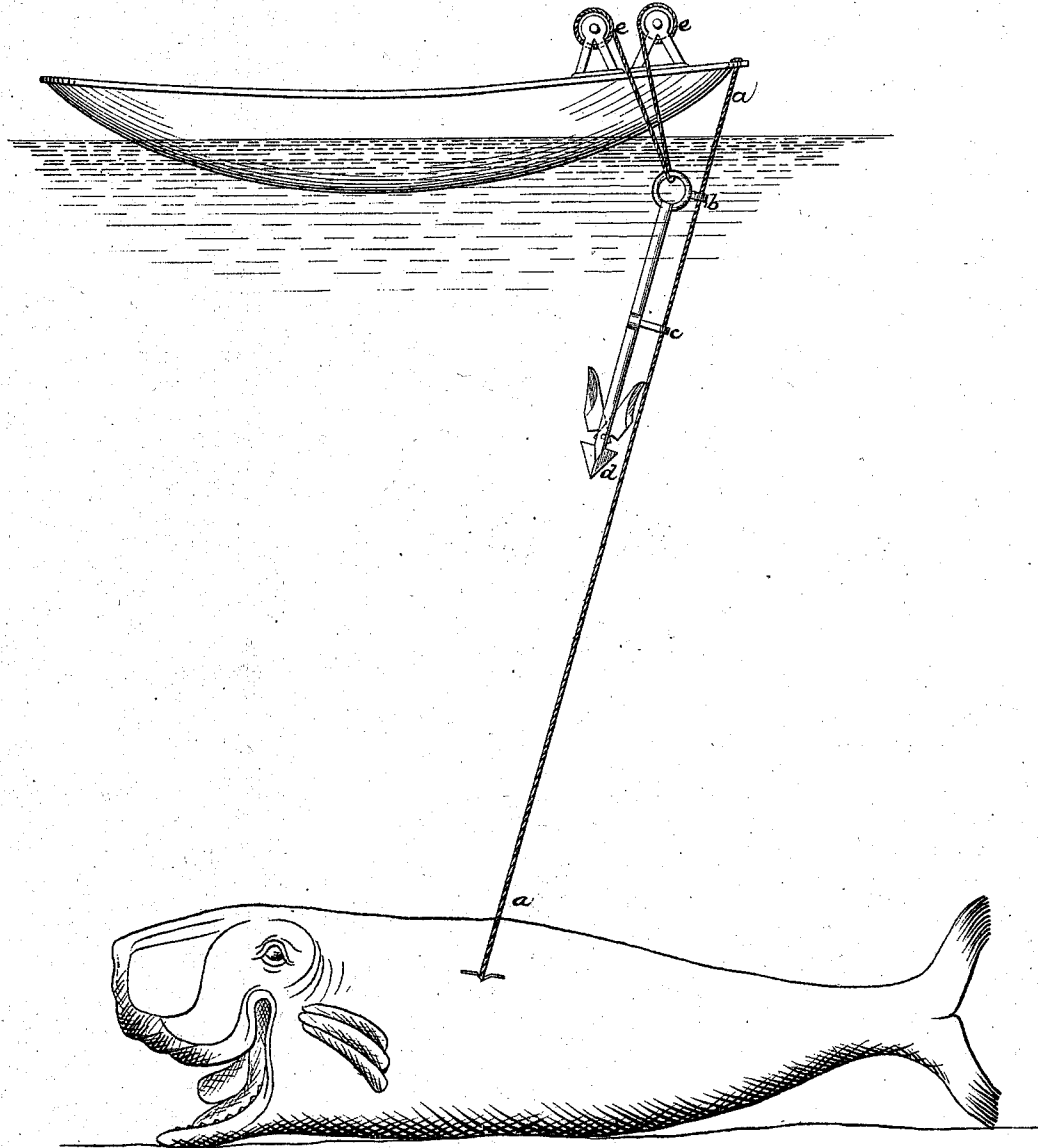


T. W. Roys,

Harpoon,

N^o 35,476.

Patented June 3, 1862.



Witnesses:
Clarissa DeLafelle
Mrs. Lumber Hall -

Inventor:
Thomas W. Roys
By his Atty &
Amos A. Adams.

UNITED STATES PATENT OFFICE.

THOMAS W. ROYS, OF SOUTHAMPTON, NEW YORK.

IMPROVED APPARATUS FOR RAISING SUNKEN WHALES TO THE SURFACE OF THE WATER.

Specification forming part of Letters Patent No. 35,476, dated June 3, 1862.

To all whom it may concern:

Be it known that I, THOMAS W. ROYS, of Southampton, in the county of Suffolk, in the State of New York, have invented a new and useful Method of Raising Dead Whales from the Bottom of the Sea; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawing and the letters of reference marked thereon.

The object of my invention is to raise to the surface of the water whales that have been killed and sunk to the bottom of the sea before means have been taken to secure them with any stronger attachment than the line of the harpoon with which they have been struck; and it consists of a method of operating with a heavy barbed instrument of peculiar construction, which I term a "whale-raiser," in such a manner that it will be guided to the carcass into which it is thrust and firmly secured, and admit the attachment of a hawser, to which may be applied the power necessary to lift the whale.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation with reference to the annexed drawing, which represents a sunken whale with a whale-boat attached.

a a is the line attached to the harpoon or other instrument with which the whale has been struck.

b c d is the whale-raiser, which should be about ten feet long and two hundred pounds in weight, and of which *b* and *c* are loops or clasps, secured with screws, that may be opened to loosely inclose the harpoon-line.

d is the barbed end of the whale-raiser, provided with hinged wings, which close when the instrument is thrust into the whale and open when any force is exerted tending to its withdrawal. The upper end, upon which the clasp *b* is situated, is constructed with a large

eye, through which is rove a small line, with both its ends on reels *e e*, that may be carried by a whale-boat.

When it is desired to raise a sunken whale according to my invention, the harpoon-line *a a* is drawn taut and as nearly straight as possible. The clasps *b* and *c* of the whale-raiser are placed around the harpoon-line, and the end of a cod-line from one of the reels *e e* is passed through the eye and spliced to the end of the line on the other reel. The whale-raiser is then released, and falls by its own gravity, guided by the harpoon-line passing through the clasps *b* and *c*, until it strikes the whale, into which it is thrust by the momentum acquired in its fall. The cod-lines have thus been unreel and the bight carried down to the whale. A larger line is then fastened to one of the cod-lines and hauled through the eye of the whale-raiser, and a hawser is bent upon that line and also hauled through the eye, thus forming a strong attachment, to which the necessary power may be applied through the ship's windlass or other means to raise the body of the whale to the surface of the water.

I claim as my invention and desire to secure by Letters Patent—

1. The construction of an instrument for raising whales, with side eyes or clasps, by which it may be guided by the harpoon-line to the body of a whale, as described.

2. The formation of an eye on the whale-raiser, through which a hawser may be hauled by means of a cod-line, in the manner specified.

3. The use of a barbed instrument combined with a small line on reels, substantially as described, for the purpose of attaching a hawser to a whale.

THOMAS W. ROYS.

Witnesses:

WILLIAM SANDFORD,
ISAAC J. SIGLER.