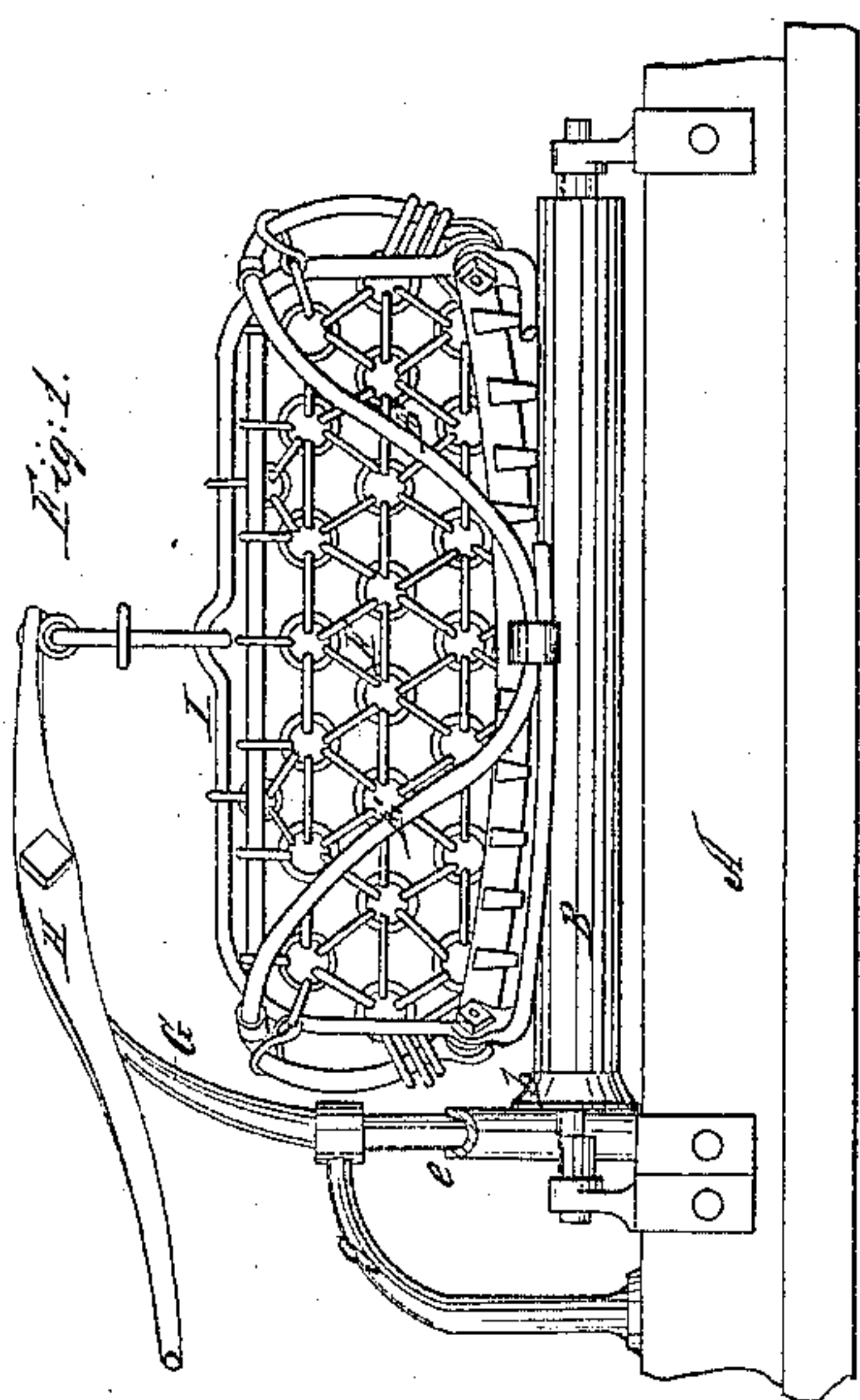
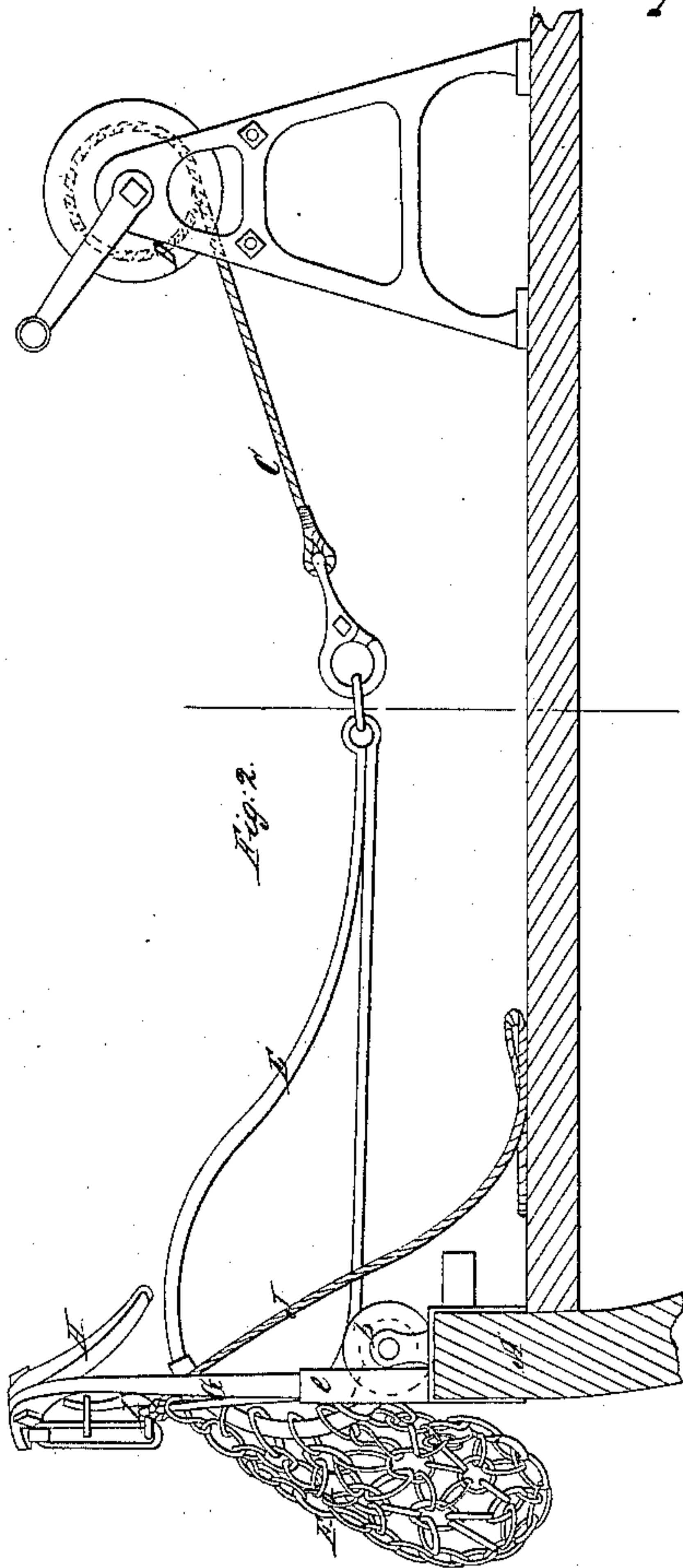


W. Belbin,

Oyster Dredge.

N<sup>o</sup> 59,812.

Patented Nov. 20, 1866.



Witnesses:

Edward Knight

Solon C. Kemor

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per Munroe & Co. Rm. 113  
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# United States Patent Office.

## IMPROVEMENT IN OYSTER-DREDGING APPARATUS.

WILLIAM BELBIN, OF BALTIMORE, MARYLAND.

*Letters Patent No. 59,812, dated November 20, 1866.*

### SPECIFICATION.

#### TO ALL WHOM IT MAY CONCERN:

Be it known that I, WILLIAM BELBIN, of Baltimore, in the county of Baltimore, and State of Maryland, have invented a new and improved Apparatus for Dredging Oysters, and I do hereby declare the following to be a full, clear, and exact description of the same, sufficient to enable one skilled in the art to which the invention appertains to make use of it, reference being had to the accompanying drawings which form a part of this specification, and in which—

Figure 1 is a longitudinal section.

Figure 2 is a plan.

Figure 3 is a rear elevation.

A lever is mounted on a pivoted davit which is reared from the gunwale of the boat; the outer end of the lever is hooked to the frame of the dredge, which is lifted over the roller on the gunwale by the depression of the lever. A roller on the post of the davit and a flange on the roller assist in landing the dredge when the frame comes in contact with the davit or tends to run off the roller; an additional bow is provided to the dredge frame by which it is suspended from the davit.

In the drawings, A is the gunwale of the boat, having a roller, B, mounted thereon to save friction and wear of the rope C, which passes from the winch D to the frame E of the dredge bag F.

Reared upon the gunwale A, and pivoted thereto so as to rotate in a horizontal plane, is the davit G, supported by the stay, g, upon which is pivoted the lever, H, which, when raising the dredge over the gunwale, is connected by a hook with the bow, I, of the dredge frame; this bow causes the dredge to swing in better position than if suspended by the jaws of the frame.

Upon the end of the roller, B, is a flange, b, which prevents the rods, e, of the frame, E, from running off the roller; and the post of the davit, G, has a roller, g, which eases the rope or rods along if they rub against it, and thereby assists in hauling in and getting the dredge aboard.

The dredge is made of rings or links suitable for withstanding the hardship of the duty, and loose rings in pairs on its outer surface form a convenient mode of handling to upset and tumble out the contents.

The rope J, attached to the frame, is for the purpose of loosening and raising the dredge if it becomes hitched to a rock.

The operation of the apparatus consists in raising it over the gunwale, casting it loose, and after dredging raising it to the surface and lifting it aboard; the improvements, consisting of the davit and its roller, the extra bow on the dredge frame, the flange on the gunwale roller, have been described.

I do not claim the frame E, or the dredge bag F, or the roller B; neither do I claim their combination, broadly considered, as I am aware that these devices have long been known and employed.

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

1. The davit, G, pivoted upon the gunwale and provided with a lever by which the dredge is raised, substantially as described.
2. The auxiliary bow, I, of the dredge.
3. The flange in the gunwale roller.
4. The roller, or sleeve e, on the post of the davit.

WILLIAM BELBIN.

Witnesses:

SOL. J. MAILHOAT,  
GEO. SIMMS.