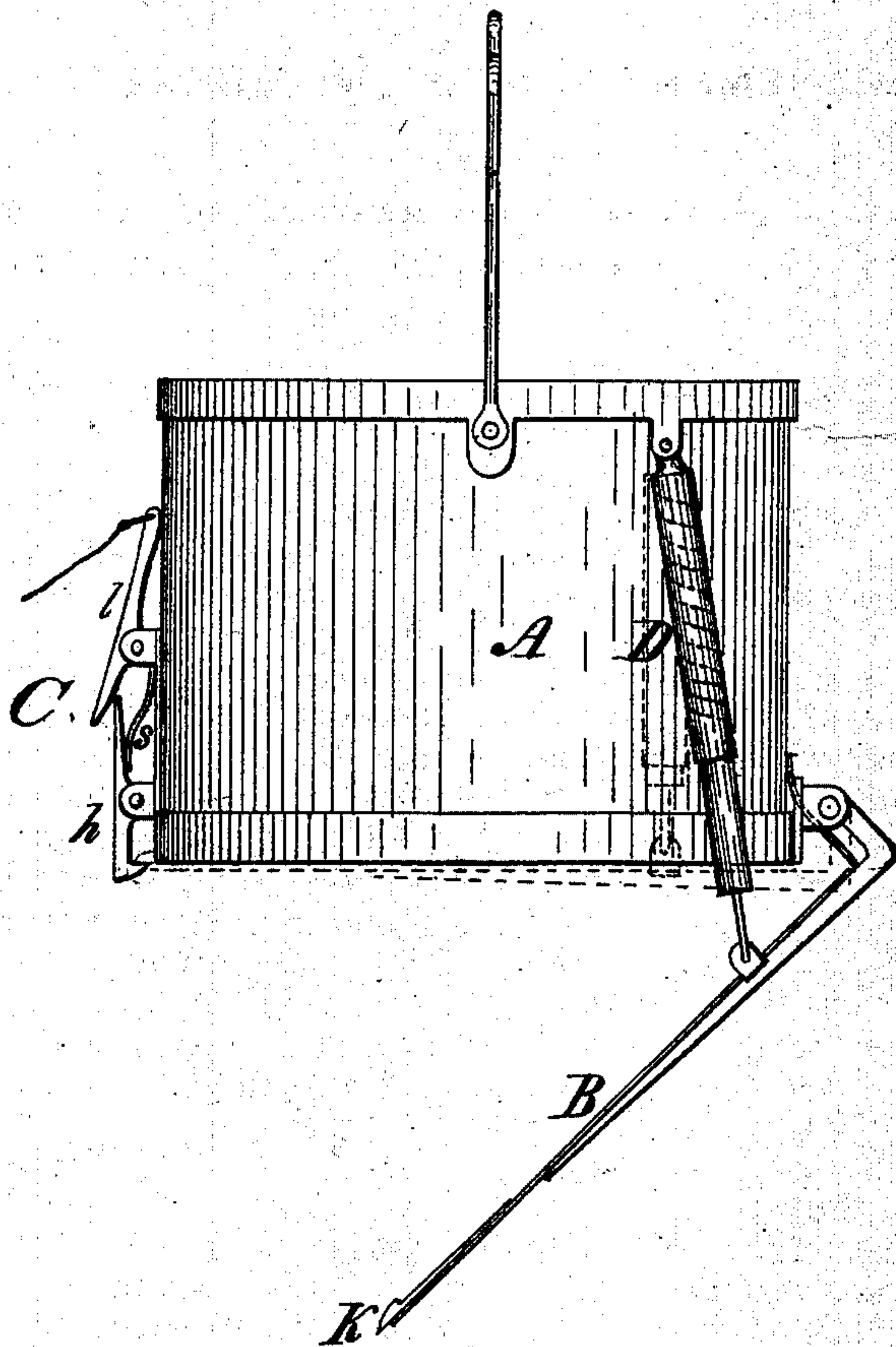


T. EATON.
Hoisting-Buckets.

No. 146,325.

Patented Jan. 13, 1874.



Witnesses

C. M. Smith

H. L. Kline

Inventor

Thomas Eaton
his mark

UNITED STATES PATENT OFFICE.

THOMAS EATON, OF SYRACUSE, NEW YORK, ASSIGNOR OF ONE-HALF HIS
RIGHT TO PATRICK HALLORAN, OF SAME PLACE.

IMPROVEMENT IN HOISTING-BUCKETS.

Specification forming part of Letters Patent No. **146,325**, dated January 13, 1874; application filed
December 18, 1873.

To all whom it may concern:

Be it known that I, THOMAS EATON, of the city of Syracuse, in the county of Onondaga and State of New York, assignor to myself and PATRICK HALLORAN, of the same place, have invented a new and Improved Hoisting and Dumping Bucket; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawing, which shows the bucket with the bottom open.

A is the body of the bucket, of any convenient size, as may be desired. B is the bottom, properly hinged to the body of the bucket. C is a lever arrangement for tripping the bucket and letting the bottom B swing down upon its hinges. This lever arrangement consists of a catch, *k*, with beveled face, fastened to the bottom of the bucket; a pivoted lever and hook, *h*, which also has a beveled face, corresponding with that of the catch *k*, so that the hook will readily engage the catch when moved by the spring *s*; also, a pivoted lever, *l*, which operates upon the end of the lever *h*,

when moved in any ordinary manner. The result is, that when the bucket is loaded and carried to the place where the dumping is to be made, the pivoted lever *l* is moved, and the hook disengages itself from the catch, and the bottom swings down, letting the load fall out. To bring the bottom B back to its position, I use a pair of coiled metallic or rubber springs, D D, so located, and of sufficient power, to readily bring the bottom up in position, when it is again secured by the hook and catch, and is ready to be again loaded.

What I claim as my invention, and desire to secure by Letters Patent, is—

The combination of the body A, levers *l h*, and springs *s* with the hinged bottom B, having catch *k*, substantially as and for the purpose set forth.

THOMAS ^{his} × EATON.
mark.

Witnesses:

C. W. SMITH,
D. C. MARKHAM.