

R. D. RALSTON.

CORN CRIB.

APPLICATION FILED FEB. 10, 1910.

956,903.

Patented May 3, 1910.

Fig. 1.

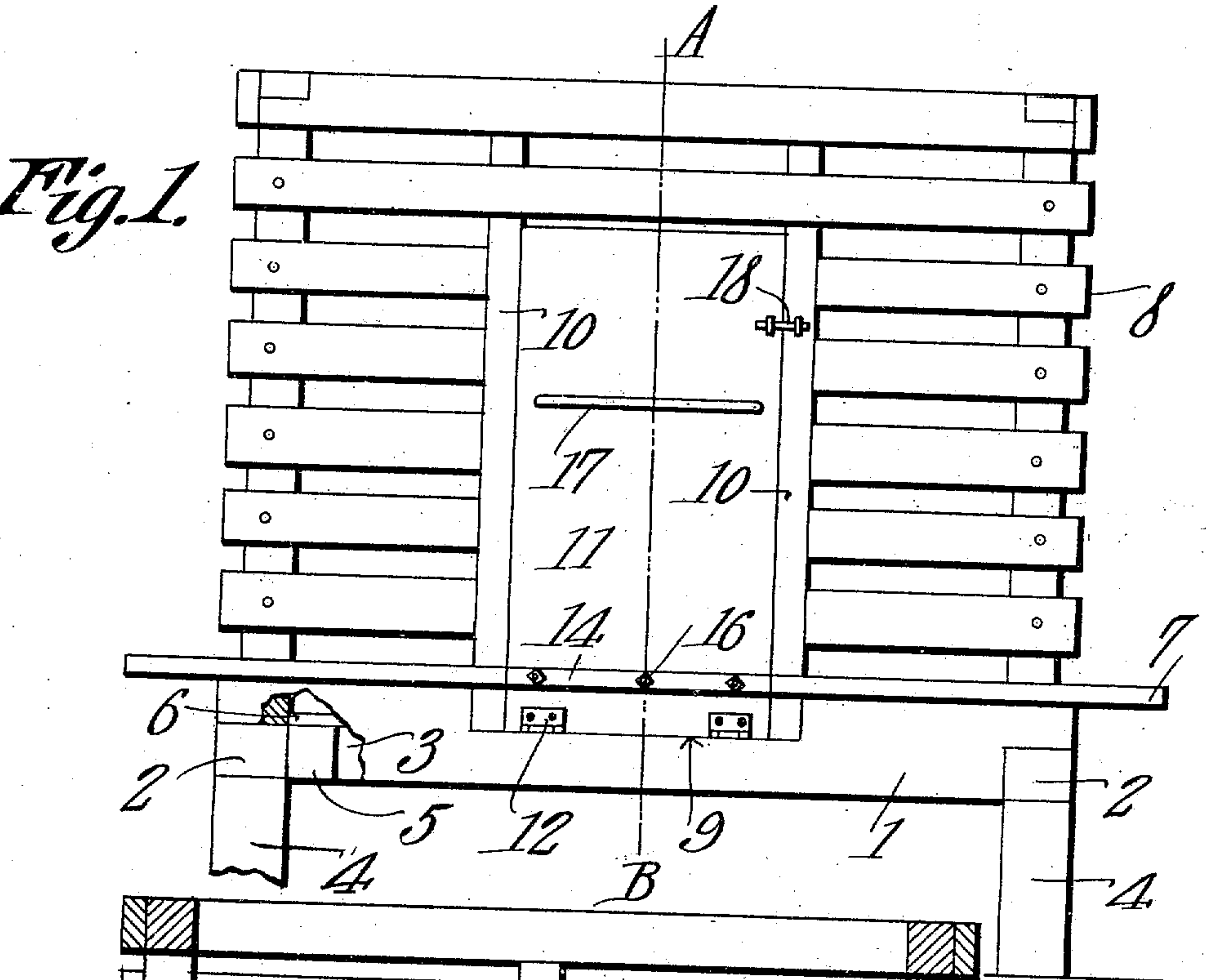
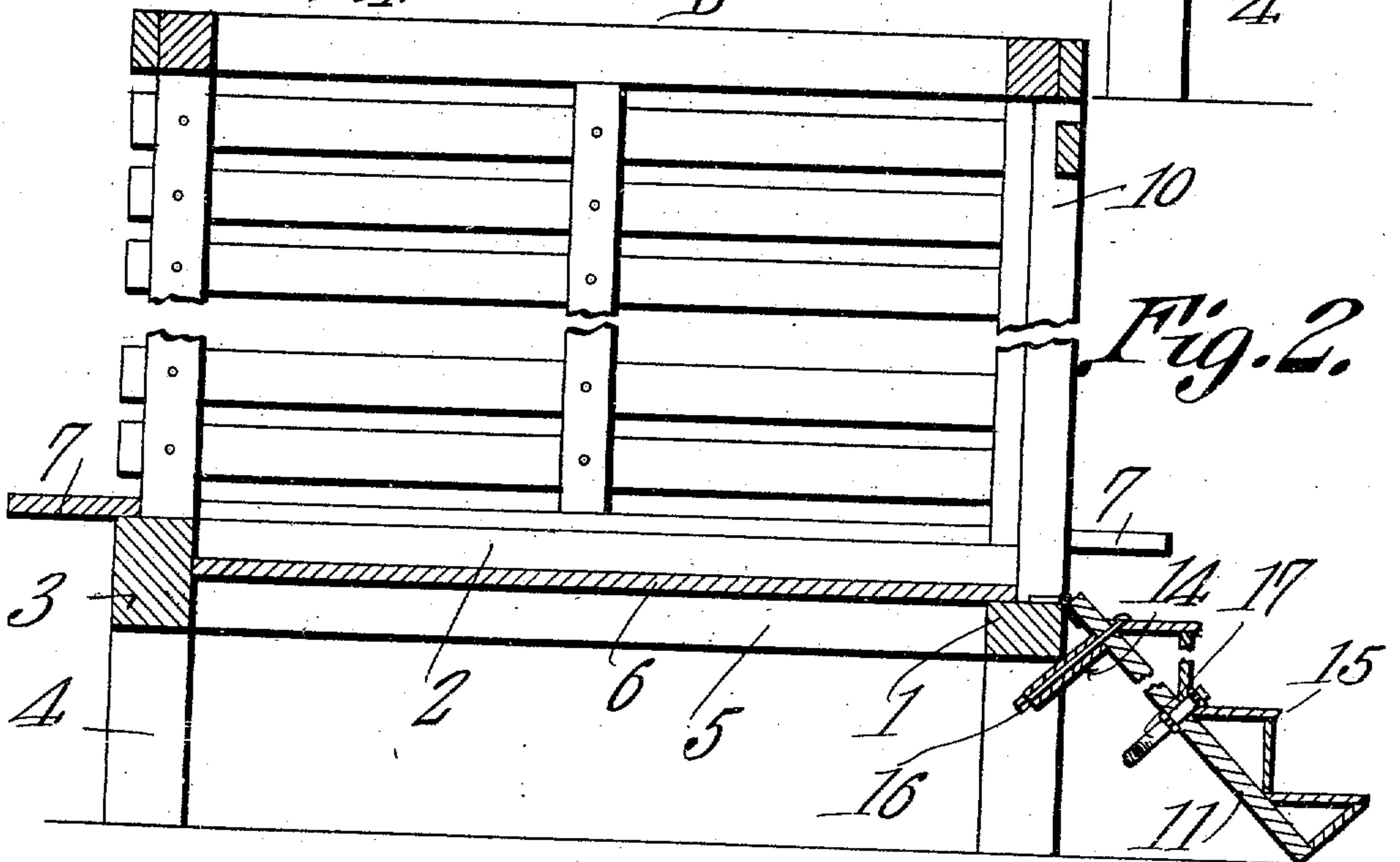


Fig. 2.



Witnesses

E. J. Hunt
Mason B. Lawton

Robert D. Ralston.

384 C. A. Snow & Co.
Attorneys

UNITED STATES PATENT OFFICE.

ROBERT D. RALSTON, OF WILSCOT, GEORGIA.

CORN-CRIB.

956,903.

Specification of Letters Patent.

Patented May 3, 1910.

Application filed February 10, 1910. Serial No. 543,034.

To all whom it may concern:

Be it known that I, ROBERT D. RALSTON, a citizen of the United States, residing at Wilscot, in the county of Fannin and State of Georgia, have invented a new and useful Corn-Crib, of which the following is a specification.

It is the object of this invention to provide a corn-crib which shall be proof against the inroads of rats and other rodents which commonly invest such structures.

Another object of the invention is to provide a corn crib having an outstanding platform about its periphery, the platform being so constructed that rodents cannot find their way over the platform into the structure.

Another object of the invention is to provide a closure of novel and improved form, the closure constituting a means for supporting the steps whereby ascent to the structure is had.

Another object of the invention is to provide a novel means for limiting the pivotal movement of the closure.

Another object of the invention is to unite the steps with the closure for the door-way, in a novel and improved manner.

With the above and other objects in view, the invention consists in the novel construction and arrangement of parts hereinafter described, delineated in the drawings and specifically claimed, it being understood that changes, properly falling within the scope of what is claimed, may be made without departing from the spirit or sacrificing any of the advantages of the invention.

Similar numerals of reference are employed to denote corresponding parts throughout the several figures of the drawings.

In the accompanying drawings,—Figure 1 shows the invention in front elevation, the closure being in place, and parts of the structure being broken away; and Fig. 2 is a vertical transverse section upon the line A—B of Fig. 1, the closure, however, being tilted out of the structure, to serve as an approach to the door-way.

The corn crib may be fashioned in any desired manner. In the present instance, a frame is constructed, the same consisting of a front sill 1, side sills 2, and a rear sill 3. The frame is supported upon posts 4, and auxiliary sills 5 are secured to the adjacent faces of the side sills 2. These auxiliary sills 5 serve to support the floor 6. The floor 6

may be fashioned in any desired manner, provided that it is so constructed that it is absolutely tight, and proof against the inroads of rodents.

Resting upon the sills 1, 2 and 3, and outstanding a considerable distance beyond them, is a platform 7. This platform may be constructed in a variety of ways. If desired, it may be constructed from hard wood, smooth and polished, to present an anti-friction surface upon which the rodents can acquire no foot-hold. Likewise, if desired, the platform 7 may be fashioned from any available material and covered with tin, or other sheet metal to present, as before, a smooth surface. It will be seen that this outstanding platform 7 will adequately prevent rodents from creeping up the outside of the structure to find their way therein.

The superstructure 8 of the corn crib may be built according to the exigencies of the particular case, and to suit the taste of the builder. In the present instance it is of the ordinary slatted construction. The front sill 1 is cut away as denoted by the numeral 9 upon its upper face, to receive the door-jambs 10, which are built into the superstructure 8. The door-way is adapted to be closed by a plate 11 which, at its lower end, is connected by hinges 12 to the cut away portion 9 of the front sill 1.

Referring to Fig. 1, it will be seen that the platform 7 is broken in front of the door-way to the crib, there being a shoulder upon the plate 11, constituting a part of the platform 7 when the plate 11 is positioned as a closure. Upon the inner face of the plate 11 are mounted steps 15, of any desired construction. Bolts 16 or other retaining elements, are extended through the shoulder 14, and through the plate 11, to engage the steps 15, thus serving as a means for holding both the shoulder 14 and the steps 15 upon the plate. Disposed transversely of the plate 11 upon its outer face, is a U shaped handle 17, adapted for the manipulation of the plate 11 and having its extremities extended through the plate and into the steps 15, the handle thus serving to hold the steps in place upon the plate. Any simple locking device 18 may be employed to hold the plate 11 in position to serve as a closure for the door-way.

As seen most clearly in Fig. 2, the plate may be tilted into inclined position in front of the crib, to rest at its free end, upon the ground. When the plate is thus tilted, the

shoulder 14 will engage the front sill 1, thus serving to steady the steps in position.

From the foregoing it will be seen that I have provided a corn crib which will adequately protect its contents, and, at the same time, equipped the same with a closure, adapted to serve, at the will of the operator, as an approach to the structure.

For the sake of illustration, I have applied my invention specifically to a corn crib, but it is to be understood that the structure of the class described may include buildings of any sort which it is desired to protect against rodents.

In the foregoing description, and in the claims, the element 11 is described as a plate; but this is not to be construed as meaning that the member 11 must of necessity be an imperforate structure. The member 11 may be of any form adapted to exercise its function, to wit, to serve as a closure of such a character as shall be commensurate with the purposes for which the building is intended.

Having thus described the invention, what is claimed is:—

1. A building provided adjacent its bottom with an outstanding platform extended entirely around the building and having anti-friction surfaces.

2. A structure of the class described provided adjacent its bottom with an outstanding platform, and having a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and to serve as an inclined approach to the doorway; there being a shoulder upon the plate constituting a part of the platform when the plate is positioned as a closure.

3. A structure of the class described provided adjacent its bottom with an outstanding platform, and having a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and to serve as an inclined approach to the doorway; there being a shoulder upon the plate constituting a part of the platform when the plate is positioned as a closure; stairs carried by the plate; and retaining elements uniting both the shoulder and the stairs with the plate.

4. A structure of the class described provided adjacent its bottom with an outstanding platform, and having a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and to serve as an inclined approach to the doorway; there being a shoulder upon the plate constituting a part of the platform when the plate is positioned as a closure, and serving as a stop to engage the structure when the plate is positioned as an inclined approach.

5. A structure of the class described provided adjacent its bottom with an outstanding platform, and having a doorway; a plate

hinged at its lower end to the structure to serve as a closure for the doorway and adapted to be disposed in inclined position in front of the structure; there being a shoulder upon the platform constituting a part of the platform when the plate is positioned as a closure, and serving as a stop to engage the structure when the plate is inclined; and steps mounted upon the plate to be housed within the structure when the plate is positioned as a closure.

6. A structure of the class described provided adjacent its bottom with an outstanding platform, and a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and adapted to be disposed in inclined position in front of the structure; there being a shoulder upon the plate constituting a part of the platform when the plate is positioned as a closure, and serving as a stop to engage the structure when the plate is inclined; steps mounted upon the plate to be housed within the structure when the plate is positioned as a closure; and retaining elements engaging the shoulder, the plate and the steps.

7. A structure of the class described provided adjacent its bottom with an outstanding platform, and having a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and adapted to be disposed in inclined position in front of the structure; there being a shoulder upon the platform constituting a part of the platform when the plate is positioned as a closure, and serving as a stop to engage the structure when the plate is inclined; steps mounted upon the plate to be housed within the structure when the plate is positioned as a closure; and a handle for the manipulation of the plate, engaging the plate and the steps.

8. A structure of the class described provided adjacent its bottom with an outstanding platform and having a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and adapted to be disposed in inclined position in front of the structure; there being a shoulder upon the platform constituting a part of the platform when the plate is positioned as a closure, and serving as a stop to engage the structure when the plate is inclined; steps mounted upon the plate to be housed within the structure when the plate is positioned as a closure; retaining elements engaging the shoulder, the plate and the steps; and a handle for the manipulation of the plate, engaging the plate and the steps.

9. A structure of the class described provided with a doorway; a plate hinged at its lower end to the structure to serve as a closure for the doorway and to serve as an

inclined approach to the door-way; steps
mounted upon the plate to be housed within
the structure when the plate is positioned
as a closure; a shoulder mounted upon the
5 plate, and serving as a stop to engage the
structure when the plate is positioned as
an inclined approach; and retaining ele-
ments engaging the shoulder, the plate and
the steps.

10 10. A structure of the class described pro-
vided with a door-way; a plate hinged at its
lower end to the structure to serve as a clo-
sure for the door-way and to serve as an in-
clined approach to the door-way; steps
15 mounted upon the plate to be housed within
the structure when the plate is positioned as
a closure; a shoulder mounted upon the
plate, and serving as a stop to engage the
structure when the plate is positioned as an
20 inclined approach; and a handle for the
manipulation of the plate, engaging the
plate and the steps.

11. A structure of the class described pro-
vided with a door-way; a plate hinged at its
lower end to the structure to serve as a clo- 25
sure for the door-way and to serve as an
inclined approach to the door-way; steps
mounted upon the plate to be housed within
the structure when the plate is positioned
as a closure; a shoulder mounted upon the 30
plate, and serving as a stop to engage the
structure when the plate is positioned as an
inclined approach; retaining elements en-
gaging the shoulder, the plate and the steps;
and a handle for the manipulation of the 35
plate, engaging the plate and the steps.

In testimony that I claim the foregoing as
my own, I have hereto affixed my signature
in the presence of two witnesses.

ROBERT D. RALSTON.

Witnesses:

W. W. WOODY,

W. E. SWEARINGEN.