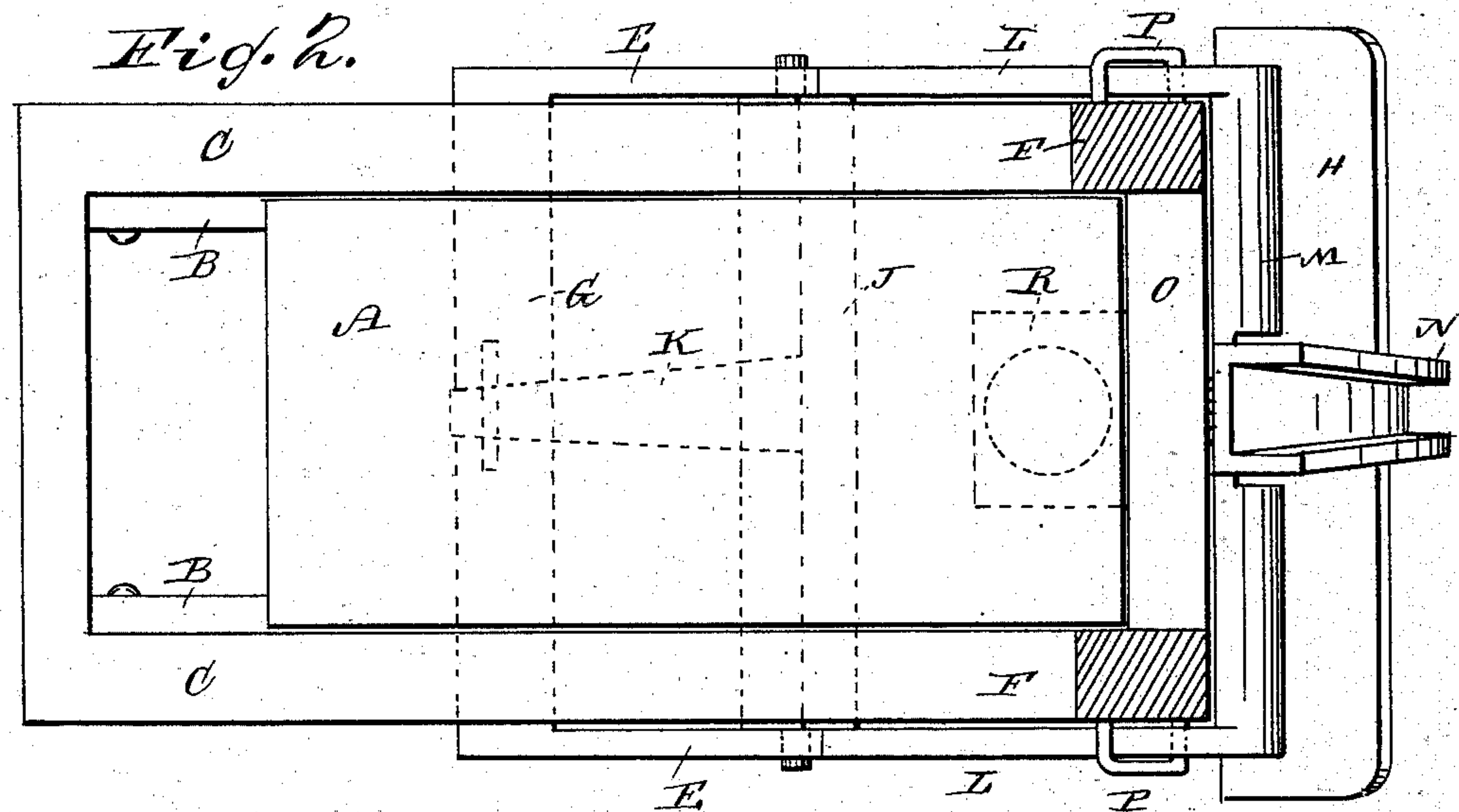


H. P. BULLOCK & H. B. COOK.

No. 325,816.

Patented Sept. 8, 1885.



WITNESSES:

Theo. G. Water.
C. Sedgwick

INVENTOR:

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UNITED STATES PATENT OFFICE.

HENRY P. BULLOCK AND HENRY B. COOK, OF JONESBOROUGH, TEXAS.

WELL-COVER.

SPECIFICATION forming part of Letters Patent No. 325,816, dated September 8, 1885.

Application filed May 19, 1885. (No model.)

To all whom it may concern:

Be it known that we, HENRY P. BULLOCK and HENRY B. COOK, both of Jonesborough, in the county of Coryell and State of Texas, have invented a new and Improved Well-Cover, of which the following is a full, clear, and exact description.

The object of our invention is to provide a new and improved cover for wells, cisterns, &c., which cover is so constructed and arranged that it can be moved back by stepping on a step in front of it, and is automatically closed when the pressure is removed.

The invention consists in the combination, with a sliding cover, of pivoted levers united by a step and connected by a bar with the said cover.

The invention also consists in the combination, with the sliding cover and the levers, of a hinged trough or spout and arms projecting from the levers and united by a cross-bar below the spout.

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

Figure 1 is a side view of our improved well-cover and its frame, parts being broken out. Fig. 2 is a sectional plan view of the same.

The cover A rests upon cleats B, secured on the inner sides of side bars, C, secured on posts D F, the cover being adapted to slide in the direction of its length.

Two levers, E, are pivoted to the posts F, and are united at their inner ends by a heavy cross-piece, G, and at the front ends by a step, H.

A cross-bar, J, is journaled in the levers E, midway between the rear cross-piece and the pivots, and is connected by a pivoted bar, K, with the under side of the cover A.

Arms L, secured to the levers E, are inclined upward from the same, and have their upper ends united in front of the posts F by a rounded cross-bar, M, which rests against the under side of a trough or spout, N, hinged at its inner end to a cross-piece, O, uniting the posts F. The arms L pass through guides P on the sides of the posts F.

The tube R, through which the water bucket

is raised, extends up to the sliding cover, directly behind the cross-piece O.

The operation is as follows: When water is to be drawn, the foot is placed on the step H and the same pressed down, whereby the rear ends of the levers E are raised, and the bar K, acting on the sliding cover A, moves the same in the direction of the arrow *a'* and off the top of the well-tube R. The cross-bar M, which is also raised by pressing down the step H, acts on the spout N, and swings the same upward. When the foot is removed from the step H, the inner ends of the levers E swing downward, and the bar K draws the cover A in the inverse direction of the arrow *a'* and over the top of the well-tube R.

The above-described well-cover mechanism can also be used on granaries or for other purposes where the gates are to be closed automatically.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

1. The combination, with a sliding cover, of pivoted levers united by a step and connected by a bar with the sliding cover, substantially as herein shown and described.

2. The combination, with a sliding cover, of the pivoted levers E, united in front of the pivots by a step, H, the cross-bars J, uniting the levers between their pivots and their inner ends, and the bar K, connecting the cross-bar J with the cover, substantially as herein shown and described.

3. The combination, with a sliding cover and a hinged spout, of pivoted levers connected by a bar with the sliding cover, and of arms projecting from the levers and united by a cross-bar under the hinged spout, substantially as herein shown and described.

4. The combination, with the sliding cover A, of the posts F, the levers E, the step H, the bar K, connecting them with the sliding cover, the arms L, united by cross-bar M, and of the hinged spout N, substantially as herein shown and described.

HENRY P. BULLOCK.
HENRY B. COOK.

Witnesses:

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