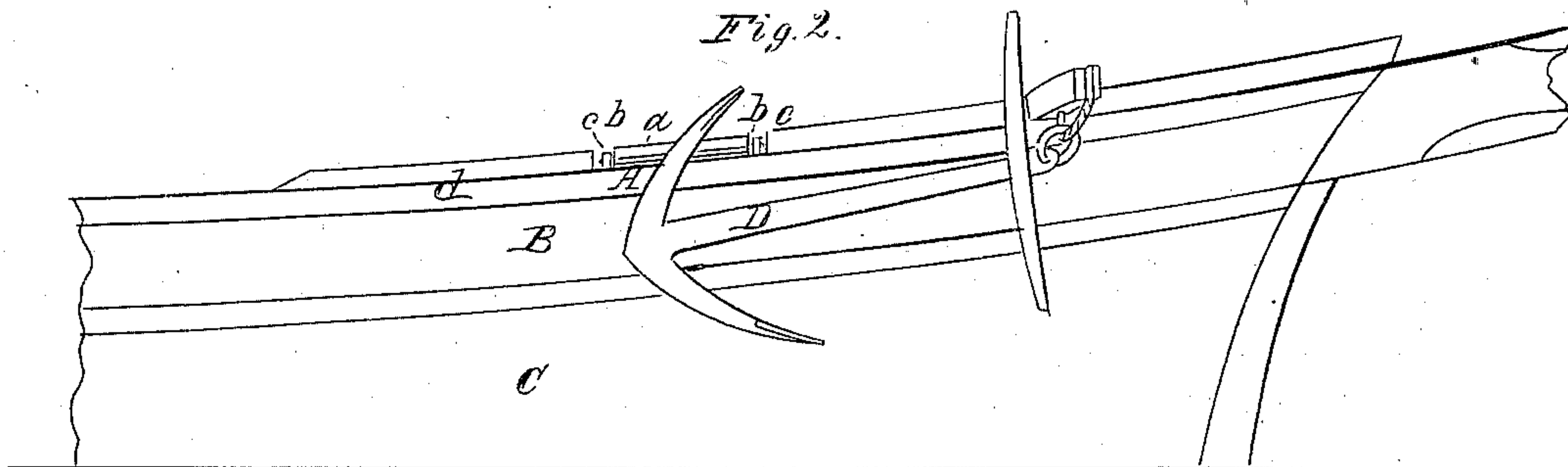


*J. B. Hopkins,*  
*Anchor.*

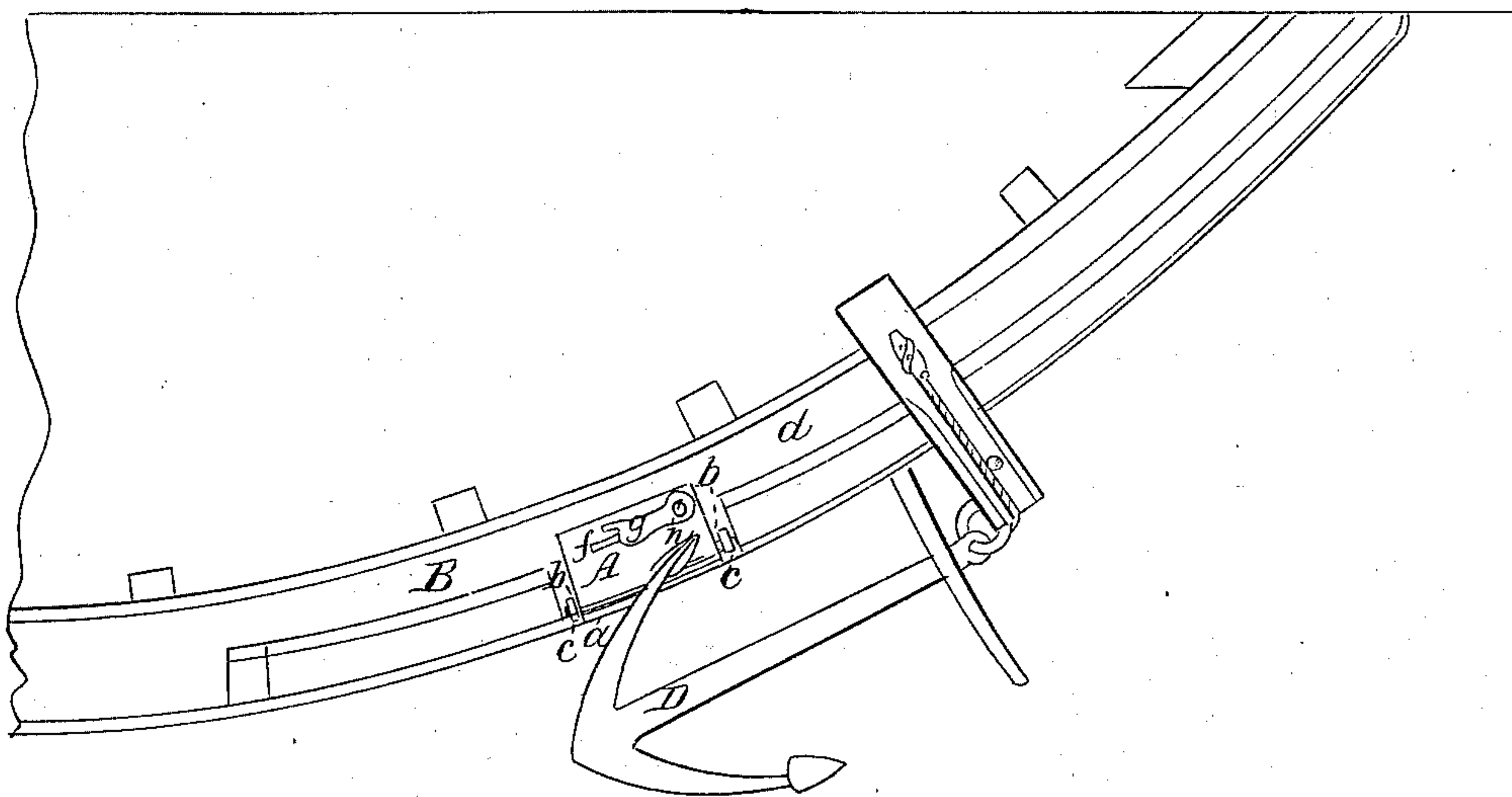
*No. 88571.*

*Patented. Apr. 6. 1869*

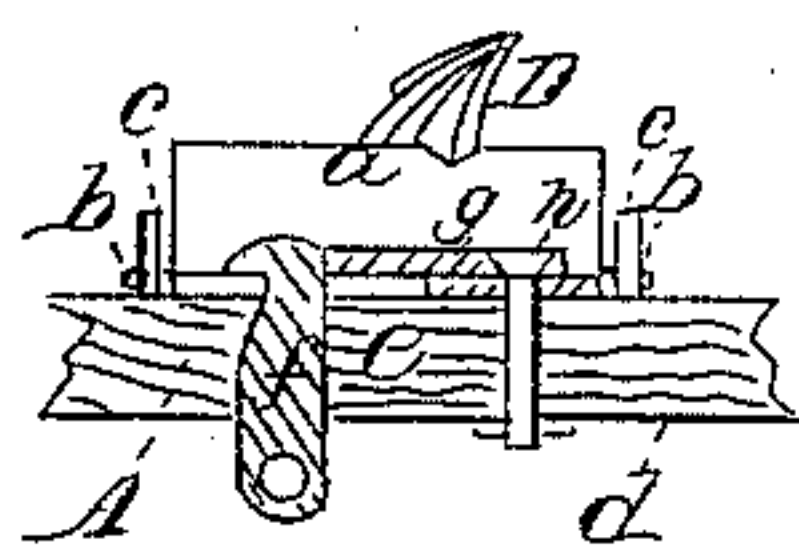
*Fig. 2.*



*Fig. 1.*



*Fig.*



*Witnesses.*

*S. A. Piper.*

*J. C. Snow.*

*James B. Hopkins.*

*by his attorney.*

*N. H. Ledy.*



JAMES B. HOPKINS, OF DENNIS PORT, MASSACHUSETTS.

*Letters Patent No. 88,571, dated April 6, 1869; antedated March 23, 1869.*

IMPROVEMENT IN ANCHOR-TRIPPERS.

The Schedule referred to in these Letters Patent and making part of the same.

*To all persons to whom these presents may come:*

Be it known that I, JAMES B. HOPKINS, of Dennis Port, of the county of Barnstable, and State of Massachusetts, have invented a new and useful Improvement in Anchor-Trippers; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a top view, and

Figure 2, a side view of an anchor-tripper, as provided with my invention, and applied to the hull of a vessel, the same exhibiting the anchor, as supported by the tripper, and the cable running through the catch-head.

It is well known to mariners that the process of casting the fluke of a heavy anchor off the bulwark-rail of a vessel, preparatory to "coming to anchor," or dropping the anchor into the water, is often one of much difficulty, and attended with considerable expenditure of time, the delay in accomplishing the matter being sometimes attended with serious consequences, if not the loss of the vessel. With the anchor-tripper, the discharge of an anchor-fluke from the rail or bulwark is a matter of easy accomplishment, requiring scarcely more than a few seconds, particularly with my improvement.

I am aware of the anchor-trippers described in the United States patents, No. 26,765 and 51,305, which, like mine, contain a rotary tripper and a holder thereof. Consequently, I make no claim to either of such patented inventions, my improvement having reference to the mechanism for holding and discharging the tripper, and especially to the arrangement of such mechanism with respect to the rail, or part on which the tripper rests.

My tripper consists of a plate, A, provided with a flange, or lip, *a*, and two journals, *b b*. The flange is arranged so as to project from the outer edge of the plate, and at an obtuse angle with such plate.

The journals extend from opposite ends of the plate,

and close to the lip, and are supported on staples, or bearings *c c*, extended from the rail *d* of the bulwark B of the hull C.

A slot, *e*, made through the plate A, receives a catch-hook, *f*, arranged in the rail, or bulwark, in manner as shown in fig. 1, and also in fig. 4, which is a vertical section of the hook, the rail, and the plate A.

A stop-lever, *g*, turning on a fulcrum, *h*, and formed as represented, is arranged on the plate A, and when the said plate is caught down by the catch-hook, the stop-lever, on being moved up to the hook, will keep such hook in engagement with the plate.

The hook serves to hold the plate down upon the rail when the fluke of the anchor D is hooked upon the lip *a*.

By drawing the stop-lever away from the catch-hook, and pressing the said hook back and off the plate A, the anchor will turn the plate and be discharged from its lip.

By my arrangement, the detaining-mechanism of the tripper is all within the rail, or bulwark, and on top of the said tripper, and does not extend down along and project from the inner side of the bulwark. When it does so, or is formed and arranged as shown in patent, No. 51,305, it is much in the way of seamen, and liable to be accidentally tripped by ropes or by a person, in which case it is liable to do injury to the individual.

What I claim, therefore, as my improvement, is—

My arrangement of the catch-hook and its stop, with the tripper A and the bulwark, or rail of the vessel, the stop, under such arrangement, being in and movable with the tripper, and the catch-hook being arranged in a mortise in the rail, or bulwark, the whole being substantially in manner, and so as to operate as set forth.

JAMES B. HOPKINS.

Witnesses:

R. H. EDDY,

F. P. HALE, Jr.