

No. 825,633.

PATENTED JULY 10, 1906.

J. BONTTY.

SEINE.

APPLICATION FILED OCT. 23, 1905.

Fig. 1.

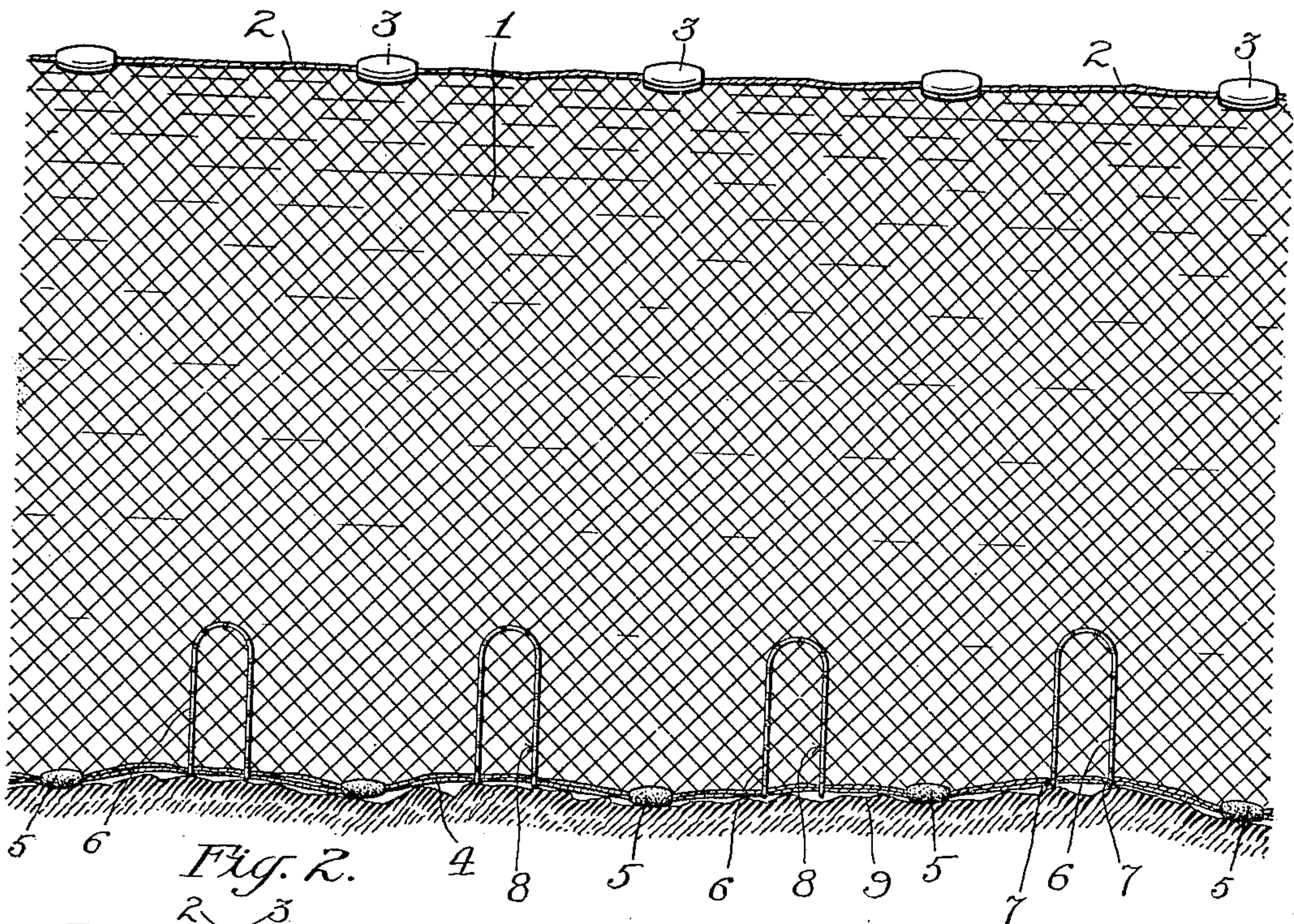


Fig. 2.

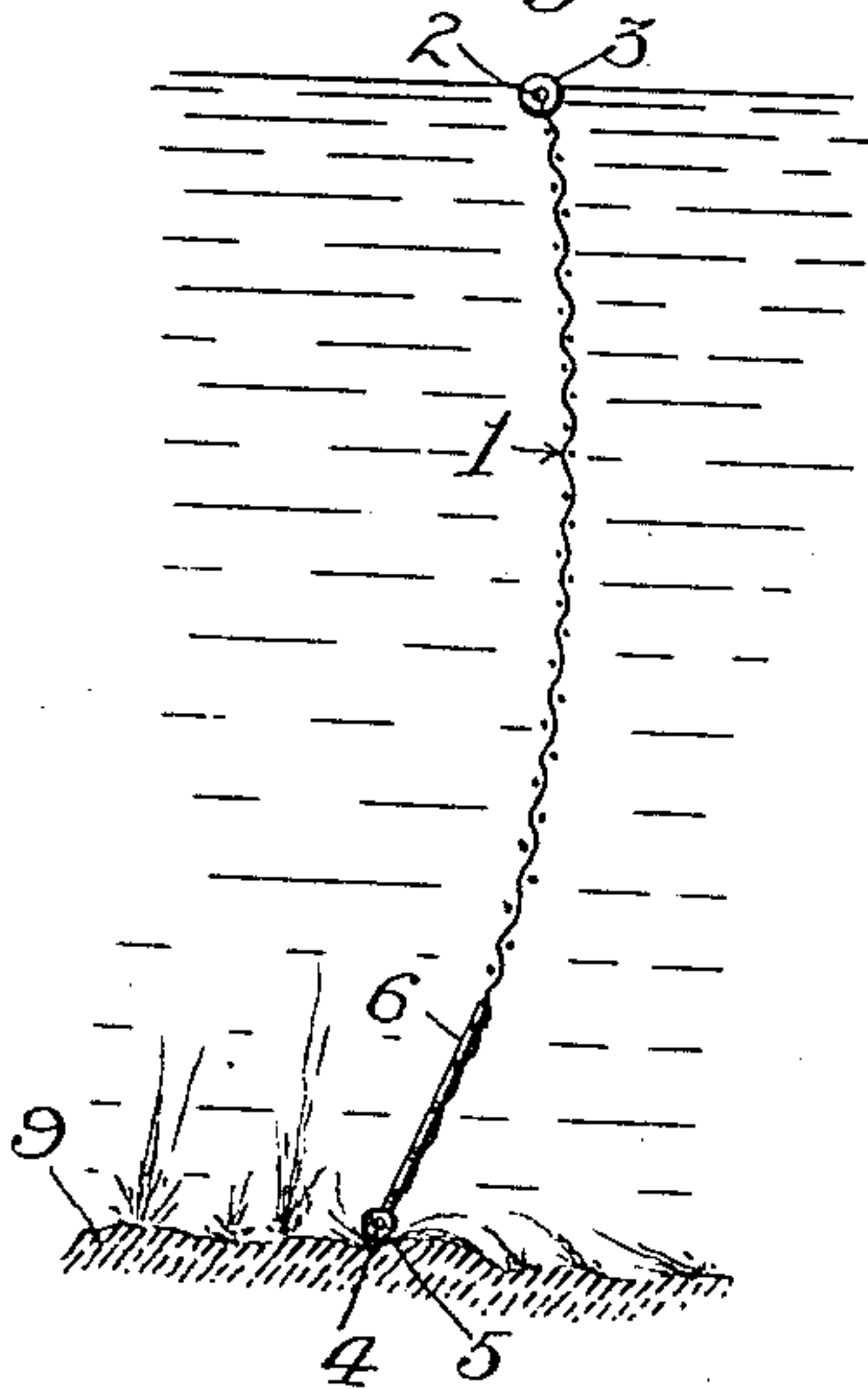
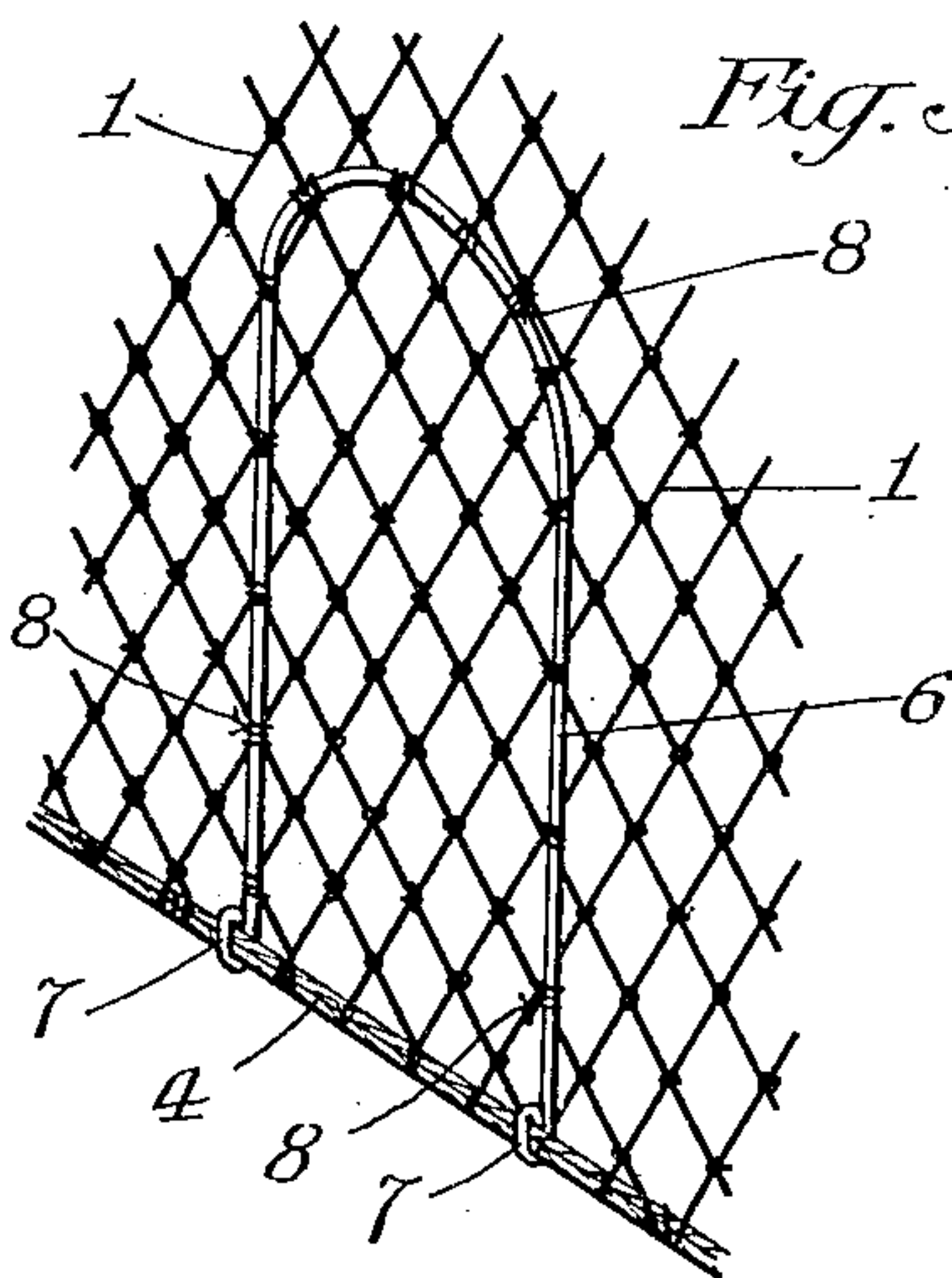


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

JOSEPH BONTTY, OF SAN DIEGO, CALIFORNIA.

SEINE.

No. 825,633.

Specification of Letters Patent.

Patented July 10, 1906.

Application filed October 23, 1905. Serial No. 283,869.

To all whom it may concern:

Be it known that I, JOSEPH BONTTY, a citizen of the United States, residing at San Diego, in the county of San Diego and State of California, have invented a new and useful Improvement in Seines, of which the following is a specification.

The main object of this invention is to form a seine in such manner that it will not be liable to curl or roll up in being dragged over the bed of the body of water being fished. In the use of ordinary seines, particularly where the bed over which the seine is dragged is grassy or has other vegetable growth, there is a tendency of the bottom of the seine to catch in such growth, becoming entangled with the seaweed or grass and interfering seriously with the successful operation of the seine. As the fishing is generally particularly good where the bottom is grassy or weedy, it is of great advantage to provide a seine which can be used in such places without becoming entangled with the marine growth. This object is accomplished by providing stiffening means for the lower part of the seine in such manner as to prevent curling or buckling thereof.

A further object of the invention is to provide stiffeners or braces for the seine, which can be readily put in place or removed when desired and which will be of a minimum cost and extreme simplicity.

The accompanying drawings illustrate the invention, and referring thereto, Figure 1 is an elevation of the seine in position in the water. Fig. 2 is a sectional view thereof. Fig. 3 is a perspective of part of the seine near the lower edge or lead-line thereof.

The seine 1 may be of any usual construction having at its top a cork-line 2, provided with corks or floats 3, and at its lower edge the lead-line 4, provided with sinkers 5. Braces or stiffeners 6 are provided along near the lower edge of the seine, said stiffeners being preferably distributed substantially uni-

formly along the seine—for example, being interposed between successive leads. Each stiffener consists of a strip or piece of wire bent in U shape with its end bent over to form loops 7, these loops being slipped on the lead-line and clenched thereon, as shown in Fig. 3. The body of the U-shaped stiffeners is fastened to the net by tying, as indicated at 8, the stiffeners extending from the lower edge of the net upwardly a sufficient distance to provide the requisite bracing or stiffening effect in a vertical direction, but being separate from one another to allow flexure or free movement of the net in a horizontal direction. The U-shaped stiffener body is fastened or tied to the meshes of the net at different points along said body, so that it serves to stiffen all the lower part of the net both laterally and vertically and to reinforce the same against tearing.

The net is used in usual manner, being drawn over the bed, (indicated at 9.) In this operation the lower edge of the net will be dragged over the floor or bed 9, but will not be rolled up or clogged thereby on account of the stiffeners 6 operating to hold the lower portion of the net in extended position, as shown in Fig. 2.

What I claim is—

The combination with a seine having a lead-line at its lower edge, of a plurality of stiffeners attached thereto, each stiffener consisting of wire bent in U-shaped form with its ends clenched on the lead-line and the body of the stiffener secured to the meshes of the seine at different points along the length of the U-shaped body.

In testimony whereof I have hereunto set my hand, at San Diego, California, this 14th day of October, 1905.

JOSEPH BONTTY.

In presence of—

J. A. DICKINSON,
E. W. DICKENSON.