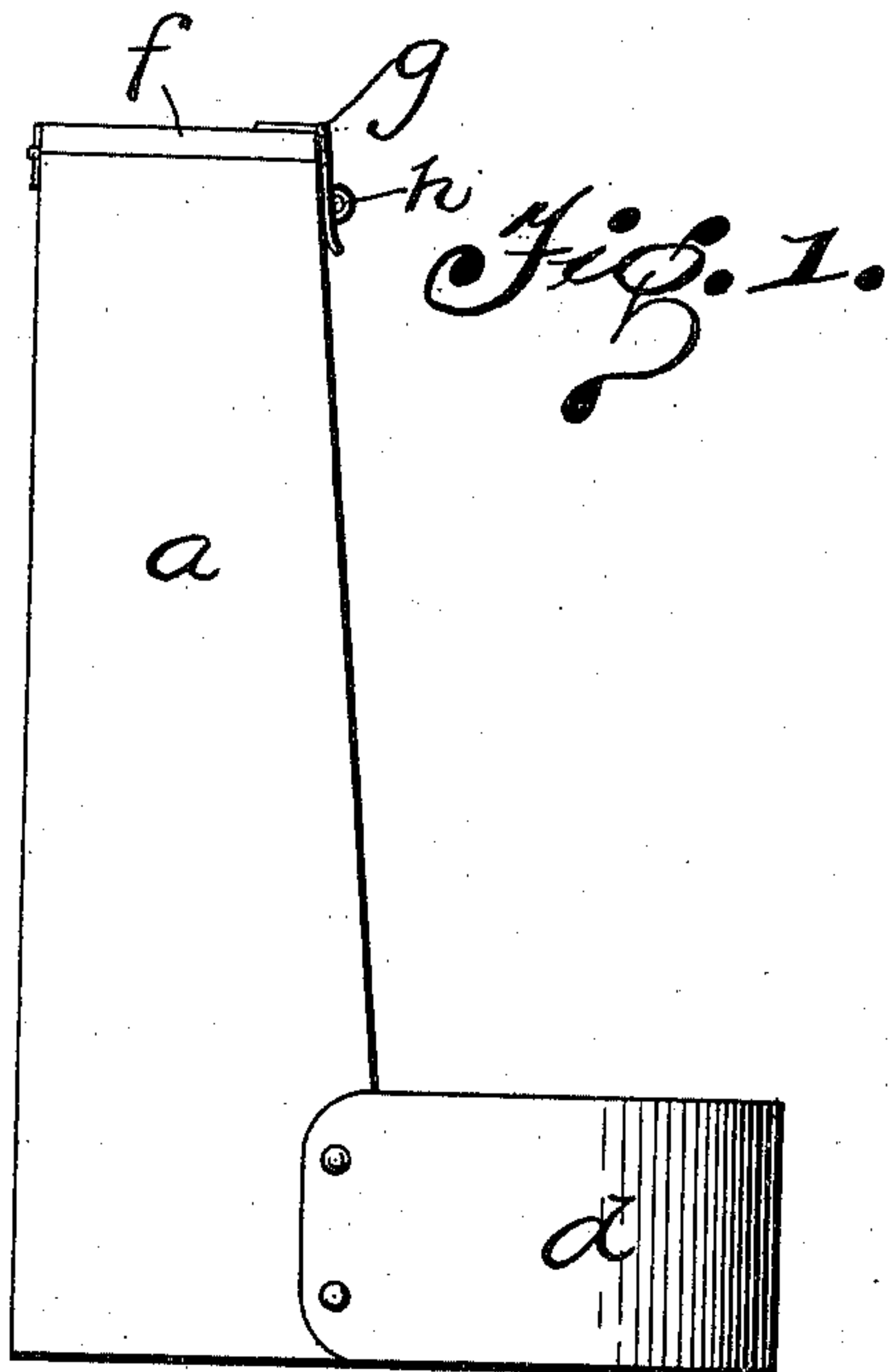


(No Model.)

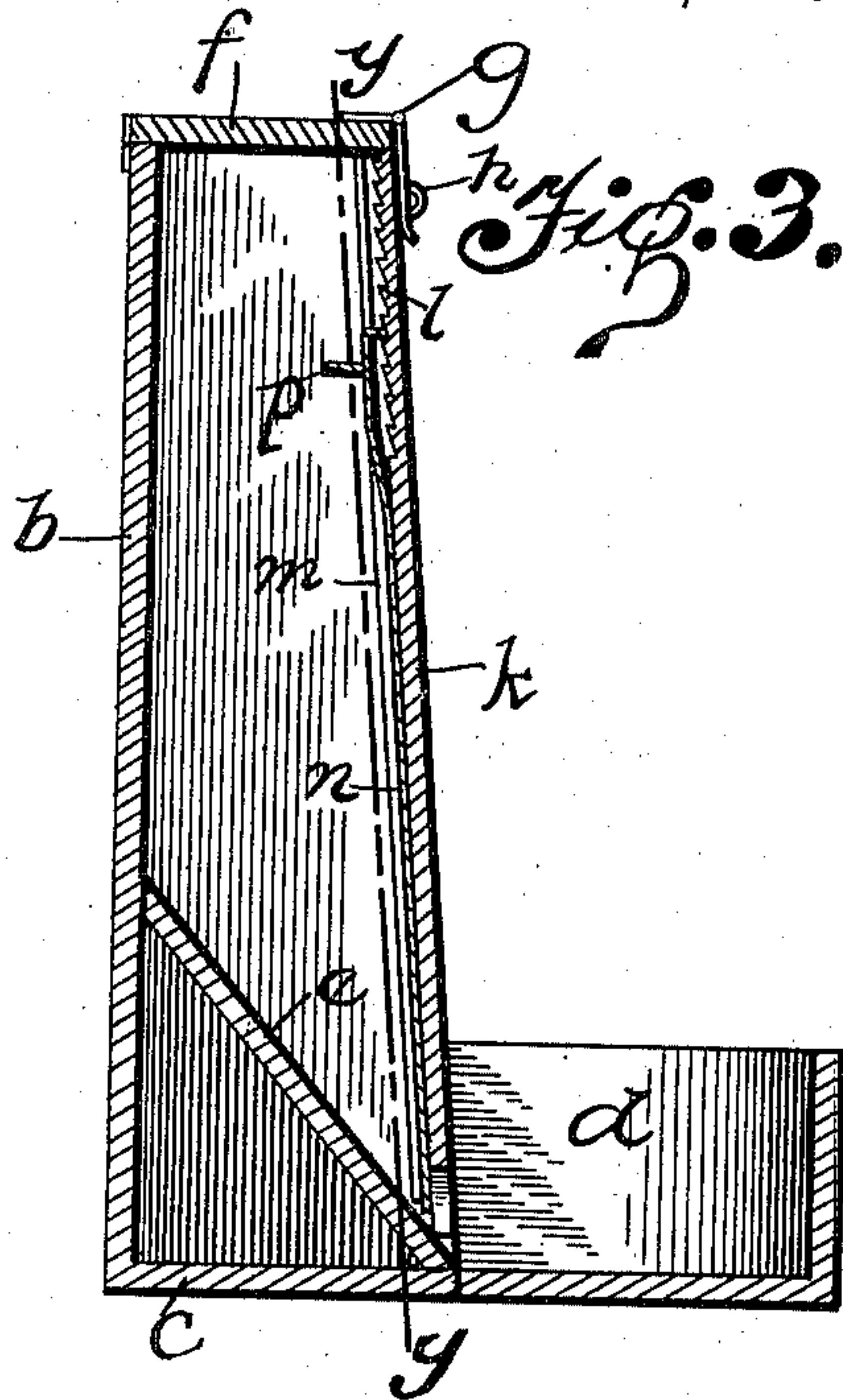
R. S. FRANZ.  
FEED BOX.

No. 584,762.

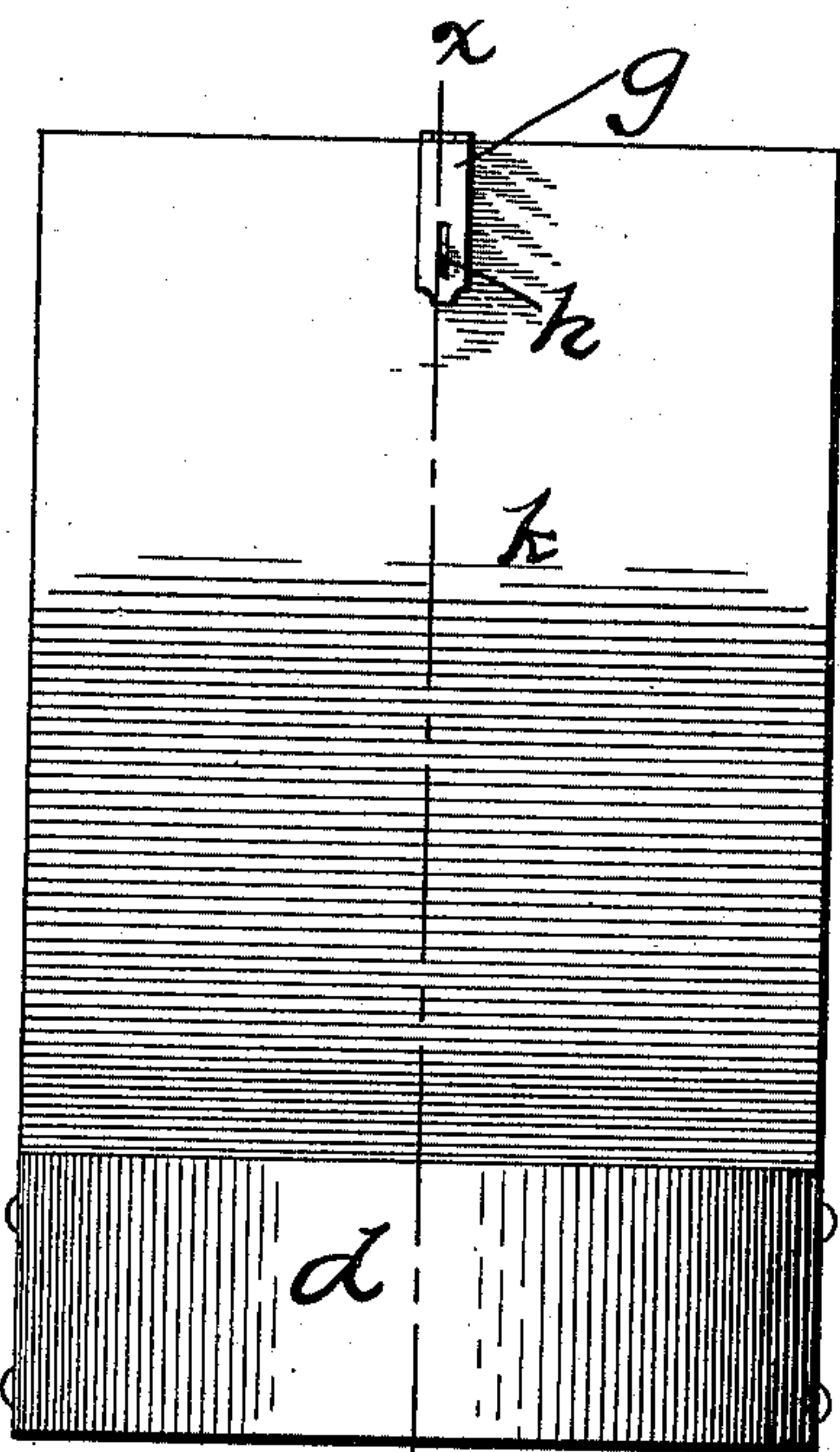
Patented June 15, 1897.



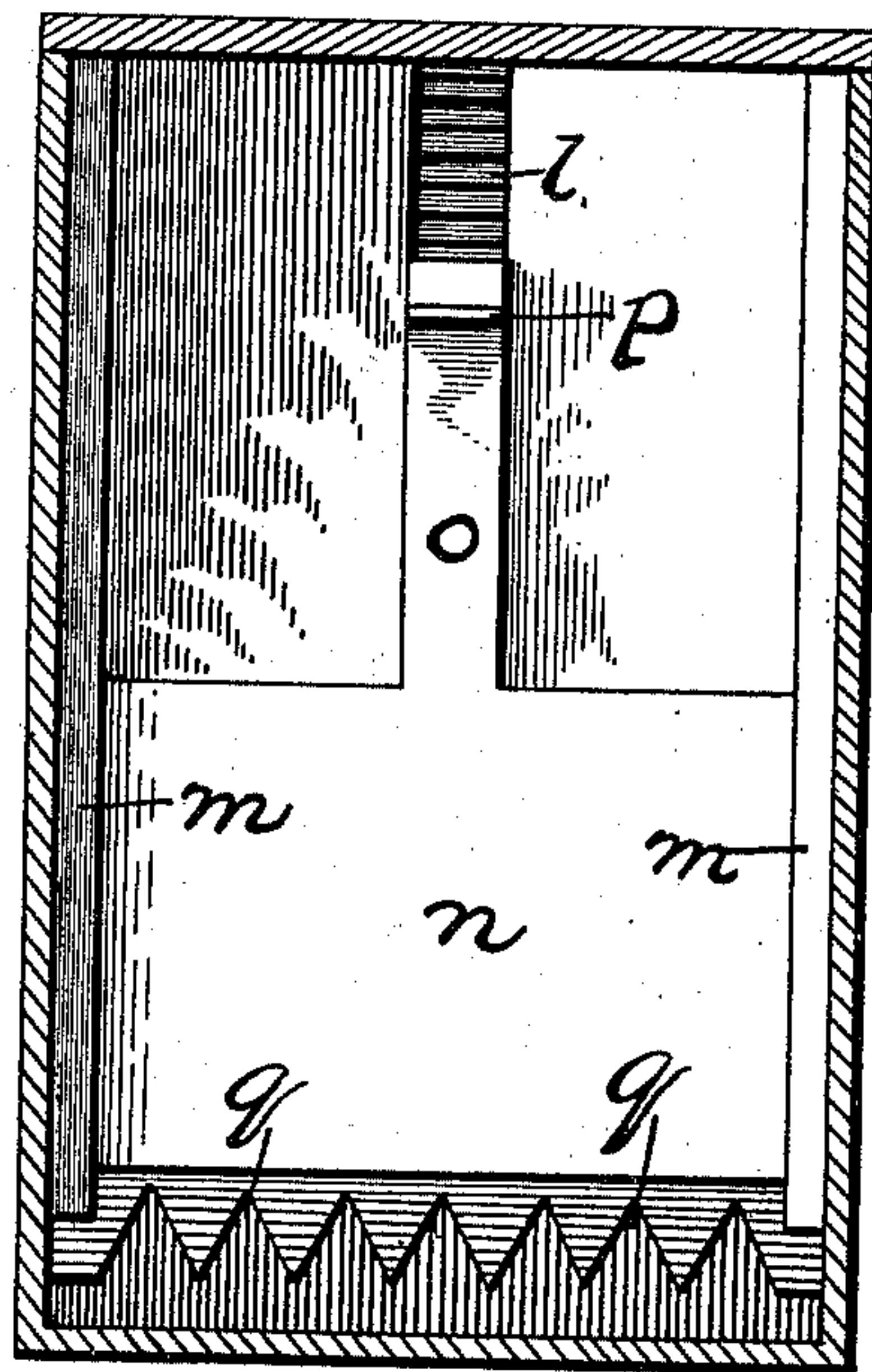
*Fig. 1.*



*Fig. 3.*



*Fig. 2.*



*Fig. 4.*

Witnesses: x  
A. R. Appleman Jr.  
A. M. Wilson.

Inventor:  
Robert S. Franz.  
By Henry C. Evert Atty



# UNITED STATES PATENT OFFICE.

ROBERT S. FRANZ, OF GLENSHAW, PENNSYLVANIA.

## FEED-BOX.

SPECIFICATION forming part of Letters Patent No. 584,762, dated June 15, 1897.

Application filed September 10, 1896. Serial No. 605,429. (No model.)

*To all whom it may concern:*

Be it known that I, ROBERT S. FRANZ, a citizen of the United States of America, residing at Glenshaw, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Feed-Boxes, of which the following is a specification, reference being had therein to the accompanying drawings.

10 This invention relates to certain new and useful improvements in feed-boxes, and relates more particularly to that class that may be regulated so as to pass the feed from the receptacle to the feed-box proper as desired.

15 The invention aims to construct a feed-box of the above-referred-to class that will be extremely simple in its construction, strong, durable, effectual in its operation, and comparatively inexpensive to manufacture; furthermore, a feed-box that may be used for carrying the feed without permitting the feed to pass to the box proper.

25 With the above and other objects in view the invention finally consists in the novel construction, combination, and arrangements of parts to be hereinafter more specifically described, and particularly pointed out in the claim.

30 In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification, and wherein like letters of reference indicate similar parts throughout the several views, in which—

35 Figure 1 is a side elevation of my improved feed-box. Fig. 2 is a front view of the same. Fig. 3 is a sectional view taken on the line X X of Fig. 2. Fig. 4 is a transverse vertical sectional view taken on the line Y Y of Fig. 3.

40 Referring to the drawings by reference-letters, *a* represents the sides of the feed-receptacle, *b* the back of same, and *c* the bottom. At the base of the sides is secured by suitable means the rounded feed-box *d*, and an inclined slide *e* rests against the back *b* and on the bottom at the intersection of the bottom *c* and bottom of the feed-box *d*. To the top of the back *b* is hinged a cover *f*, carrying a hasp *g*, engaging a staple *h* in the front wall *k* of the feed-receptacle. This front wall *k* is secured to the sides *a a* and is provided on its inner face with a rack *l* and guides *m*. These guides hold in position a slide or

gate *n*, having an upwardly-extending spring-arm *o*, formed with a flange to engage the rack *l*, and a handle *p* to adjust the slide. The lower edge of the front wall *k* is provided with V-shaped notches *q q* to permit the feed to pass from the receptacle to the box when the slide *n* is raised.

60 The operation of my improved feed-box will be readily apparent from the views of the same that I have shown in the drawings, as it will be observed that the feed is placed in the receptacle, and the inclined slide *e* will cause the same to lie against the front wall. When the slide *n* is in the extreme lower position, the feed will be prevented from pressing to the feed-box, and to pass same out this slide is raised and fastened on the rack *l*, permitting the feed to flow through the V-shaped notches in the front wall into the feed-box.

70 It will be observed that by this construction the slide can be adjusted so as to regulate the flow of feed from the receptacle to the box, as described, and that the receptacle can be employed for holding the feed until desired for use, when the slide may be raised so as to allow a desired quantity to flow into the feed-box and the slide again closed to retain the feed.

85 It will be noted that various changes may be made in the details of construction without departing from the general spirit of my invention.

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

90 In a feed-box, the combination of the feed-receptacle having a box secured thereto, a hinged cover for said receptacle, the front wall of said receptacle carrying a rack on its inner face and provided with a notched base, a gate secured by guides to the front wall, an arm secured to said gate to engage the rack, and a hasp on the cover to engage a staple in the front wall to lock the cover, all parts being arranged substantially as shown and described.

100 In testimony whereof I affix my signature in presence of two witnesses.

ROBERT S. FRANZ.

Witnesses:

A. R. APPLEMAN, Jr.,  
H. E. SEIBERT.