

No. 799,708.

PATENTED SEPT. 19, 1905.

J. A. BOYCE.
BARRAGE.

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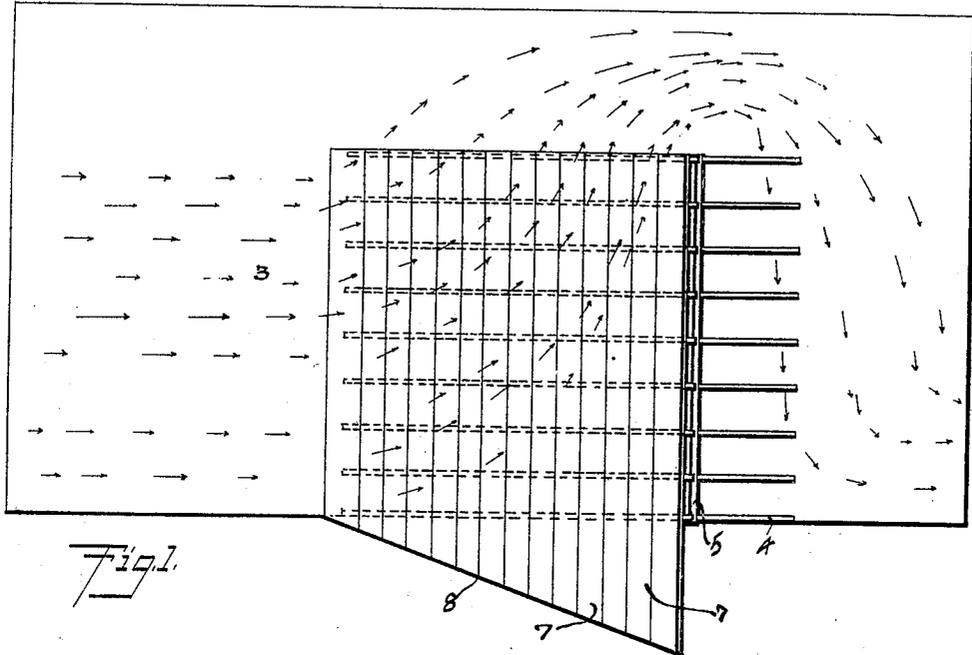


Fig. 1.

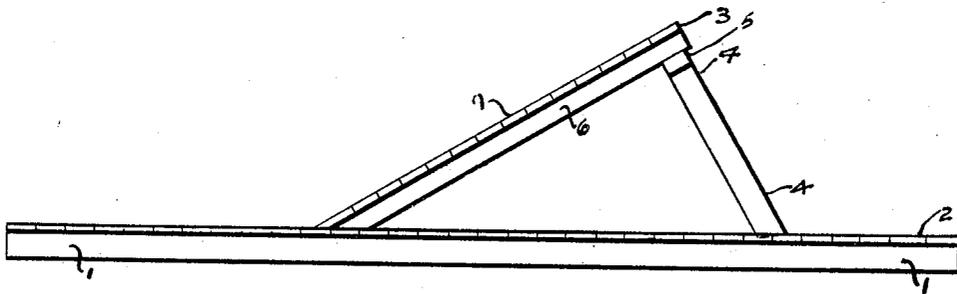


Fig. 2.

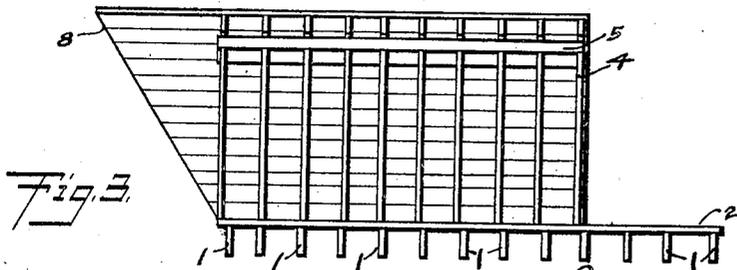


Fig. 3.

Witnesses

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JAMES A. BOYCE, OF KEARNEY, NEBRASKA.

BARRAGE.

No. 799,708.

Specification of Letters Patent.

Patented Sept. 19, 1905.

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To all whom it may concern:

Be it known that I, JAMES A. BOYCE, a citizen of the United States, residing at Kearney, in the county of Buffalo and State of Nebraska, have invented certain new and useful Improvements in Barrages; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to barrages; and it is the object thereof to provide a barrage of such construction that when it is floated out to its position and there anchored it will retain its place undisturbed by the rushing water, this result being attained by a specially-constructed platform upon which the remainder of the structure is built.

In the drawings I have illustrated the several distinctive features of my invention, in which—

Figure 1 is a plan view of the same. Fig. 2 is a side view, and Fig. 3 is an end view of the same.

In the drawings, 1 represents the joists, upon which are laid the planking 2 of the platform 3. Upon said platform 3 a framework is erected, composed of the inclined struts 4, the sill 5, and the joists 6. On the said joists 6 are laid the planking 7, the whole being suitably secured to platform 3, as shown in Fig. 2. In Figs. 1 and 3, 8 is the side, which is cut at an angle to conform to slope of shore near which it may be anchored.

In the ordinary design of barrages there is no extended platform by which they can be securely retained in their positions when once anchored; but, instead, the water immediately begins to wash and cut away around the base, which in a very short time will cause the entire structure to be displaced, either by sinking lower in the quicksand and mud or by being overturned, thereby rendering them

useless. In my invention the above-mentioned difficulties are easily overcome by the extended platform 3 and the side 8, which is cut at an angle to conform to the slope of the shore. When my barrage is anchored in the water, the entire platform is soon covered with a deposit of sediment, which helps to retain it in its position. At the same time the water which is deflected to one side by the planking 7 flows around back of said planking, forming an eddy or backwater which fills up under same, thereby tending to help the struts 4 in supporting same and also in the wash-out which was made previous to the barrage being anchored there.

It will be observed that the platform extends out some distance beyond the ends of the barrage, as shown by Figs. 1 and 3. The object of this is to prevent the water from washing around and undermining the barrage, and also the width and length of the platform is such that it prevents the structure from sinking too far into quicksand and mud.

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

1. In combination with a barrage, a platform extending beyond the three sides of said barrage, the other side being flush with one end of the barrage, substantially as described.

2. In combination with a barrage, a platform extending beyond the three sides of said barrage, the other side being flush with one end of the barrage, and the said end extending at an angle to conform to the slope of the bank, substantially as described.

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

JAMES A. BOYCE.

Witnesses:

HOWARD J. COWGILL,
C. I. SMITH.