

(No Model.)

L. J. NOBLE.
PAIL.

No. 520,074.

Patented May 22, 1894.

Fig. 2

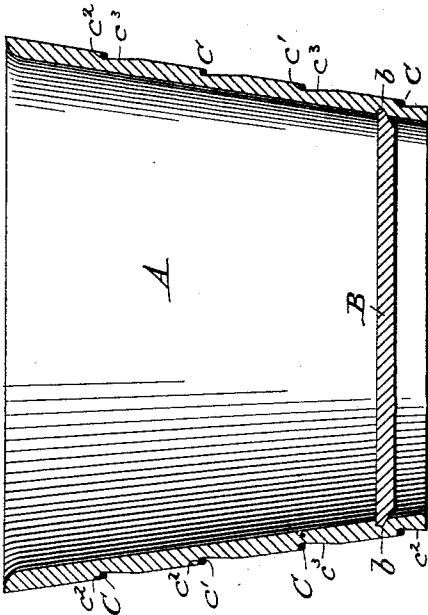


Fig. 4.

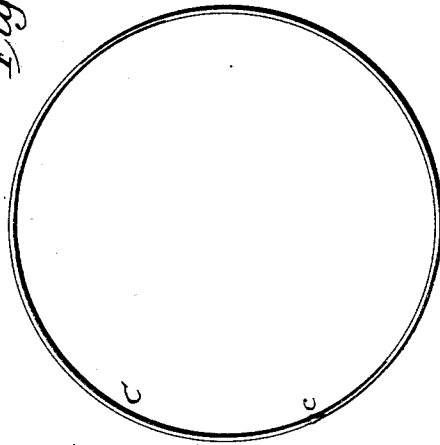


Fig. 1

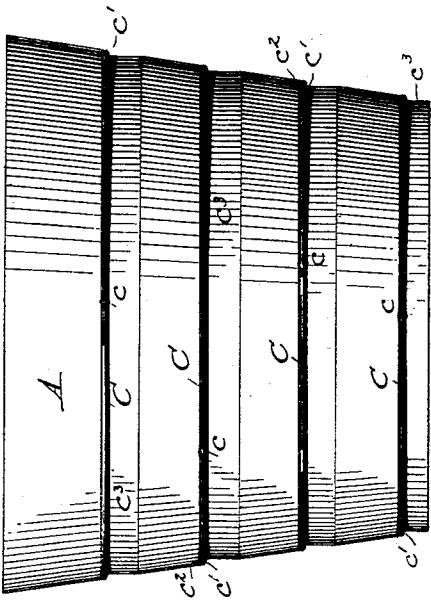
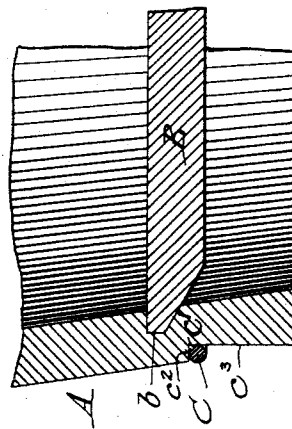


Fig. 3.



Witnesses:

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UNITED STATES PATENT OFFICE.

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SPECIFICATION forming part of Letters Patent No. 520,074, dated May 22, 1894.

Application filed March 20, 1894. Serial No. 504,439. (No model.)

To all whom it may concern:

Be it known that I, LEANDER J. NOBLE, a citizen of the United States, residing at Menasha, in the county of Winnebago and State of Wisconsin, have invented certain new and useful Improvements in Pails, of which the following is a specification.

The object of my invention is to provide a strong, cheap and durable pail.

10 My invention relates particularly to the manner of hooping the pail, and consists in arranging wire hoops in recesses or cut-away portions in the body of the pail in the manner hereinafter more fully described.

15 In the accompanying drawings, illustrating my invention, Figure 1 is a front elevation of a pail or bucket with my improvements applied. Fig. 2 is a vertical, central section thereof. Fig. 3 is a view on an enlarged scale showing the manner of securing the bottom 20 of the bucket in place. Fig. 4 is a plan view of one of the hoops.

The body A, of the bucket may be made up of staves in the usual way. The bottom B, 25 is also of usual construction, and is fitted in the croze or annular groove *b*. I employ wire hoops C, and preferably weld them together by electricity at *c*. Preferably, I employ four hoops, and arrange them in annular recesses 30 *c'*, in the body of the bucket. These recesses are formed with horizontal, overhanging ledges *c''*, and vertical or perpendicular surfaces *c'''* forming a groove substantially triangular in cross section. In the angles of

these grooves, the hoops fit closely. By this 35 arrangement I am enabled to drive the hoops home in such manner as to produce a tight and durable connection, and when driven home the hoops will lie in the recesses, their outer surfaces being in line or substantially 40 in line with the body of the bucket. In this way the buckets may be nested for transportation, there will be no danger of the hoops being knocked off, and space is economized. The bottom hoop is arranged, as shown, be- 45 low the bottom B. By this arrangement, the chine is made shorter and stronger than it would be if the hoop were placed above the crozing. The surfaces *c'''* being perpendicular, there is not that liability for the hoops 50 to crawl downwardly, as there is, or would be, when the hoops rest on inclined surfaces.

I claim as my invention—

1. A pail having the hoops arranged in recesses formed with straight or perpendicular 55 surfaces, forming with a horizontal ledge a seat for the hoop.

2. A pail, flaring from its lower end upwardly, having its hoops arranged in seats formed with perpendicular surfaces and hori- 60 zontal ledges.

In testimony whereof I have hereunto subscribed my name.

LEANDER J. NOBLE.

Witnesses:

W. F. ANKLAM,
H. J. MAYER.