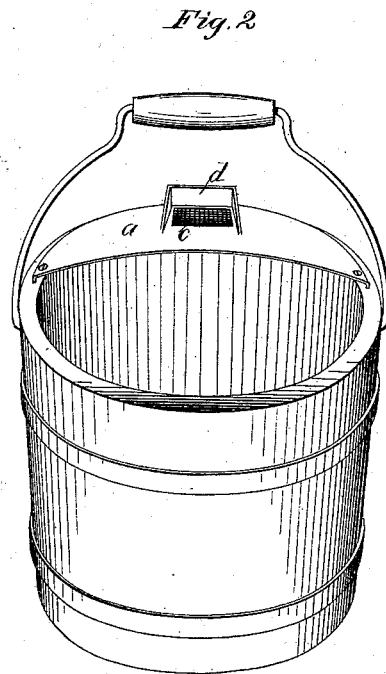
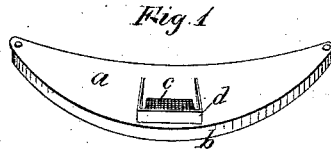


W. H. THRIFT.
STRAINER PAIL.

No. 190,170.

Patented May 1, 1877.



Witnesses;

C. A. Johnson
Franklin Harrison.

Inventor

William H. Thrift,
Thomas G. Orwig
Attorney

UNITED STATES PATENT OFFICE.

WILLIAM H. THRIFT, OF NEWTON, IOWA.

IMPROVEMENT IN STRAINER-PAILS.

Specification forming part of Letters Patent No. **190,170**, dated May 1, 1877; application filed January 4, 1877.

To all whom it may concern:

Be it known that I, WILLIAM H. THRIFT, of Newton, in the county of Jasper, and State of Iowa, have invented an Attachment for Wooden Buckets, of which the following is a specification:

The object of my invention is to adapt wooden buckets to be used advantageously as milk-pails, and for pouring and straining liquids of all kinds. It consists in combining a straining and pouring device with the top edge of a wooden bucket, as hereinafter fully set forth.

Figure 1 of my drawing is a perspective view, illustrating the construction of a straining and pouring device formed of sheet metal, or other suitable plate, and specially adapted to be tightly joined to the top edge of a wooden pail without adding any packing material. *a* is a crescent-shaped plate, preferably convex on top. Its outside edge is concentric with the pail, and extends sufficiently in length to cover about one-third part of the top edge of the pail. *b* is a vertical flange rigidly fixed on the under-side of the outside edge of the plate *a*. It has a sharp edge, adapting it to be readily pressed into the top edge of a wooden bucket. *c* is a strainer fixed in the plate *a*. *d* is a pouring spout or lip fixed around the strainer *c*.

Fig. 2 is a perspective view of a wooden pail, and illustrates the construction and operation of my complete invention.

The sharp edge of the metal flange *b* is embedded in the wood of the bucket by simply placing it in proper position and then pressing upon the plate *a* sufficiently to force the rim or flange *b* into the wood, to remain there

permanently, and to retain the plate *a*, having the strainer *c* and spout *d* tightly joined to the top edge of the pail. To aid in thus fixing the rim *d* in the wood a channel of corresponding size and shape may be first formed in the wood with a suitable instrument to admit the flange and diminish the amount of force required to sink and fix it tightly in its place. Screws may be put through the ends of the plate *a* into the wood, as an additional means of securing the same in its place.

I am aware that breasts having straining and pouring devices have been formed integral with tin buckets, and that sheet-metal breasts having straining and pouring devices have been formed complete in themselves, and attached to pails by means of clamping devices and packing material; but I claim that my manner of rigidly and permanently securing a sheet-metal breast having a straining and pouring device to a wooden bucket, by embedding the metal-flange *b* into the wood to form a tight joint without packing material, is a novel and valuable improvement in wooden pails.

I claim as my invention—

As an improved article of manufacture, a wooden bucket having a combined straining and pouring device, *a c d*, rigidly attached and tightly joined by embedding the metallic flange *b* in the top edges of the wooden staves, substantially as and for the purposes specified.

WILLIAM HAMILTON THRIFT.

Witnesses:

SAML. H. CHRYTON,
D. D. PIPER.