No. 624,339, dated May 2, 1899.

Application filed December 27, 1898. Serial No. 700,439. (No model.)

To all whom it may concern:

Be it known that I, JOHN M. JONES, a citizen of the United States, residing at Heyworth, in the county of McLean and State of Illinois, have invented new and useful Improvements in Wing-Supports for Bridges, of which the following is a specification.

My invention relates to wing-supports and sewer-pipe seats to be used in connection with bridges; and its object is to provide an improved construction of the same with means for holding a sewer-pipe.

The invention consists in the novel construction and combination of parts hereinafter fully described and claimed.

In the accompanying drawings, Figure 1 is a perspective view of a wing-support for bridges, streams, or gullies. Fig. 2 is a longitudinal sectional view of the same.

In the said drawings the reference-numeral 1 designates a number of piles or posts consisting of pieces of gas-pipe of suitable length, pointed at the lower ends, so as to be easily driven into the ground, and provided at the upper ends with caps 2 for preventing injury to the same in being driven. These points are driven into the ground at suitable intervals apart at each side of the bridge and are arranged in inclined lines—that is to say, they contract as they approach the bridge and expand as they recede therefrom, as will be clearly seen in Fig. 1. These posts are braced by means of cross rods or bars 3, which may also be made of gas-pipe. Secured to said posts are walls 4, preferably consisting of sheet metal, which serve to prevent the caving in of the earth at the ends of the bridge.

The wings 4 are secured to the posts 1 by means of clips 10, provided with nuts 12, which may be loosened should the banks of the stream wash out at the lower edges of the

wings to allow the latter to be driven down, so as to compensate for such washing away, after which the nuts are tightened.

The numeral 8 designates inclined or diagonal brace-bars.

The numeral 13 designates the front, which is secured to the front ends of the wings and projects beyond the same at each end. This front is provided with a hole for the passage of a sewer-pipe, which is held in place by a hook 14. Connected with this pipe are similar pipes which extend under the bridges at a right angle thereto. These wing-supports are located at each side of the bridge, and the water from one side is carried through the sewer-pipes to the opposite side of the bridge. When the sewer-pipes are used, the bridge may be dispensed with and the bed of the stream or gully between the two supports be filled in with earth or other material.

Having thus fully described my invention, what I claim is—

1. In a wing-support or bank-protector, the combination with the posts and cross and diagonal brace-bars connected together to form a rigid frame, of the adjustable wings, substantially as described.

2. In a wing-support or bank-protector and sewer-seat, the combination with the posts and the cross and diagonal brace-bars, of the wings secured to said posts, the front, the sewer-pipes and the hook engaging with one of the pipes, projecting through said front, substantially as described.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

JOHN M. JONES.

Witnesses:

ROLLA M. DARST,
LOUIS C. DILLINGHAM.