No. 810,630. PATENTED JAN. 23, 1906.

G. C. DWIGHT.

BEACH MAKING DEVICE.

APPLICATION FILED SEPT. 14, 1904.

Fig. 1.

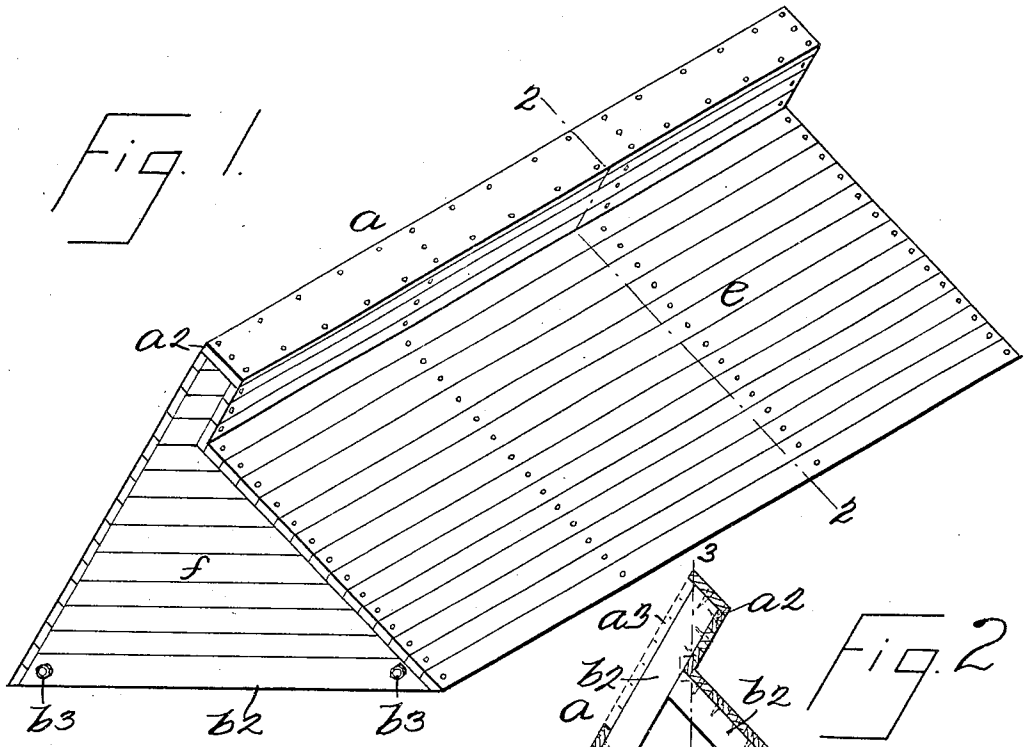


Fig. 2

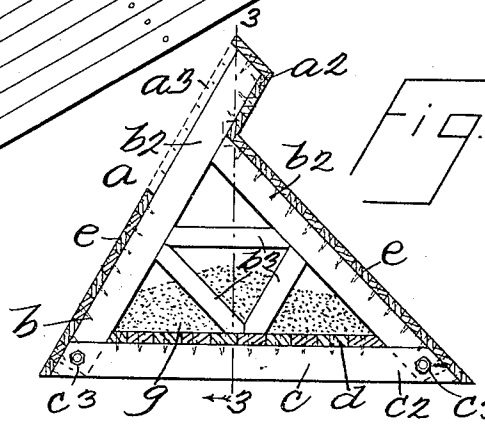
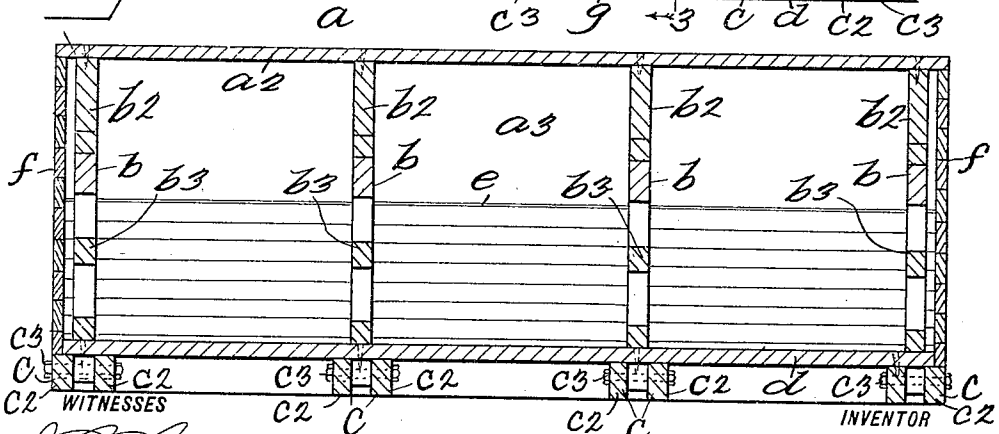


Fig. 3



WITNESSES

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BEACH-MAKING DEVICE.

No. 810,630. Specification of Letters Patent. Patented Jan. 23, 1906.

Application filed September 14, 1904. Serial No. 224,380.

To all whom it may concern:

Be it known that I, GEORGE C. DWIGHT, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Beach-Making Devices, of which the following is a specification, such as will enable those skilled in the art to which it appertains to make and use the same.

This invention relates to devices for effecting the accumulation and retention of sand along a sea-beach by means of the action of the waves, so as to build up the beach and prevent the washing away thereof; and the object of the invention is to provide improved means or devices for this purpose which are comparatively inexpensive and which are so formed as to be fully operative when simply placed on the beach and which do not need to be anchored in position; and with this and other objects in view the invention consists in beach forming or making devices constructed as hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which the separate parts of my improvement are designated by suitable reference characters in each of the views, and in which—

Figure 1 is a perspective view of my improved beach forming or making device; Fig. 2, a cross-section thereof on the line 2 2 of Fig. 1, and Fig. 3 a longitudinal vertical section on the line 3 3 of Fig. 2.

In the practice of my invention I provide a device of the class specified which comprises an oblong box a substantially triangular in cross-section and which may be made of any desired length and which comprises in the form of construction shown a plurality of transverely-arranged main brace-frames b and a plurality of transversely-arranged bottom members c, together with bottom boards d, side boards e, and end boards f, rigidly and firmly secured to the bottom members c and the transverse frames b.

The bottom members c comprise two parallel bars c^2, rigidly bolted together, as shown at c^3, and in practice I prefer to secure the bottom boards d to the transverse members c, after which the triangular brace-frames b are secured in position on the bottom boards d. The triangular frames b comprise side members b^2 and interior brace members b^3, the interior brace members b^3 forming supplemental brace-frames within the side members b^2 of the main brace-frames. The lower ends of the main brace members b^2 pass downwardly through the bottom boards d and between the parts c^2 of the bottom member c, and the bolts c^3 are passed therethrough, and in this way the bottom members c of the main frame and the transverse brace members or frames b are rigidly bolted together. The side boards e and the end boards f are then rigidly secured or nailed to the main frame composed of the bottom members c and main transverse members b, as clearly shown in the drawings, and the device is complete and ready for use.

In practice I prefer to provide each of these devices at the top thereof with an upwardly-directed extension a^2, which is parallel with the back side of the device and at an angle of about forty-five degrees to the front side thereof, and this extension is also closed, as shown.

In forming these devices a part of one side thereof, preferably the back side, is left open, as shown at a^3 in Fig. 2, and the said device or devices are placed on the sand along the beach wherever desired, and each of said devices is filled with sand, the sand being indicated at g in Fig. 2, and as the filling progresses the opening at a^3 is closed from the bottom upwardly, and when the box-shaped casing constructed as described is fully filled with sand the opening at a^3 is closed.

In practice the sand of the beach is leveled off, so that the bottom or base of the beach-forming devices will rest firmly thereon, and the said bottom or base may be sunk into the sand a short distance, if desired, and when thus placed in position the said devices will not be moved by the surf rolling thereover, and the sand will gradually accumulate around the said devices, and especially at the back thereof, and the beach will be gradually built up. After the said beach-forming devices have been covered by the sand which accumulates around the same other and similar devices may be placed in position, and the beach made in this manner may be built up to any desired extent.

By constructing the beach-forming device or devices as herein described it will be observed that they consist of triangular boxes the base of which rest firmly on the sand or in the sand, so that the water cannot pass thereunder and the weight of the sand within the said devices firmly holds the same in place.

These beach-forming devices may be made of any desired length, and the number of brace-

frames *b* within the same will depend on the lengths of said devices.

The upwardly-directed extension a^2 need not necessarily be employed; but I prefer the use thereof, for the reason that it prevents, to an extent, the water from flowing over the beach-forming devices with too great force, and thus washing away the sand at the back thereof.

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

A device of the class described, consisting of an oblong box substantially triangular in cross-section and completely closed, said device comprising a frame composed of transverse bottom members to which the bottom proper is secured, transverse brace-frames connected with said bottom members, and side and end boards rigidly connected and also rigidly connected with said frames, the top portion of the box being provided with an extension parallel with one side thereof and at an angle to the other side, substantially as shown and described.

In testimony that I claim the foregoing as my invention, I have signed my name, in presence of the subscribing witnesses, this 13th day of September, 1904.

GEORGE C. DWIGHT.

Witnesses:
F. A. STEWART,
C. J. KLEIN.