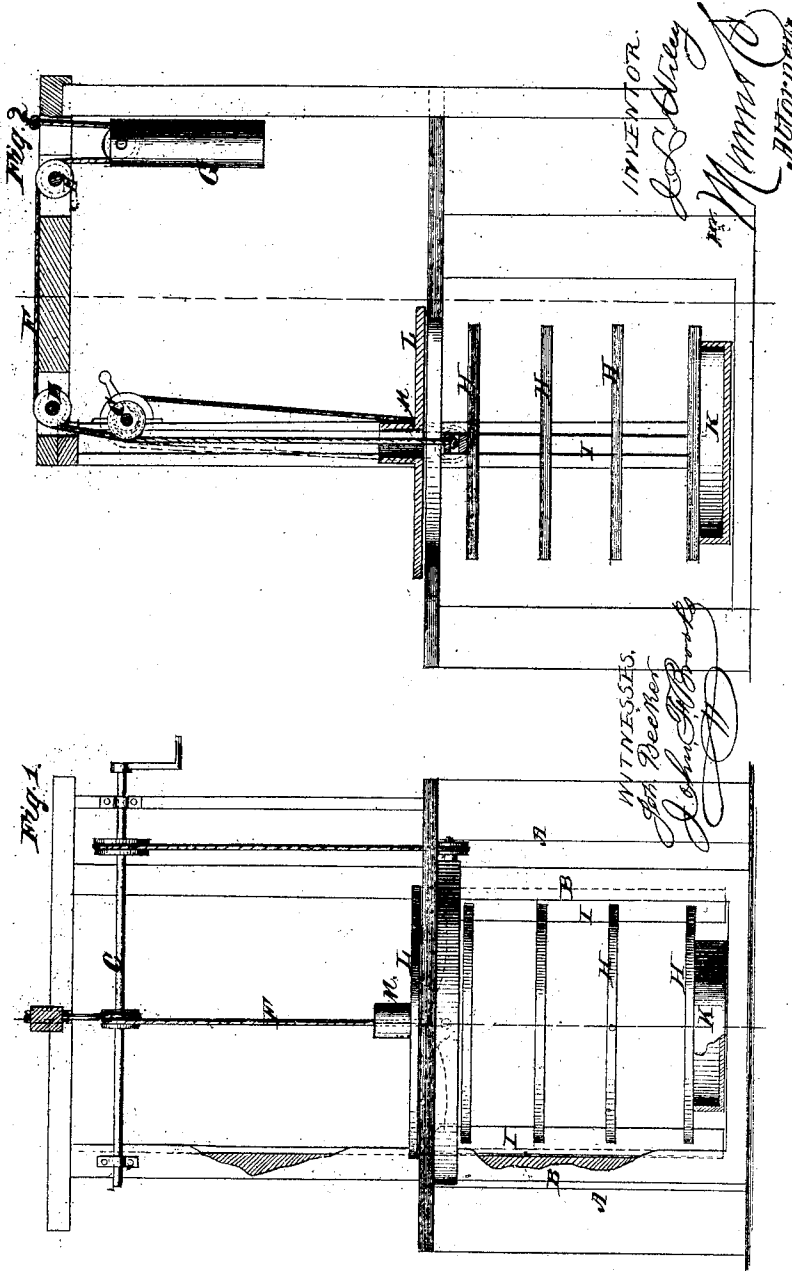


J. L. WILEY.

REFRIGERATING ATTACHMENT FOR WELLS.

No. 104,523.

Patented June 21, 1870.



United States Patent Office.

JOHN L. WILEY, OF VERMONT, ILLINOIS.

Letters Patent No. 104,523, dated June 21, 1870.

IMPROVEMENT IN REFRIGERATING-ATTACHMENT FOR WELLS.

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

To all whom it may concern:

Be it known that I, JOHN L. WILEY, of Vermont, in the county of Fulton and State of Illinois, have invented a new and improved Refrigerator-Attachment to Wells; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

This invention relates to apparatus for use in connection with wells for the reception and suspension immediately above the water, of articles of food for preservation in warm weather; and

It consists in the combination and construction of parts, as hereinafter specified.

Figure 1 represents an elevation of my improved apparatus as applied to a well, and partly broken out to show the vertical guide and the air-chamber, and

Figure 2 represents a sectional elevation of the same.

Similar letters of reference indicate corresponding parts.

A represents the side walls of the well.

B, the vertical rails or guides. These latter extend considerably above the top of the well, and support a framing, whereon is mounted the winding hand-crank shaft C, guide-pulleys E, cord F, and balance-weight G.

The crib consists of a number of shelves, H, suitably connected to bars I, working in the grooves of the

ways or guides, and an air-chamber, K, attached to the bottom.

This crib is connected to the cord F, which passes through a central hole in a cover, L, designed to cover the top of the well, except a small central space, M, for an air-passage. This will be raised by the crib when it comes up, and let down again to its position when the said crib goes down.

The counterbalance weight is intended to hold the crib lightly on the surface of the water, so that, together with the buoyancy afforded by the air-chamber, the crib will thereby be maintained on the surface of the water, although the latter rises or falls.

By this simple apparatus articles requiring to be maintained at a low degree of temperature may be conveniently supported on the surface of the cool water of the well.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

1. The arrangement, with the crib and cord, of the cover L, to operate as specified.

2. The ways B, crib H I, and chamber K, cover L, cord F, balance-weight G, crank-shaft C, and guide-pulleys E E, all combined and arranged as and for the purpose specified.

JOHN L. WILEY

Witnesses:

JACKSON KIMBLE,
MARCUS M. CLARK.