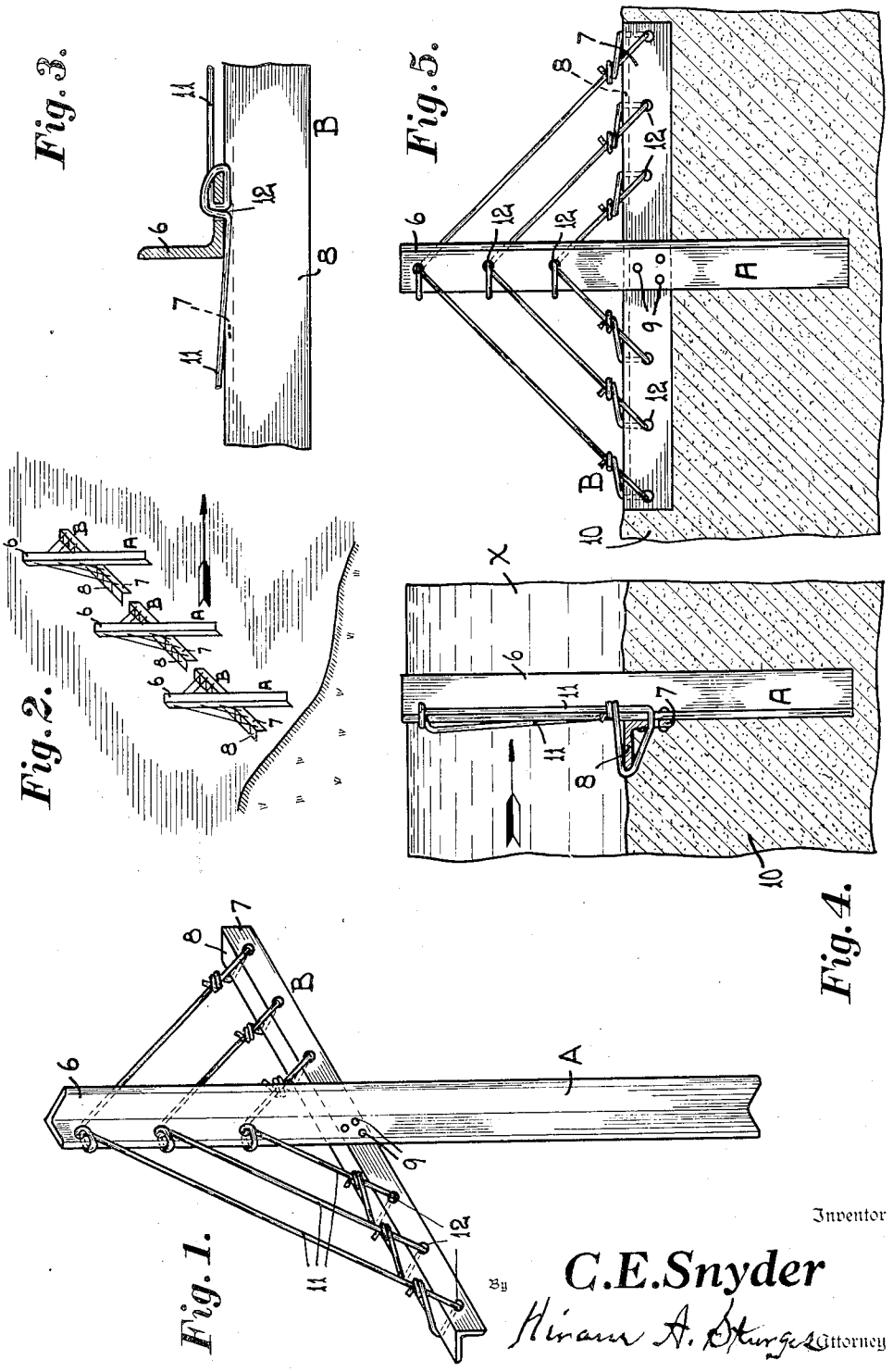
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JETTY CONSTRUCTION

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JETTY CONSTRUCTION

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3 Claims. (Cl. 61—4)

This invention relates to an improvement in jetty construction, and has for its object, broadly, to provide a jetty of such form and arrangement of parts, that it will resist shocks and stresses, and will remain stationary when used in tide waters, rivers or other streams for protecting landings, docks or farm lands from effects of freshets, overflows or changes in the direction of water currents.

The herein described jetty has been used, for the most part, in silt-bearing streams to reclaim land which has been washed away or to prevent further washings, the result in use being that the silt carried by moving water will be deflected and deposited "down stream" from the jetty, and will be added to the land, and further erosion prevented.

The jetty or fascine to be described may be used singly or in numbers, depending upon the area of land to be reclaimed or protected.

It is an object of the invention to provide a jetty for the foregoing purposes which will consist of few parts, may be manufactured practically and at a limited cost, and may be conveniently mounted in operative position.

The invention broadly includes a post which may be driven into the bed of a stream, said post being provided midway between its ends with a single horizontal base having a flange adapted to lie flatwise upon said stream-bed, and having a blade or vertical flange adapted to engage in said bed, whereby the jetty may be maintained in a stationary vertical position regardless of stresses directed to the current deflectors above the base, such as wires, cables or strands carried thereby for deflecting and causing deposits of silt.

With the foregoing objects in view and others to be mentioned, the invention presents a new and useful construction, combination and arrangement of parts as described herein and claimed, and as illustrated in the accompanying drawing, it being understood that changes may be made in form, size, proportion of parts and minor details as may be found to be of advantage, said changes being within the scope of the invention as claimed.

In the drawing, Fig. 1 is a perspective view of a jetty embodying the invention. Fig. 2 is a perspective view showing a plurality of jetties mounted in a stream.

Fig. 3 is a broken detail partly in section showing a strand secured midway between its ends to one of the flanges of a vertical post or angle bar.

Fig. 4 is a side view of the jetty, its base being anchored in the ground at the bottom, and its deflectors being disposed in the water of a stream, and Fig. 5 is a view of parts taken at right angles to the view shown in Fig. 4.

Referring now to the drawing for a more particular description, numeral 6 indicates a vertical post preferably having the form of an angle bar, and I provide a single rectilinear base B provided with a vertical flange 7 and a horizontal flange 8 said base being disposed at right angles to the post 6 and secured at its middle to said post as indicated at 9, between the ends thereof.

As thus described the post 6 provides an anchoring portion A below the base B, and when the jetty has been driven into the bed 10 of a stream as shown in Figs. 2, 4 and 5 of the drawing, the anchoring portion A of the post 6 will project into said bed.

Also, as shown in Figs. 4 and 5 of the drawing, when the post 6 has been driven into the bed of a stream, the vertical flange 7 of the base B will operate as an anchoring element, and the horizontal flange 8 of said base will lie upon the surface of said bed.

Numerals 11 indicate wires, cables or strands which operate as current deflectors, the post and horizontal base being provided with holes 12 at spaced intervals in which these deflectors may be threaded and secured.

It will be noted that, as shown in Fig. 4 of the drawing, the current deflectors 11 are disposed in a single plane at right angles to a water current x, and as shown in Figs. 1 and 5 the current deflectors are arranged in series and are disposed inclinedly, the object in view being to provide a jetty which will operate to advantage in forming silt deposits, and to provide a jetty which may be conveniently made and installed in operative position, and a jetty which may be produced at a limited cost.

The jetty may be driven into the beds 10 by any suitable means, and on account of the anchorage provided by the lower portions A of the posts and the vertical flanges 7 of the bases B these jetties, as described, will be found to be particularly well adapted for use in swiftly moving water currents since they will adequately resist stresses and will be maintained in a stationary position.

I claim as my invention:—

1. In jetty construction, a post having a lower anchoring portion, a base element disposed at right angles and secured at its middle to the post between the ends thereof and having a vertical flange and horizontal flange, said post being

adapted to be disposed vertically with its anchoring portion disposed in the bed of a stream, the vertical flange of said base element projecting into said bed, the horizontal flange of the base element engaging the surface of said bed, and a plurality of deflector strands each secured to the upper portion of the post and extending downwardly and inclinedly for a mounting of its ends on said base element.

2. In a jetty construction, a post having a lower anchoring portion adapted to be driven into the bed of a stream, a rectilinear base element secured at its middle to the post midway between the ends thereof and having a vertical flange adapted to project parallel with said post into said bed and providing a horizontal flange adapted to lie on the surface of said bed, and a plurality of current deflectors arranged in series at two sides of the post extending from the upper portion of said post for a mounting on said base member.

3. In jetty construction, a post having a lower anchoring portion adapted to be driven into the ground, a base element disposed transversely and secured to the post above said anchoring portion, and a plurality of current deflectors extending downwardly and inclinedly from the post and attached to said base element.

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