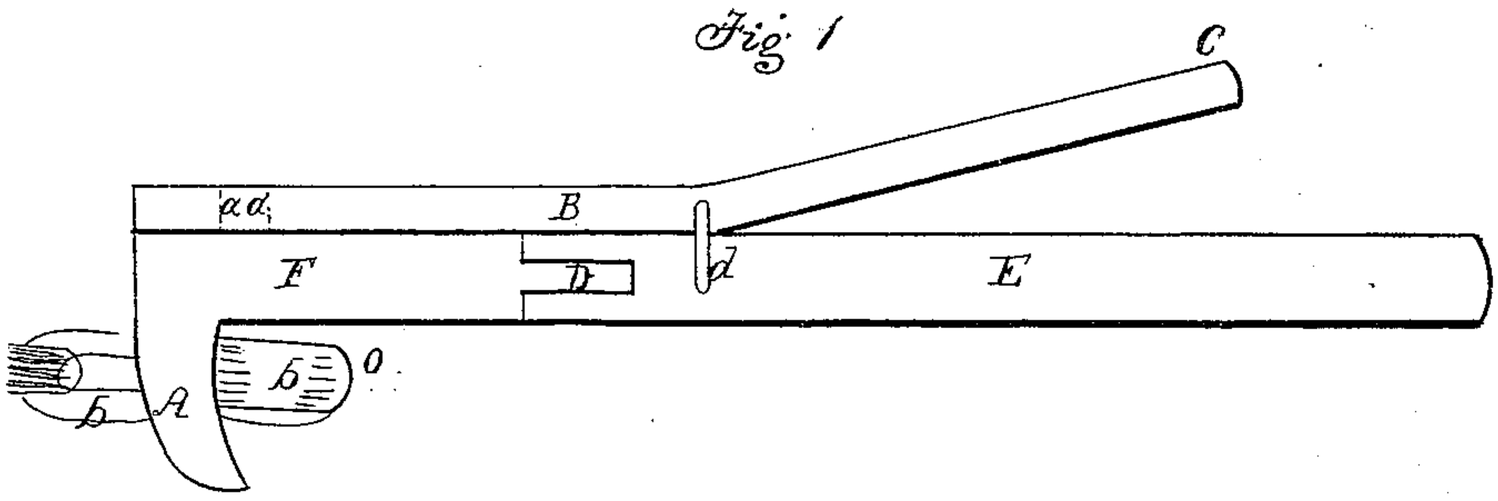
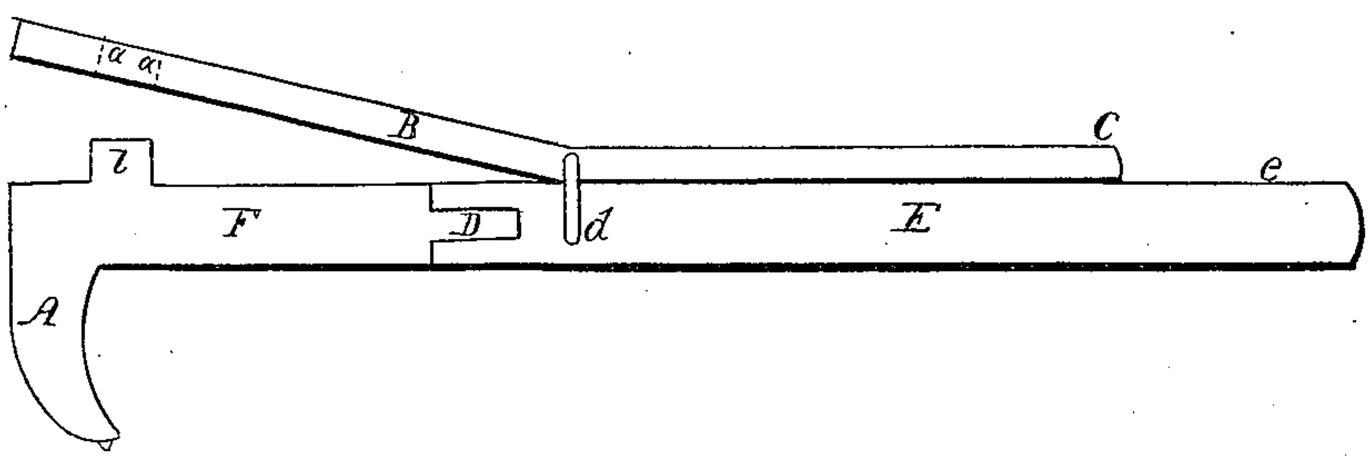
E. Applegate,

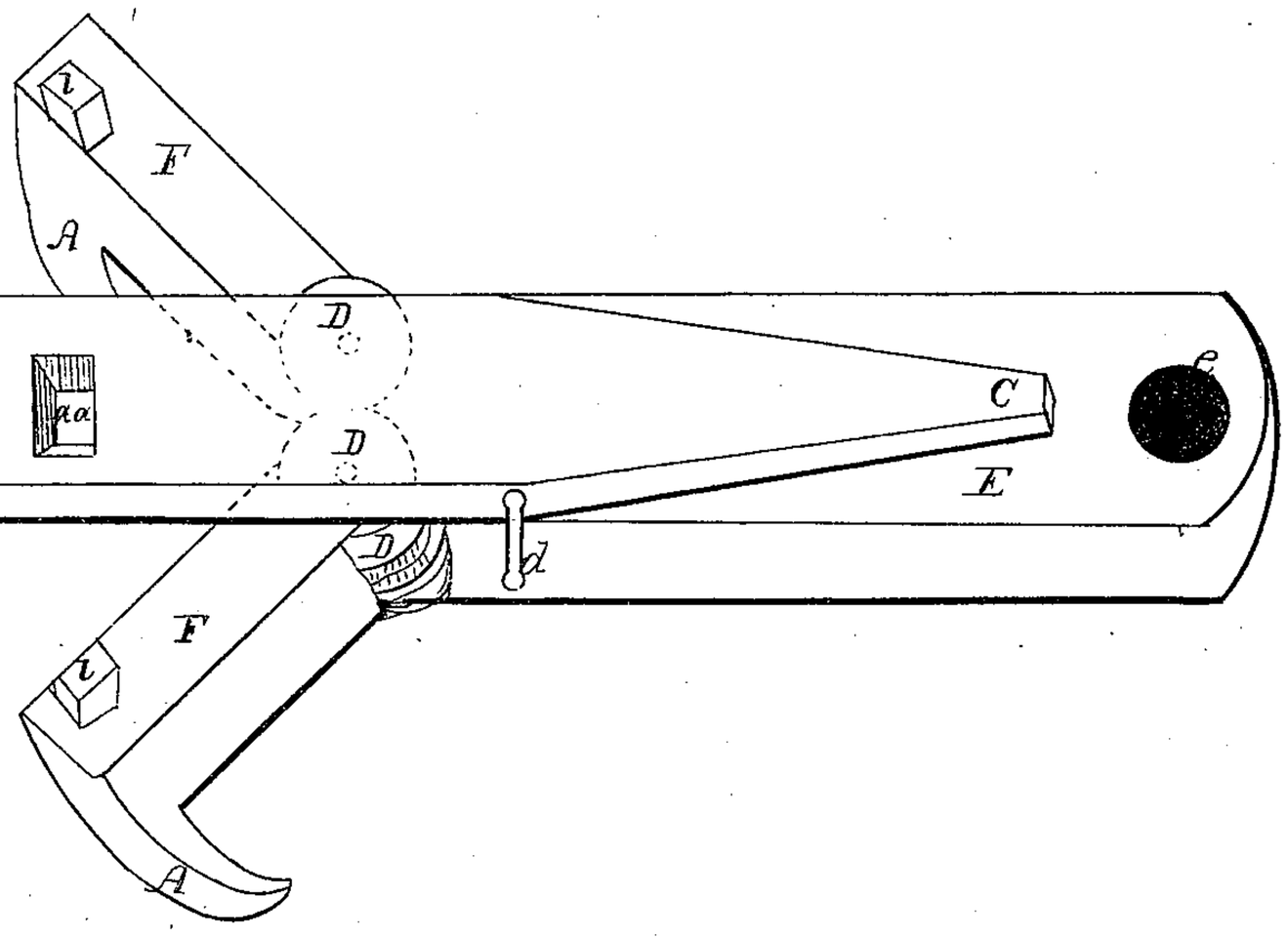
Anchor.

No. 14,758. Patented. Apl. 29, 1856.

Fig. 1







UNITED STATES PATENT OFFICE.

ENOCH APPLEGATE, OF WILMINGTON, DELAWARE.

CHAIN-CABLE HOOK.

Specification of Letters Patent No. 14,758, dated April 29, 1856.

To all whom it may concern:

Be it known that I, ENOCH APPLEGATE, of Wilmington, in the county of Newcastle and State of Delaware, have invented a new and useful Improvement in Cable-Hooks for Suspending Anchors, &c., and Allowing them to Drop Instantaneously when Required, of which the following is a full, clear, and exact description, reference being had to the accompanying drawing of the same, in which—

Figure 1, represents a side elevation of my improved hook as in position to suspend the anchor by means of a link of the cable chain. Fig. 2, represents a similar view but showing the relative position of its parts when freed from the anchor or suspended weight, and Fig. 3, represents a view in perspective of the same showing its arms extended as in Fig. 2 to permit the anchor to drop.

The object of my invention is to provide a cheap and effective means of suspending anchors or other weights, and of dropping them instantaneously when occasion should require without the possibility of impediment as in all other anchor trippers heretofore made; and it consists in so hinging or jointing two arms to an iron beam attached to the cat-heads of a vessel in any suitable way, that they shall be free to move laterally when forced apart by the weight of the anchor, upon the raising of the lock lever, thus allowing the chain to pass freely between the projections or teeth on the lower end of the arms as the anchor descends.

To one end of the beam (E) is secured the arms (F) by means of hinge joints (D), having on their under side and other extremity, projections or teeth (A), between which the cable chain (*b*) of the anchor is suspended when the latter is raised, they being held together by means of a lock lever (B) having a mortise (*a a*) near its forward end into which the projections (*l*) of each arm (F) pass. When it is desired to lock the arms together for the purpose of supporting the anchor or other weight. This lock lever is bent near its middle, at which point it is secured by means of a staple (*d*), to the beam (E); the apex of the angle thus formed, serving as the fulcrum, upon which the lever is moved to lock the arms for the purpose of supporting a weight, as seen in Fig. 1; and to unlock them to allow it drop as shown in Fig. 2, the latter being effected by the mere striking of the end or handle (*c*) of the lever (B), so as to raise the mortise or its forward end free from the projections (*l*) of the arms (F), when the weight of the anchor will cause the chain to force these arms apart as seen at Fig. 3; thus allowing the anchor to drop without further impediment from the cable hook. Through one end of the beam (E) is cut a hole (*e*) for the reception of a rope or chain, by which the cable hook is suspended or attached to the cat-head or other convenient part of the vessel; or it may be secured in any other suitable manner.

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

The hinged arms (F) and projections (A) or their equivalents for supporting the anchor, in combination with the lock lever (B) and projections (*l*) when operating in the manner and for the purposes substantially as herein set forth.

In testimony whereof I have hereunto set my hand, in presence of two subscribing witnesses.

ENOCH APPLEGATE.

Attest:

WILLIAM P. WOOD,

P. HANNAY.