

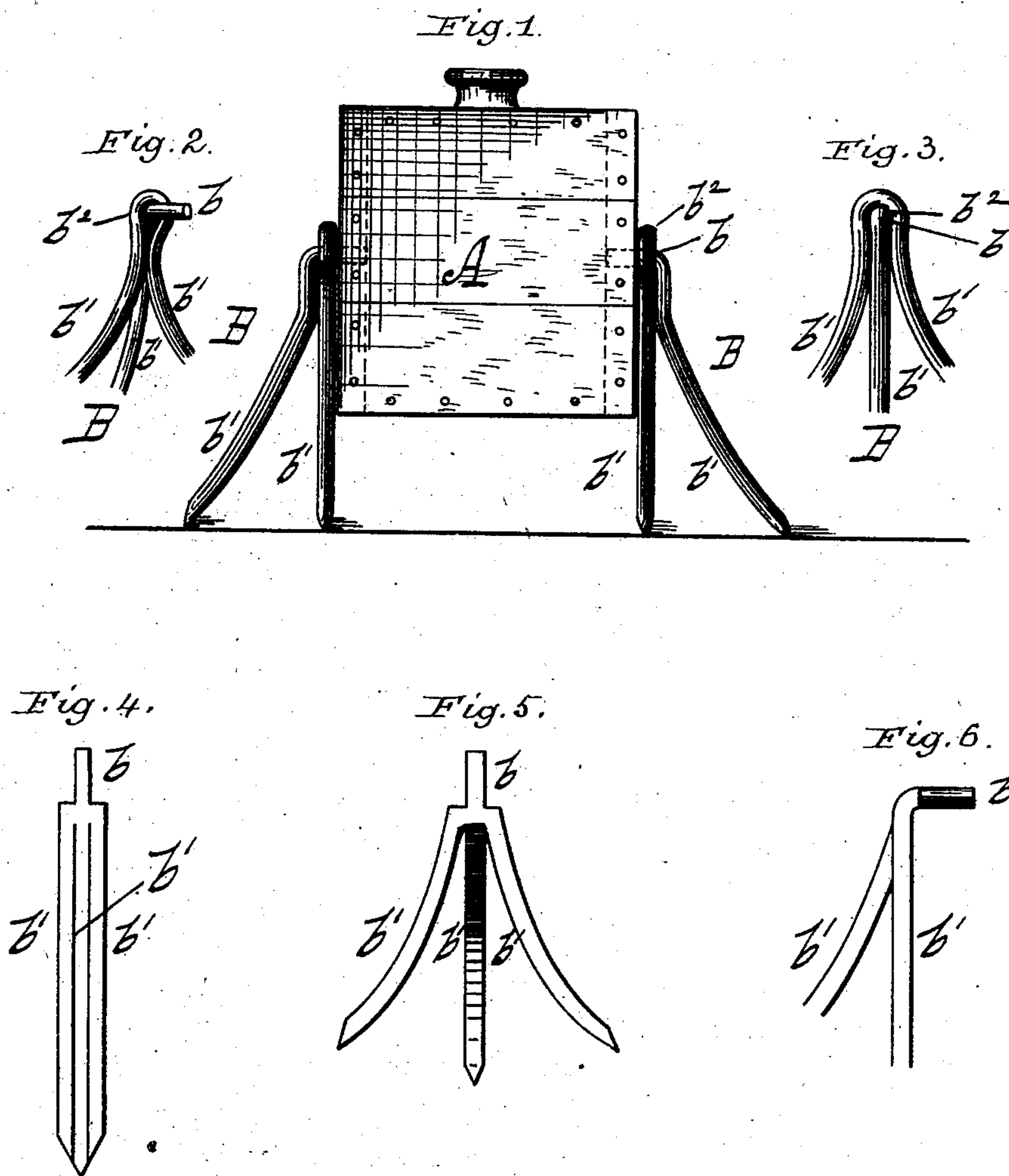
(No Model.)

C. T. ARMSTRONG.

CARBOY STAND.

No. 272,512.

Patented Feb. 20, 1883.



Witnesses:
W. B. Masson
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Att'y.

UNITED STATES PATENT OFFICE.

CHARLES T. ARMSTRONG, OF CORUNNA, MICHIGAN.

CARBOY-STAND.

SPECIFICATION forming part of Letters Patent No. 272,512, dated February 20, 1883.

Application filed December 22, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES T. ARMSTRONG, a citizen of the United States, residing at Corunna, in the county of Shiawassee and State of Michigan, have invented certain new and useful Improvements in Carboy-Stands; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention has for its object the provision of simple, cheap, and serviceable means for decanting liquids from large and cumbersome casks, cans, and other vessels, and especially acids and other dangerous fluids from carboys of usual construction; and my invention consists in a trestle or stand adapted to the purpose in view, and possessing the characteristics hereinafter described, and specifically set forth in the claims.

Referring to the drawings, Figure 1 is an elevation of a carboy, supported by a stand constructed in accordance with my invention. Fig. 2 is a perspective, and Fig. 3 an elevation in detail, of the head of one of the trestles of the standard. Figs. 4, 5, and 6 are modifications hereinafter described.

Like letters refer to like parts in all the figures.

A, Fig. 1, represents a carboy of usual construction. Heretofore trunnions have been secured to the carboy, and these interfere with a close arrangement of a number of carboys during transportation, and when said trunnions have been secured to the trestles these have been firmly united at their bases to a permanent foundation, so that they were adapted to sustain only carboys of a certain width or size, and such constructions require unnecessarily large floor-space for their storage.

The object of my invention is to construct each trunnion-support independent—that is, separate from or adjustable with reference to its mate, and adapted to maintain an upright position. I construct the trestles so that no additional mechanism is required in a carboy. Merely the boring of a hole of suitable diameter—that is, at least greater than that of the trunnion—about one inch above the longitudinal and vertical center of each of any two opposite sides of the carboy, adapts it to receive the trunnion. If desired, a short length of pipe

of suitable size may be driven into the hole to form a metal bearing for the trunnion. I dispense with the foundation, which heretofore has united the two trunnion-supporting trestles, by merely sharpening the feet of my trestle, whereby they are adapted to take firmly in any floor or ground where it is desired to use them; or I may flatten and enlarge the foot of the leg or legs of the trestle, or construct a separate foundation for each trunnion-bearing trestle, and secure the foot or feet, leg or legs, therein or thereon, so that in either construction I have trunnion-bearing trestles adapted to be adjusted in relative position one to the other, and capable of maintaining an upright position, so that a carboy or similar vessel may be supported thereon at one side and by any suitable means at the other side, or by a trestle at each side, and liquid decanted therefrom.

B represents a trestle having the desired characteristics—viz., a trunnion, *b*, and three legs, *b'*, the ends or feet of which are sharpened, as shown. Now, I may construct these trestles of two pieces of round iron, one long enough to make one leg, *b'*, and an integral trunnion, *b*, bent substantially at a right angle thereto, and the other long enough to form the remaining two legs and an integral eye, *b²*, through which the trunnion *b* is passed, and the parts may then be welded or brazed together at their contact-surfaces; or I may construct the trunnion and legs from one piece of suitable sheet or plate metal by forming at one end the trunnion *b*, (see Fig. 4,) and slitting the same longitudinally twice to form the three legs, and cutting the end to a V shape to form the points or feet, and subsequently bending the trunnion at a right angle to the length of the piece and curving the legs, as shown—that is, the two outside legs oppositely and in the same plane and the central leg outwardly and at a right angle to the plane of the others.

Now, it will be seen that a carboy having holes in opposite sides may be mounted on the trunnions and tilted thereon so as to decant the contents without danger of jarring the carboy and breaking it and spilling the liquid, and that when emptied or at other times the same trestles may be applied to other carboys, so that a druggist can, with a single pair of trestles, serve the contents of his whole line of carboys; or if desired, on account of their cheap-

noss, a complete outfit of trestles can be provided for the entire stock of carboys, and in either instance the dangers of handling and decanting the acids are overcome.

5 I do not limit myself to the trunnion-supporting trestles of more than one piece, or with more than one leg, but should deem any trunnion-bearing trestle—that is, any trestle provided with a trunnion which is adapted to
10 maintain an upright position—ascomprehended by my invention. The head of the trestle may be cast with a hole or holes for the reception of a leg or legs, and such legs may be pivotally secured to the head, as in ordinary tripod
15 pods.

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

20 1. An independent trestle provided with a trunnion and adapted to maintain an upright position, substantially as and for the purpose set forth.

25 2. An independent trestle provided with an integral trunnion and adapted to maintain an upright position, substantially as and for the purpose set forth.

3. A trestle for carboys, having an integral trunnion and sharpened legs, substantially as shown and described.

4. A trestle for carboys or other vessels, 30 comprising a trunnion, two legs in a common plane, and a third leg in a plane at an angle to that of the two legs, substantially as shown and described.

5. A trestle for carboys and other vessels, 35 formed of one piece of metal, and having a trunnion and legs, substantially as shown and described.

6. A trestle for carboys or other vessels, 40 comprising a trunnion, two legs in a common plane, and a third leg in a plane at an angle to that of the two legs, and each of the legs being sharp at their ends, substantially as shown and described.

In testimony whereof I affix my signature in 45 presence of two witnesses.

CHARLES T. ARMSTRONG.

Witnesses:

ROLLIN E. KELSEY,
GEO. A. DIBBLE.