(No Model.)

R. FAGAN & L. S. ALLISON.

DEVICE FOR FILLING POWDER FROM KEGS, &c.

No. 268,473. Patented Dec. 5, 1882.

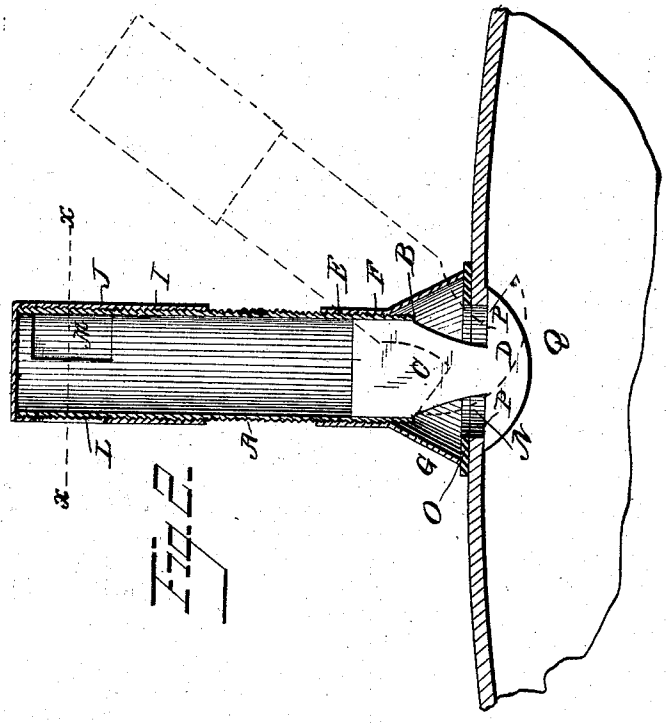


Fig. 2.

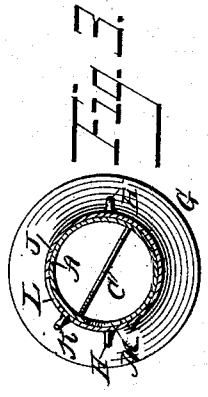


Fig. 3.

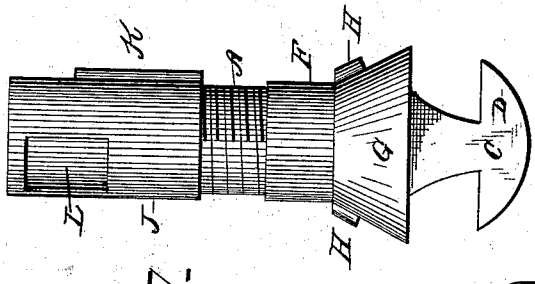


Fig. 1.

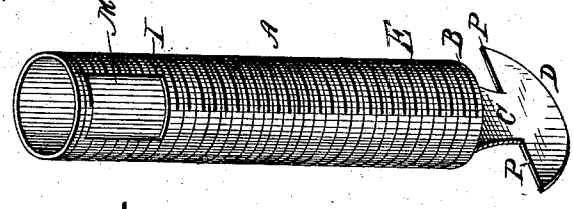


Fig. 4.

WITNESSES

F. L. Ourand.

J. R. Sitgell,

INVENTORS

Robt. Fagan,

L. S. Allison,

by C. A. Snow & Co. Attorneys

N. PETERS. Photo-Lithographer. Washington, D. C.

UNITED STATES PATENT OFFICE.

ROBERT FAGAN AND L. SANDIDGE ALLISON, OF HAZLETON, PENNSYLVANIA.

DEVICE FOR FILLING POWDER FROM KEGS, &c.

SPECIFICATION forming part of Letters Patent No. 268,473, dated December 5, 1882.

Application filed September 7, 1882. (No model.)

To all whom it may concern:

Be it know that we, ROBERT FAGAN and L. SANDIDGE ALLISON, both of Hazleton, in the county of Luzerne and State of Pennsylvania, have invented certain new and useful Improvements in Devices for Filling Powder from Kegs, &c.; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to devices for filling powder or other explosives from kegs or boxes to cartridges for blasting or other purposes, and has for its object to provide a simple, inexpensive, and efficient device that will thoroughly close and protect the opening in the keg or box when not in use, and obviate any danger of accidental explosion.

In the drawings, Figure 1 is a side view of our improved filler. Fig. 2 is a longitudinal sectional view of the same applied to a keg. Fig. 3 is a transverse sectional view on the line *x x*, Fig. 1. Fig. 4 is a perspective view of the main tube or cylinder.

Referring to the drawings, A designates a tube or cylinder having an open lower end, B, in which is secured a transverse stem or tang, C, having an arrow-shaped head, D, projecting out from the bottom of cylinder A, and having a greater diameter than said cylinder, as shown. Cylinder A is screw-threaded, as at E, on which threads works a correspondingly-screw-threaded collar, F, having a flaring or inverted-funnel-shaped bottom, G, which may be provided with lateral thumb-operating flanges H H. At its top cylinder A is also screw-threaded, I, to provide for a correspondingly screw-threaded cap-piece, J, provided with a lateral-operating flange, K, and with an opening, L, in its side. Opening L is adapted by turning cap J to register with a corresponding opening, M, in the side of cylinder A.

To attach our filler to the box or barrel the bung is removed from the opening N, in the latter, and the arrow-head of tube A inserted therein by being placed in the position shown in dotted lines, Fig. 2. Collar F is then screwed down till its lower edges bind an annular washer, O, of gum, rubber, leather, or other suitable material, placed around opening N. This causes the upper edges, P P, of head D to bind against the interior edges of the keg Q at said opening, and thus the latter is completely protected. By reason of the head being somewhat larger than the diameter of the cylinder A and flaring collar G, the cylinder can be adjusted in openings of varying sizes.

The operation and advantages of our invention will be readily understood.

After the device has been placed in position it is only necessary to turn cap J until its opening L registers with opening M, when the powder will run out into the cartridge or other receptacle. The arrow-head D serves to separate the grains of powder at the opening N, and prevent any clogging.

Our invention is very convenient and useful, and renders the operation of filling perfectly safe.

We claim as new—

1. The combination, with a tube or cylinder, A, having an open lower end in which is secured the tang of a projecting substantially-arrow-shaped head, D, of a movable collar, F, having a flaring bottom flange, G, as set forth.

2. The combination, with a tube, A, having an opening, M, and an open lower end, B, in which is secured the tang C, of a projecting arrow-shaped head, D, a movable lower collar, F, having a flaring bottom, G, and a cap-piece, J, having an opening, L, in its side, as set forth.

3. The combination of a tube, A, having screw-threads E I, and opening M in its side at the top, and a projecting substantially-arrow-shaped head D, having a tang, C, a screw-threaded collar, F, having a flaring bottom, G, and a cap, J, screw-threaded and provided with a corresponding opening, L, in its side, as set forth.

4. The combination, with a vessel, Q, having an opening, N, of a tube, A, having arrow-shaped head D, a collar, F, having a flaring bottom, G, and an annular washer, O, as set forth.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

ROBERT FAGAN.
L. SANDIDGE ALLISON.

Witnesses:
JOHN A. BARTON,
C. BACHMAN.