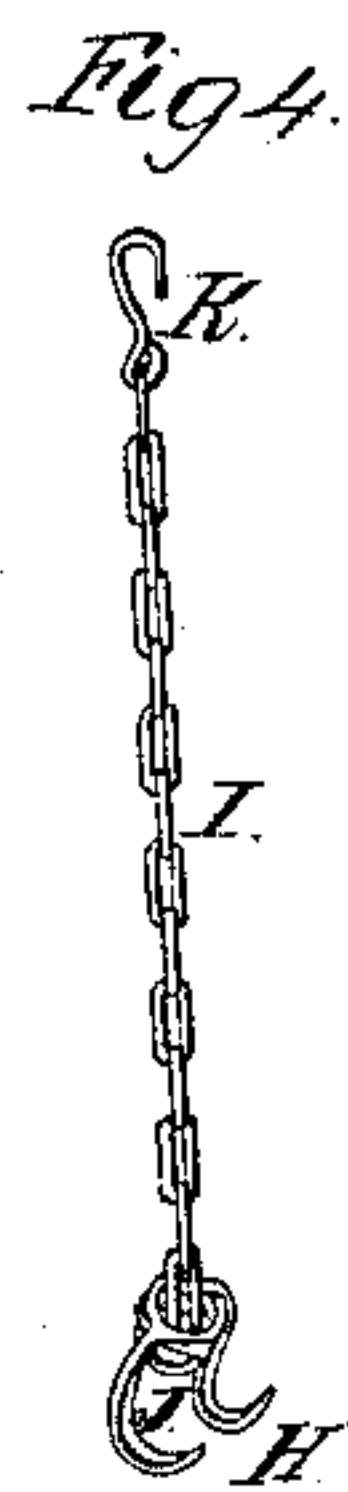
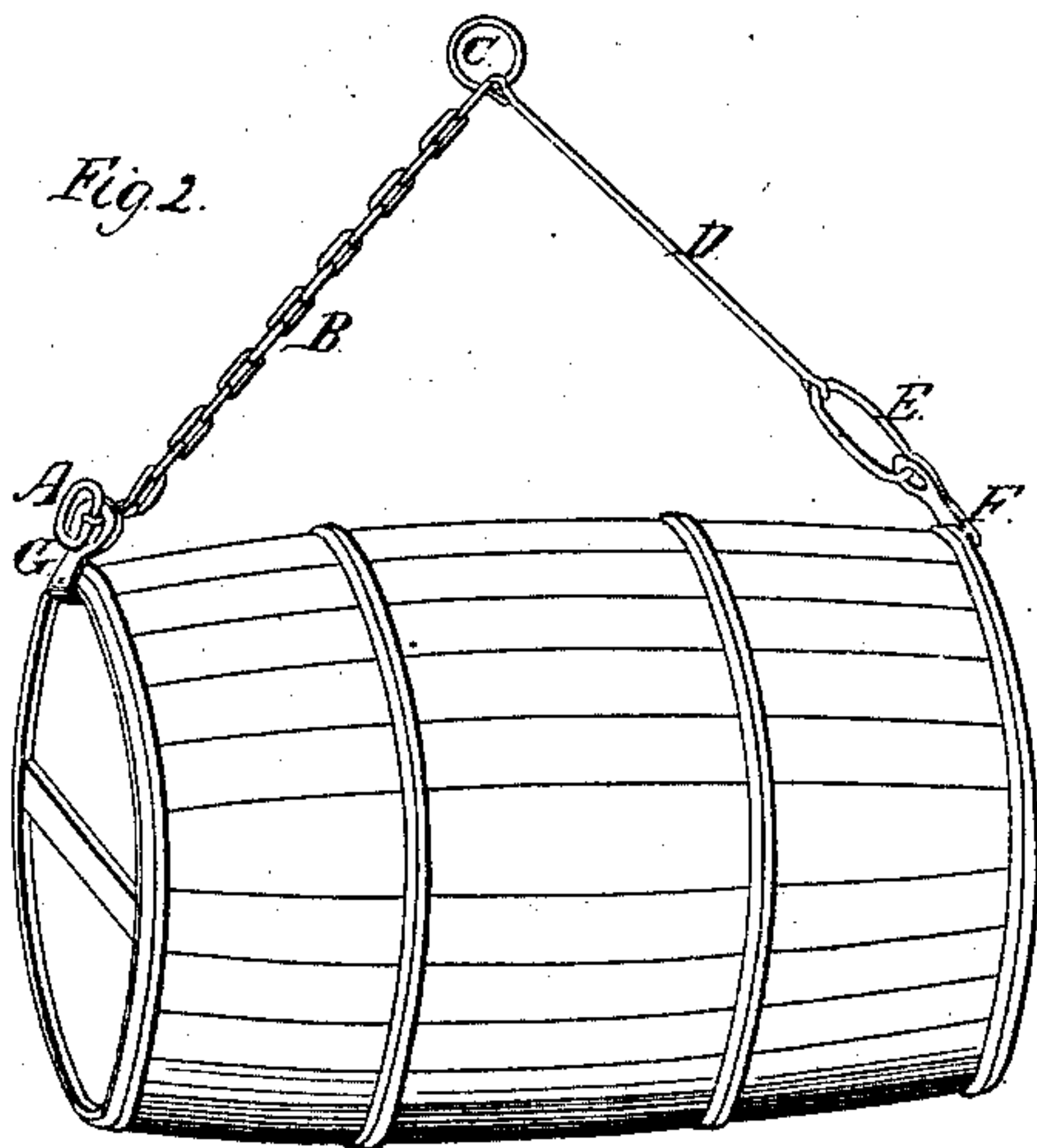
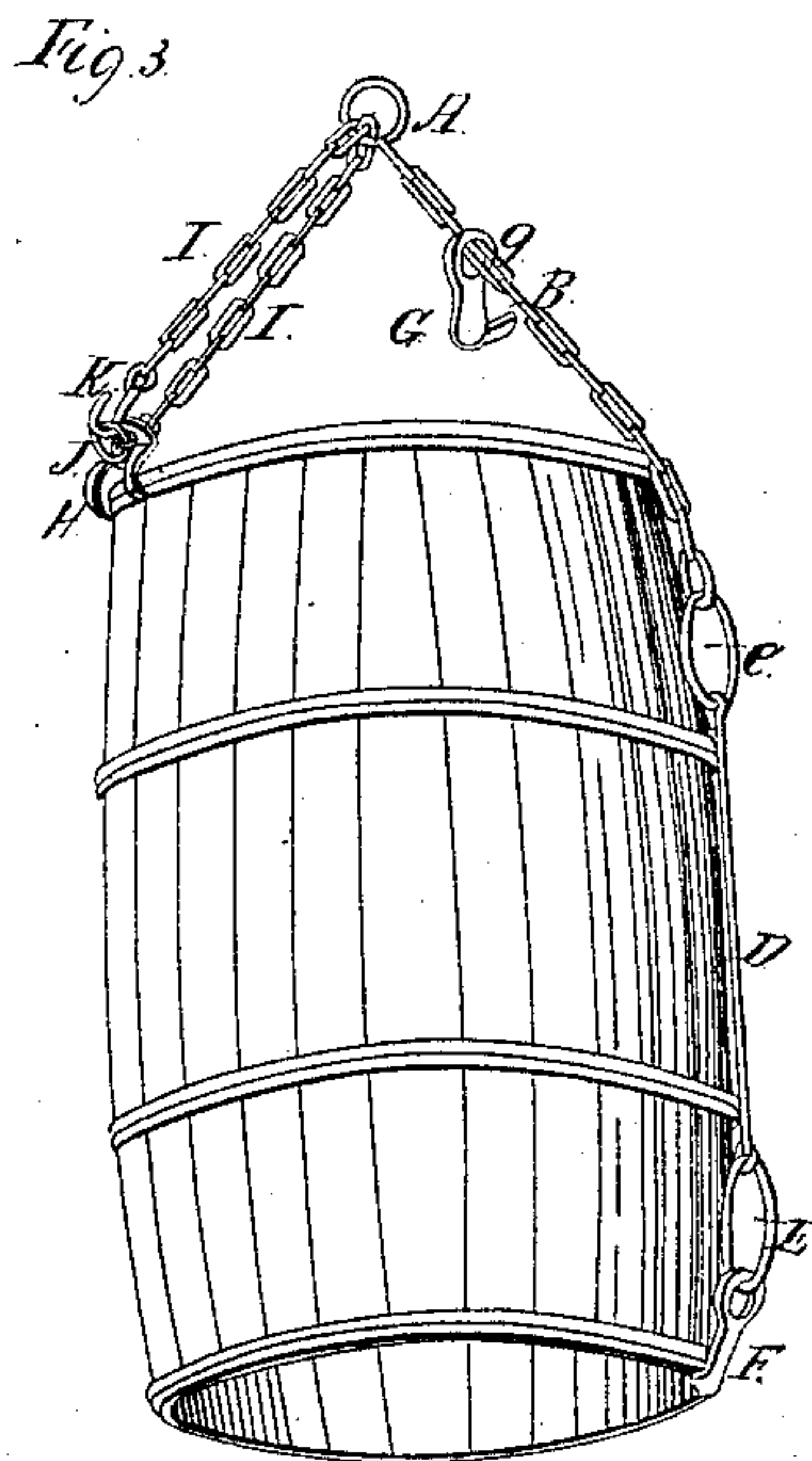
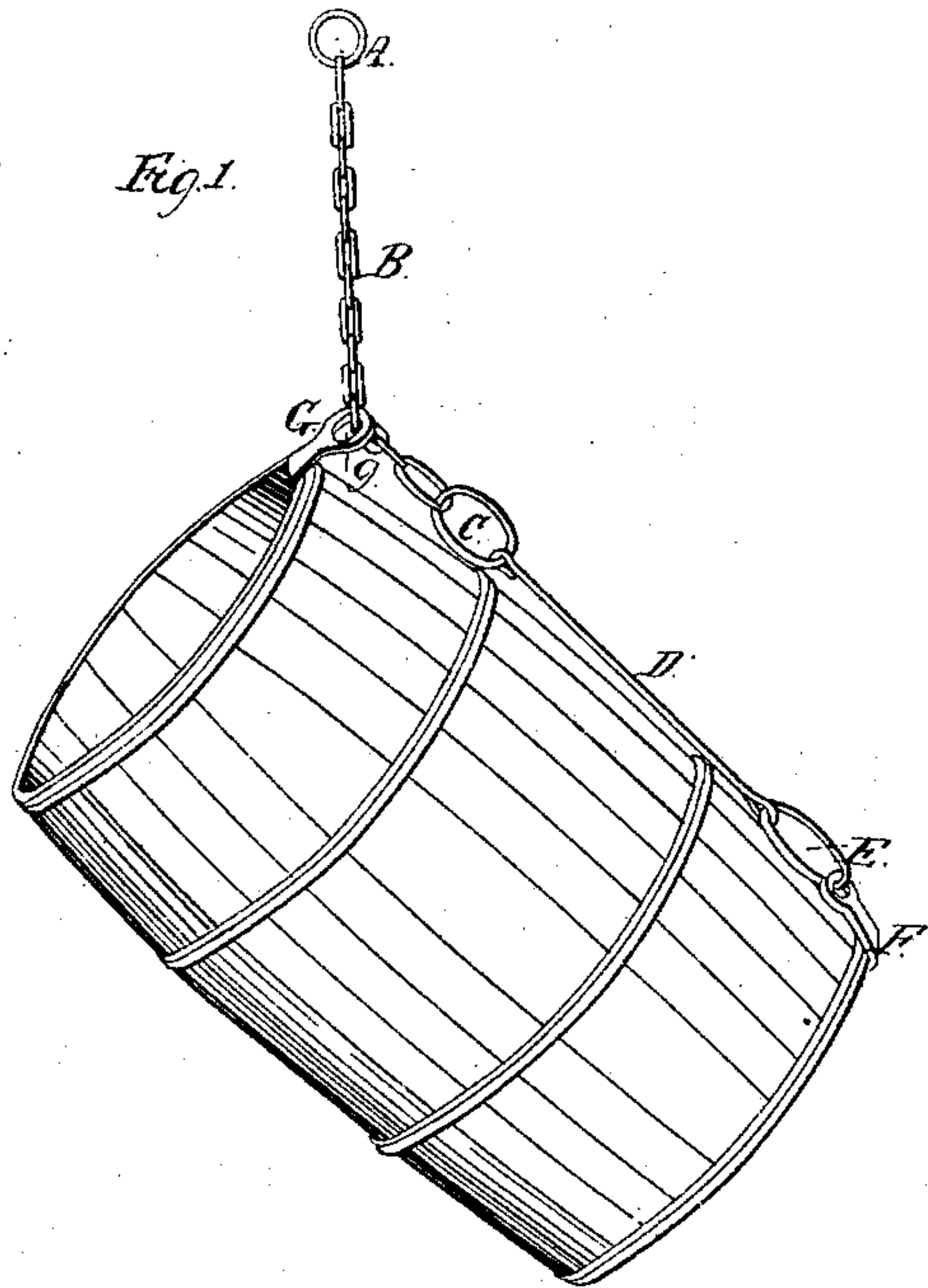


T. Hopkins,

Cart Hook,

No 62,489,

Patented Feb. 26, 1867.



Witnesses.
J. H. Layman
Sam. Knight

Inventor.
Thomas Hopkins
By Knight Bros.
Attorneys

United States Patent Office.

THOMAS HOPKINS, OF CINCINNATI, OHIO.

Letters Patent No. 62,489, dated February 26, 1867.

IMPROVEMENT IN CANT-HOOKS.

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

TO WHOM IT MAY CONCERN:

Be it known that I, THOMAS HOPKINS, of Cincinnati, Hamilton county, Ohio, have invented a new and useful Cant-Hook, and do hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification.

My invention relates to a construction of cant-hook or grappling-iron, having a great variety of uses, but especially designed to facilitate the hoisting of barrels.

Figures 1, 2, and 3 are perspective views, showing different applications of the improved cant-hook.

Figure 4 shows my auxiliary hook or claw detached.

Depending from a ring, A, is a chain, B, which is connected to another ring, C, which ring is connected by rod D with a third ring, E, from which depends a hook, F. The chain B is roved loosely through the eye of a second hook, G. H is an auxiliary hook or claw, roved loosely upon a chain, I, which is terminated by a ring, J, and hook, K, at its several ends.

When it is desired to lift a barrel which is open above end, as is the case with many barrels of fruit, vegetables, charcoal, &c., the hook F is engaged under the lower and the hook G over the upper chine, and the chain B being drawn tightly through the eye of the second hook. The ring A is engaged over the hook of the crane, or other hoisting apparatus employed. But for hoisting a barrel in the horizontal position shown at fig. 2, the two hooks F and G are engaged as before, but the chain B is drawn through in the opposite direction, and the barrel suspended by means of the ring C. For lifting a barrel in the inverted position shown at fig. 3, the hook F is engaged under the chine of the open end, and the auxiliary chain I, being roved through the ring of the claw H, is engaged beneath the chine hoop of the closed end, and the hook K is engaged either in the ring J or in one of the links of the chain I, so as to bring the ring vertically over the centre of the barrel. The hoist being then applied and set in motion, the barrel is lifted in the inverted position so as to empty its contents upon the floor. The ring E may be omitted and the rod D engage directly in the hook F.

I claim herein as new, and of my invention—

1. The combination of the rings A C, chain B, rod D, hook F, and sliding-hook G, when arranged and adapted for use in either of the positions represented in figs. 1 and 2, as and for the purposes described.

2. In combination with the elements of the preceding clause, I claim the use of the auxiliary chain I and its appurtenances, for the purpose stated.

In testimony of which invention I hereunto set my hand.

THOMAS HOPKINS.

Witnesses:

GEO. H. KNIGHT,

JAMES H. LAYMAN.