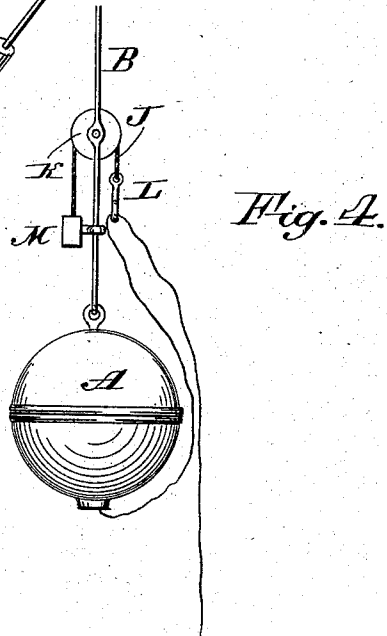
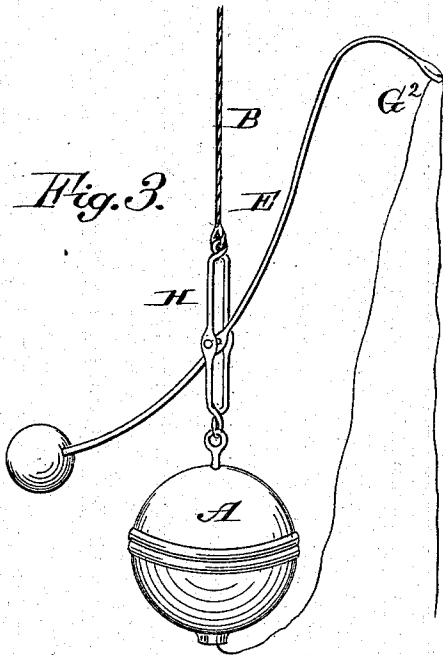
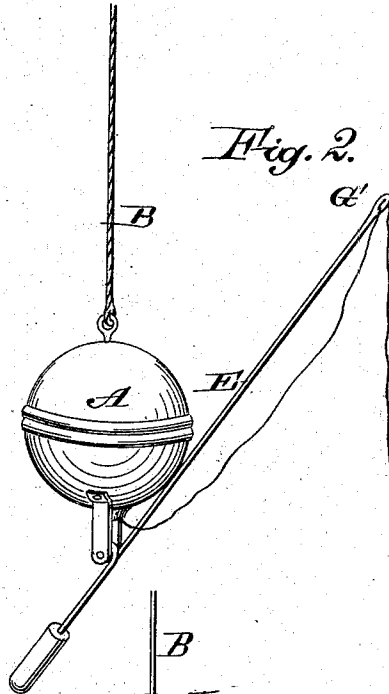
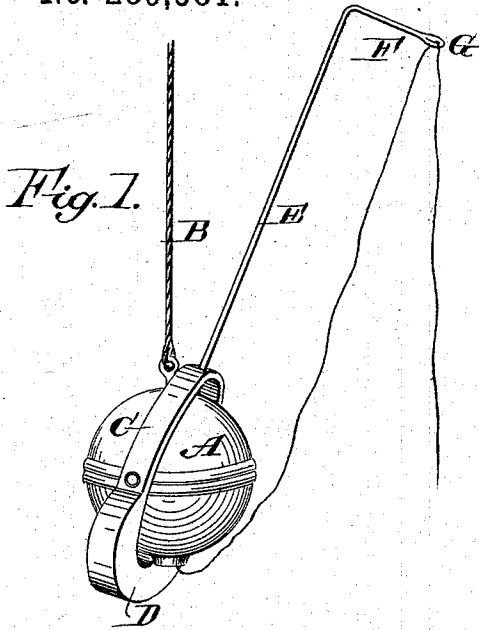


(No Model.)

A. B. TOMLIN.
TWINE HOLDER AND LIFTER.

No. 289,581.

Patented Dec. 4, 1883.



WITNESSES:

H. Oberer
C. Sedgwick

INVENTOR:

A. B. Tomlin
BY *Munn & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ALBERT BAKER TOMLIN, OF FORT COLLINS, COLORADO.

TWINE HOLDER AND LIFTER.

SPECIFICATION forming part of Letters Patent No. 289,581, dated December 4, 1882.

Application filed June 19, 1883. (No model.)

To all whom it may concern:

Be it known that I, ALBERT B. TOMLIN, of Fort Collins, Larimer county, Colorado, have invented a new and Improved Twine Holder and Lifter, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved attachment to twine-holders for lifting or raising the free end of the twine, so that it will be out of the way when not in use, but can be reached very easily when required.

The invention consists of the combination and arrangement of parts, substantially as hereinafter fully set forth.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a perspective view of my improved twine holder and lifter. Figs. 2 and 3 are perspective views of modifications of the same, and Fig. 4 is a side view of another modification.

In Fig. 1 the twine-holder or cage A, of the usual construction, is suspended by means of a cord or wire, B, from the ceiling or some other object overhead. The cage A is pivoted in a ring, C, surrounding it, which ring is of such size that it can swing easily around the cage. One half or part of the ring C is weighted by means of a weight, D, formed on or attached to the same in any suitable manner. From the opposite side of the ring a wire, E, projects, which is provided at the end with a bend, F, in the end of which a loop or eye, G, is formed, through which the twine is passed.

In the construction shown in Fig. 2 the rod or wire E is pivoted to the bottom of the cage, and has one end weighted, and is provided at the other end with loop or eye G', through which the twine is passed.

In the modification shown in Fig. 3 the rod or wire is curved, and is pivoted in a frame, H, from which the cage is suspended, which wire is weighted at one end, and has an eye or loop, G'', at the opposite end, through which the twine is passed. The weight always holds that end of the wire or rod provided with the eye raised. If the twine is pulled down, the rod or wire E is swung down, and when the free end of the twine is released the weight swings the eye end of the wire upward and raises the twine, so that the free end of the twine will be out of the way.

In the modification shown in Fig. 4 a wire or cord, J, passes over a pulley, K, held above the cage, on one end of which wire a loop or eye, L, is formed, and to the other end a weight, M, is attached, which is guided to move up and down on the wire or cord B. The twine is passed through the eye L, and if the twine is drawn down the eye L is drawn downward and the weight M is raised. If the cord is released, the weight slides down the wire or cord B and raises the eye L and the twine passed through it.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

The combination, with a twine-holder, of a pivoted ring surrounding the said twine-holder, which ring has a part weighted, and has a rod or wire projecting from the part opposite the weighted part, which rod or wire is provided in its free end with a loop or eye, substantially as herein shown and described, and for the purpose set forth.

ALBERT BAKER TOMLIN.

Witnesses:

NEWTON G. VOSLER,
FRANK E. GIFFORD.