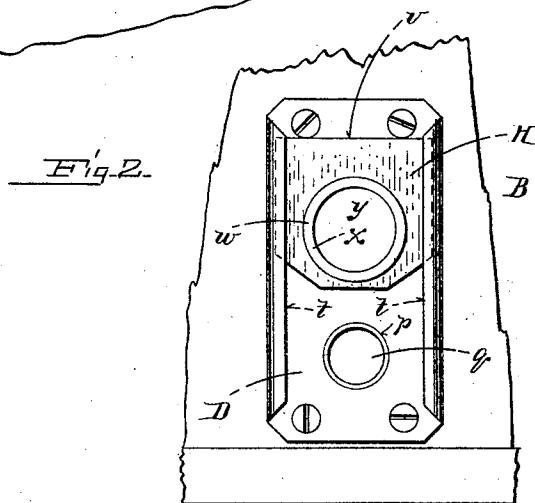
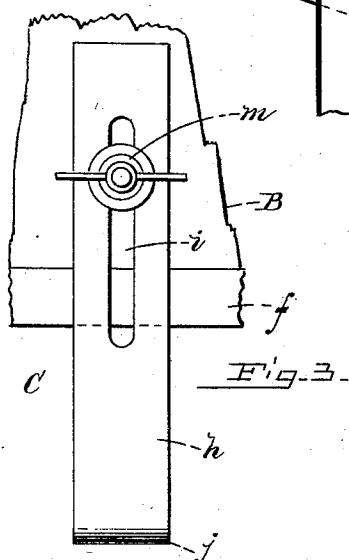
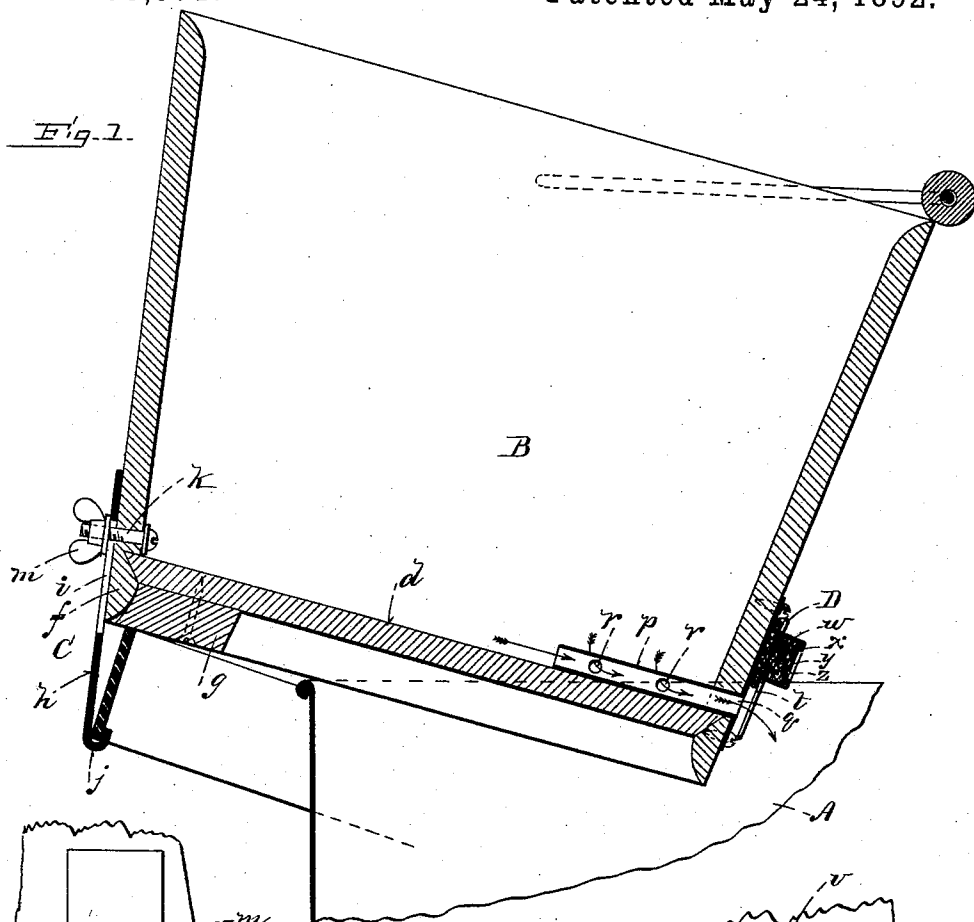


(No Model.)

G. K. KNOWLTON.
DRAINING BUCKET FOR WASH BOILERS.

No. 475,571.

Patented May 24, 1892.



WITNESSES:
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UNITED STATES PATENT OFFICE.

GEORGE K. KNOWLTON, OF HAMILTON, MASSACHUSETTS.

DRAINING-BUCKET FOR WASH-BOILERS.

SPECIFICATION forming part of Letters Patent No. 475,571, dated May 24, 1892.

Application filed August 24, 1891. Serial No. 403,518. (No model.)

To all whom it may concern:

Be it known that I, GEORGE K. KNOWLTON, of Hamilton, in the county of Essex, State of Massachusetts, have invented certain new and useful Improvements in Draining-Buckets for Wash-Boilers, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a vertical transverse section of my improved bucket, shown in position on a boiler, the body of the boiler being represented as broken away; Fig. 2, an elevation showing the gate or shut-off, and Fig. 3 an elevation showing the clamp.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to a bucket for draining and transporting clothes from wash-boilers, and which is also adapted for the uses of the ordinary wooden bucket; and it consists in certain novel features hereinafter fully set forth and claimed, the object being to produce a simpler, cheaper, and more effective device of this character than is now in ordinary use.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the boiler and B the bucket, which is of the ordinary form of wooden buckets of this class. Secured to the bottom *d* and flush with the end of the chine *f* there is a bearing-block *g*.

The clamp C comprises a plate *h*, slotted longitudinally at *i*, and provided with a hook-shaped lower end *j*. A screw *k* passes through a stave of the bucket above the bottom and vertically above the block *g*. Said screw projects through the slot *i* of the plate *h*, and a thumb-nut *m* is turned thereon, clamping said plate to the bucket. At the side of the bucket diametrically opposite the screw *k* a drain-tube *p* is disposed on the bottom *d*, its outer end opening at *q* through the adjacent stave.

Said tube is open at both ends and has perforations *r* in its sides within the bucket to prevent the clothes clogging the flow. On the outer face of the bucket and surrounding the mouth of the drain-tube there is a vertically-arranged plate D, having its edges bent or folded inward to form ways *t* for the gate or shut-off H. The gate comprises a plate *v*, fitted to slide tightly in the ways *t*, and provided with a centrally-disposed laterally-projecting cylinder *w*, the outer end of which has an inwardly-projecting annular flange *x* to hold a disk *y*, which secures a packing of cork or similar material *z* within the cylinder. Said packing when the gate is forced downward closes the mouth *q* of the tube *p*. When used for the ordinary purposes of a bucket, the gate is thus closed and the clamp C pushed upward until its hook *j* meets the block *g*, in which position it is secured by the nut and bolt. For use as a draining-bucket the clamp is projected and the bucket disposed on the edge of the boiler A, as shown, the hook *j* of the clamp being arranged under the handle *b* of the boiler and drawn tightly, clamping said handle against the bearing-block *g*. As thus placed the bucket inclines within the boiler. The wet clothes being disposed therein by opening the gate H, drainings therefrom will run through the tube into the boiler. The bearing-block *g* prevents lateral tilting of the bucket.

Having thus explained my invention, what I claim is—

1. The combination of a bucket with a drain-tube opening through a side thereof, a shut-off for said tube, and an adjustable clamp on said bucket, adapted to detachably secure it to the handle of a wash-boiler, substantially as described.

2. In a bucket, a drain-tube opening through the side thereof, in combination with ways on the outside of said bucket at the tube-mouth, a gate fitted to slide in said ways and close said mouth, and mechanism for securing the bucket in inclined position on a wash-boiler, substantially as set forth.

3. The bucket provided with the drain-tube and shut-off, in combination with the slotted clamp C, having the hook end *j* and the bolt

k and nut *m*, arranged substantially as described.

4. The bucket provided with the drain-opening and shut-off, in combination with the
5 hooked clamp *C* and adjusting mechanism, and the bearing-block *g*, secured to the bucket-bottom adjacent said clamp, substantially as described.

5. The bucket *B*, in combination with the
10 perforated drain-tube *p*, the ways *t*, the gate

H, fitted to slide therein and provided with the stuffing *z*, the hooked clamp *C*, adjustable on said bucket, and the bearing-block *g*, all being arranged to operate substantially as described.

GEORGE K. KNOWLTON.

Witnesses:

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