(No Model.)

G. P. ANDERTON.

LEVEE AND DAM STRUCTURE.

No. 492,704. Patented Feb. 28, 1893.

Fig. 1.

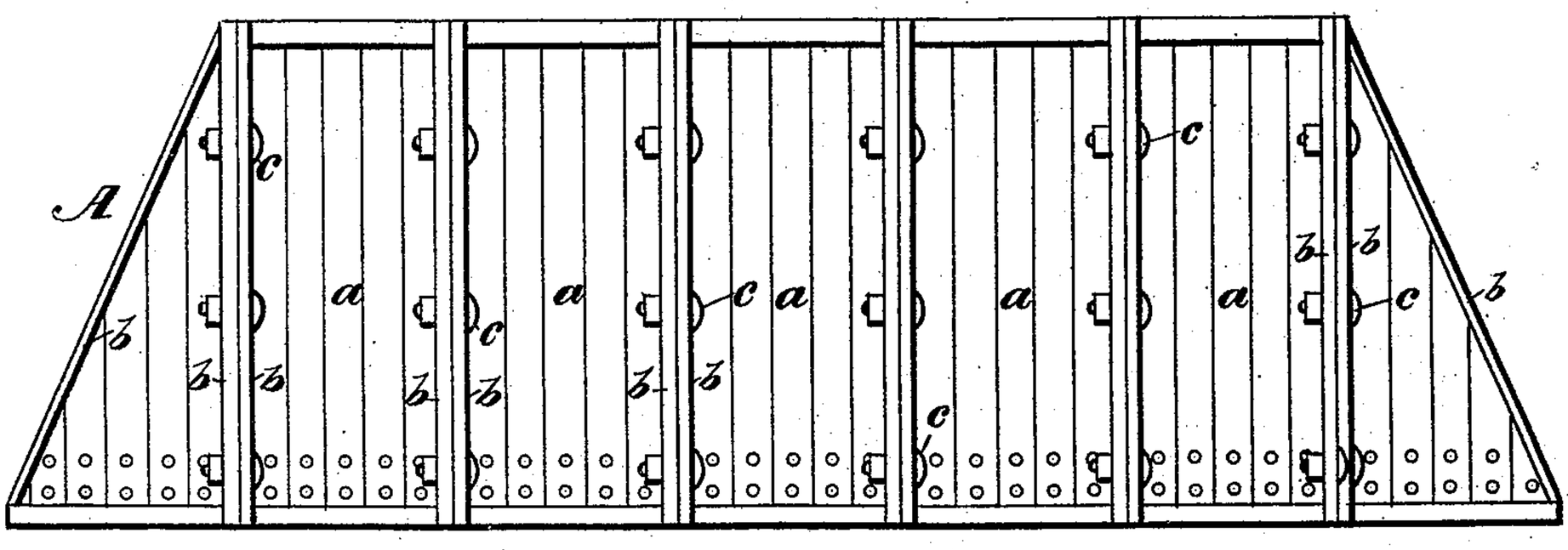


Fig. 2.

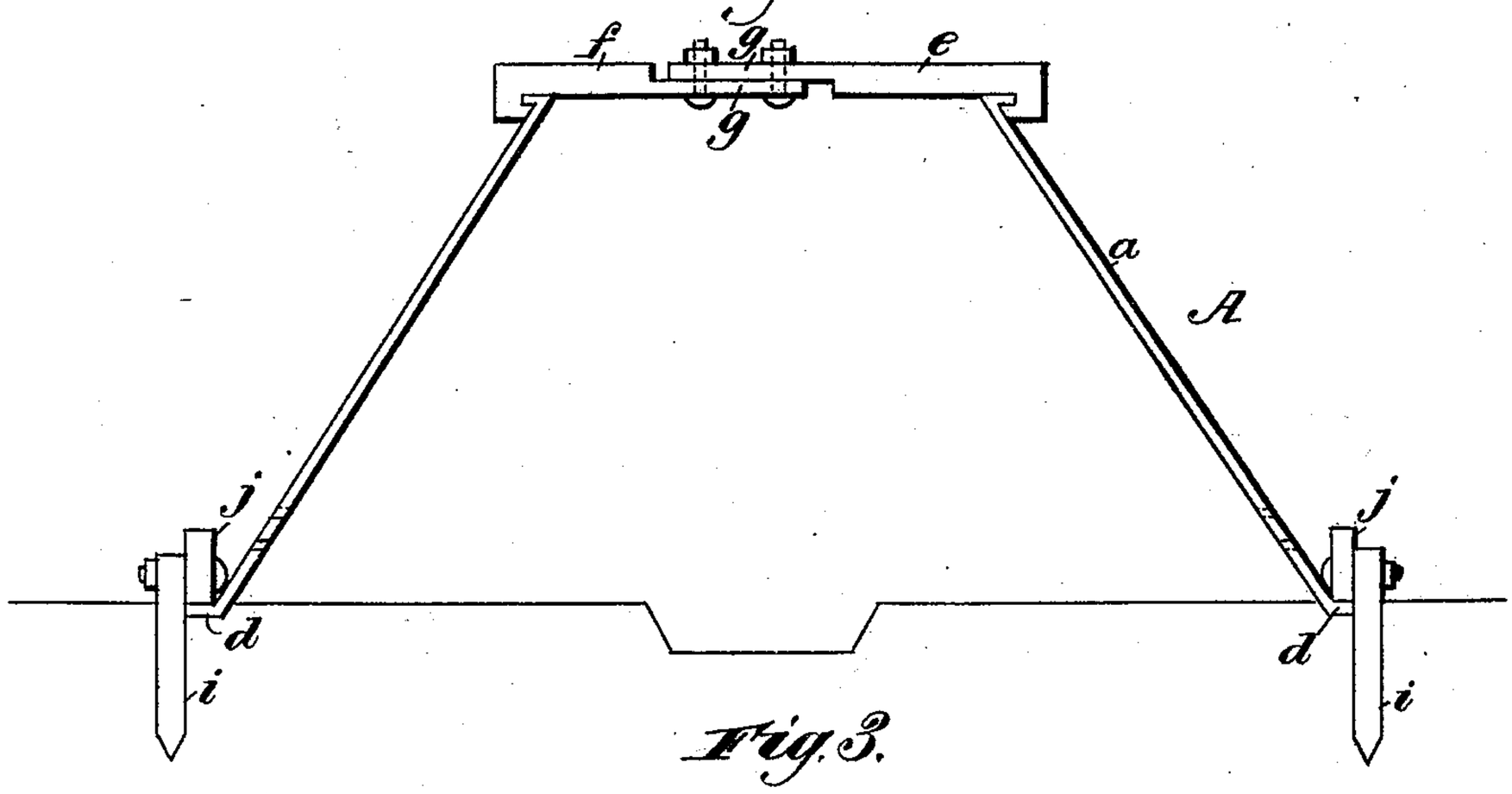
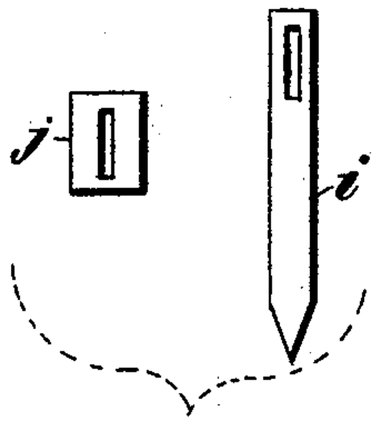


Fig. 3.



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UNITED STATES PATENT OFFICE.

GEORGE P. ANDERTON, OF CONCESSION, LOUISIANA.

LEVEE AND DAM STRUCTURE.

SPECIFICATION forming part of Letters Patent No. 492,704, dated February 28, 1893.

Application filed August 6, 1892. Serial No. 442,375. (No model.)

To all whom it may concern:

Be it known that I, GEORGE P. ANDERTON, a citizen of the United States, residing at Concession, in the parish of Plaquemines and State of Louisiana, have invented certain new and useful Improvements in Levee and Dam Structures; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters of reference marked thereon.

My invention relates to apparatus for constructing repairing or enlarging levees, dams, embankments &c., and it consists in the novel construction and combination of parts hereinafter described and claimed, reference being made to the accompanying drawings, in which—

Figure 1, is a side elevation of my improved apparatus, and Fig. 2, is an end view thereof. Fig. 3 is an enlarged detail showing the devices for securing the apparatus in position.

In the said drawings the reference letter A, designates a boxing whose sides are composed of a plurality of sections *a*, to facilitate handling. These sections may be made of wood, iron or other suitable material and of any desired or convenient shape. The adjacent vertical sides of each of the sections *a* is provided with a laterally extending flange *b*, having coincident holes for the reception of bolts *c* or other suitable devices for securing the sections together. The sides of the boxing are inclined as shown in the drawings, and the inclination may be varied at will. The lower portion of each section is turned outwardly to form flanges *d*.

The letters *e*, *f*, represent the top pieces of the box, each of which is formed at its inner end with a portion *g* thinner than the rest thereof, which portions *g* are provided with elongated slots through which pass bolts or other devices *h* for securing the sections *e*, *f*, together and enabling them to be adjusted to and from each other as circumstances may require. These top pieces or sections are secured to the sides of the box by a suitable interlocking engagement as shown in the drawings.

A suitable number of the sections *a* having been secured together according to the length of levee, dam or other structure to be built and the top pieces or sections having been adjusted according to the width of the crown of such structure, the box A, is firmly secured in position in the following manner—Stakes *i* provided with elongated slots are driven into the earth directly in front of the flanges *d* at suitable intervals along the sides of the box; chocks *j*, also having elongated slots are placed upon the said flanges *d* and secured to the stakes *i* by means of bolts or other convenient devices. By providing the stakes *i* and chocks *j* with elongated slots, inequalities of the ground are compensated for without the necessity of employing stakes of different lengths. When the boxing has been thus secured in position, the material of which the structure is to be composed is deposited in said boxing, and allowed to settle, drain holes being provided near the bottom of the sides of said boxing to permit any entrained waters to pass off, and when the structure is sufficiently solid, the boxing may be removed and taken apart.

Having thus described my invention, what I claim is—

1. In an apparatus for the construction of levees, dams and other similar structures, a boxing comprising crown or top pieces adjustable to and from each other, substantially as described.

2. In an apparatus for the construction of levees dams and other similar structures, a boxing composed of a series of sections secured together and a plurality of crown or top pieces adjustable to and from each other.

3. In an apparatus for the construction of levees, dams and other similar structures, the combination of a boxing composed of a series of sections secured together, a plurality of crown or top pieces for said boxing adjustable to and from each other, and a series of stakes and chocks for securing said boxing to the ground, substantially as described.

In testimony whereof I have hereunto subscribed my name in the presence of two witnesses.

GEORGE P. ANDERTON.

Witnesses:
WALTER H. COOK,
ROBERT C. RIES.