

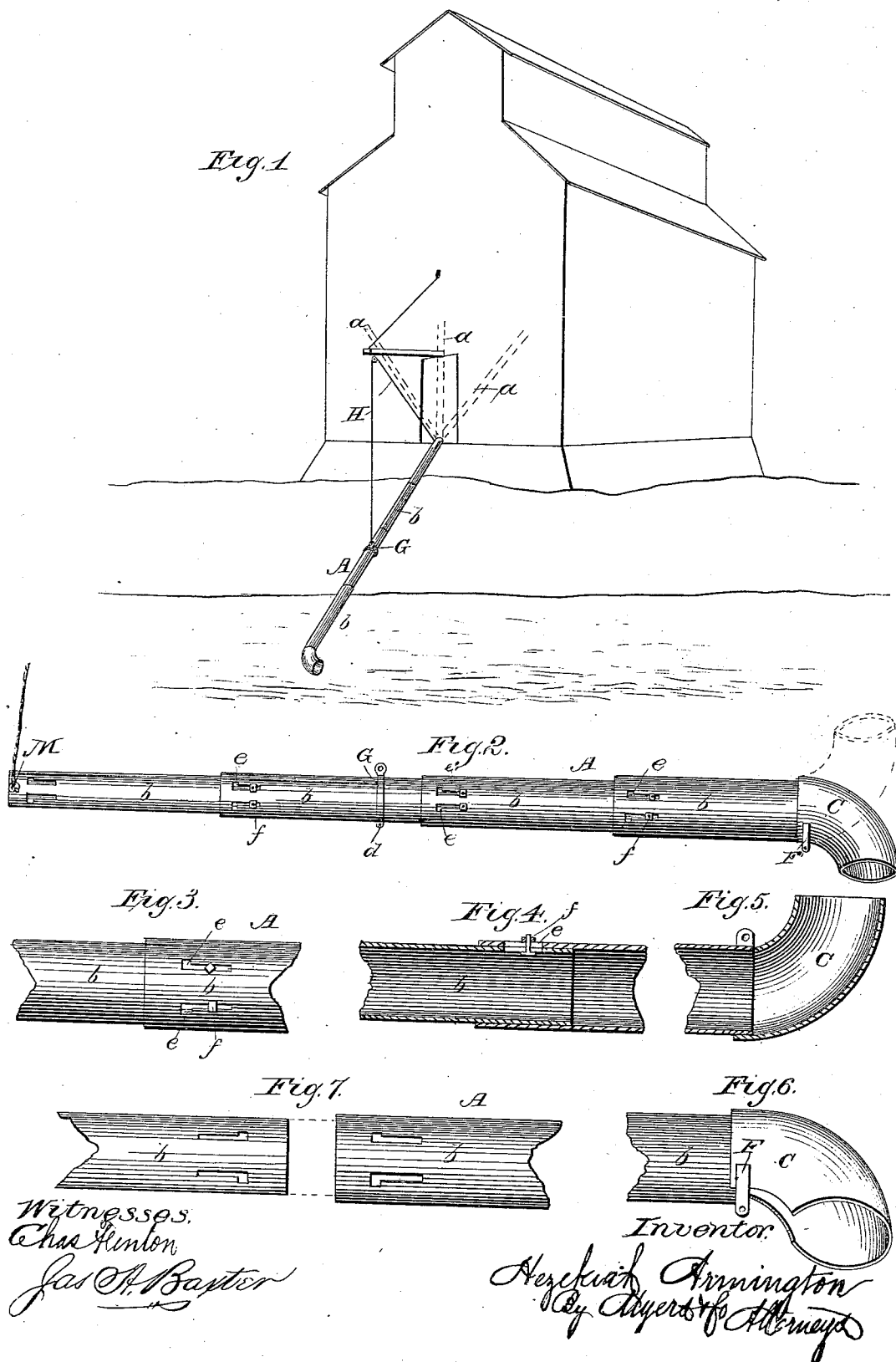
(No Model.)

H. ARMINGTON.

GRAIN ELEVATOR.

No. 259,457.

Patented June 13, 1882.



UNITED STATES PATENT OFFICE.

HEZEKIAH ARMINGTON, OF ATLANTA, ILLINOIS.

GRAIN-ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 259,457, dated June 13, 1882.

Application filed April 29, 1882. (No model.)

To all whom it may concern:

Be it known that I, H. ARMINGTON, a citizen of the United States, residing at Atlanta, in the county of Logan and State of Illinois, have invented certain new and useful Improvements in Grain-Elevators, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in grain-elevators; and it consists in such construction of the elevator-spout as admits it being readily adjusted and adapted to varying altitudes and positions to suit the place of receiving and depositing the grain.

In the drawings, Figure 1 is a view in perspective, showing the entire machine. Fig. 2 is a longitudinal section, and Figs. 3, 4, 5, 6, and 7 are detail views, thereof.

A represents a spout formed in sections *b b*, having the branch spouts *a a a*, which connect therewith. The sections of the spout are constructed and arranged to telescope together.

The sections are respectively also provided with the right-angular slots *e e*, which, in connection with the bolts *f f*, are employed for shortening the length of the spout. The spout is shortened by telescoping the joints, which are dissimilar in diameter, as shown, whereupon the head of the bolt is passed through two or more sections of the pipe, the head of each bolt being passed through the enlarged part of the slot at *e*, and its shank into the narrow slot *e'* adapted as to size for its reception, and it is then secured by nuts, as shown in Fig. 4. By this means the spout may be lengthened or contracted as the tide in loading boats and the distance in loading cars on low or high side tracks may require.

C, in Figs. 2, 5, and 6, designates an elbow of the spout, which is connected by a swivel-

joint to band F, the band being secured by a bolt which admits the elbow to be shifted, in order that the grain may be directed in any required direction from the spout. The elbow is also open on the inner curve to permit it to be spread or contracted to any desired position. The rope and pulley H are attached to the spout by the band G. Band G is secured by a bolt and nut, and it is composed of two equal parts hinged at *d*, which permits it being readily adjusted to any part of the spout.

The rope and pulley H are designed for adjusting the spout to any required position and holding it in such position, and for withdrawing it from outside the building when unused.

The ring M has a rope attached thereto, and this is employed for retaining the spout in position, and for withdrawing it from outside the building when desirable, as shown in Fig. 8.

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

1. The combination of sections having right-angular slots *e* and bolts *f*, substantially as shown, and for the purpose described.

2. The combination of the sections, bolts *f*, and swivel-jointed elbow C, substantially as shown, and for the purpose described.

3. The combination of the swivel-jointed elbow C, band G, and sections, substantially as shown, and for the purpose described.

4. The combination of the sections *b b*, band G, and ring M, substantially as shown, and for the purpose described.

In testimony whereof I affix my signature in presence of two witnesses.

HEZEKIAH ARMINGTON.

Witnesses:

EDMUND HILL,
I. I. WILLIAMS.