

No. 684,780.

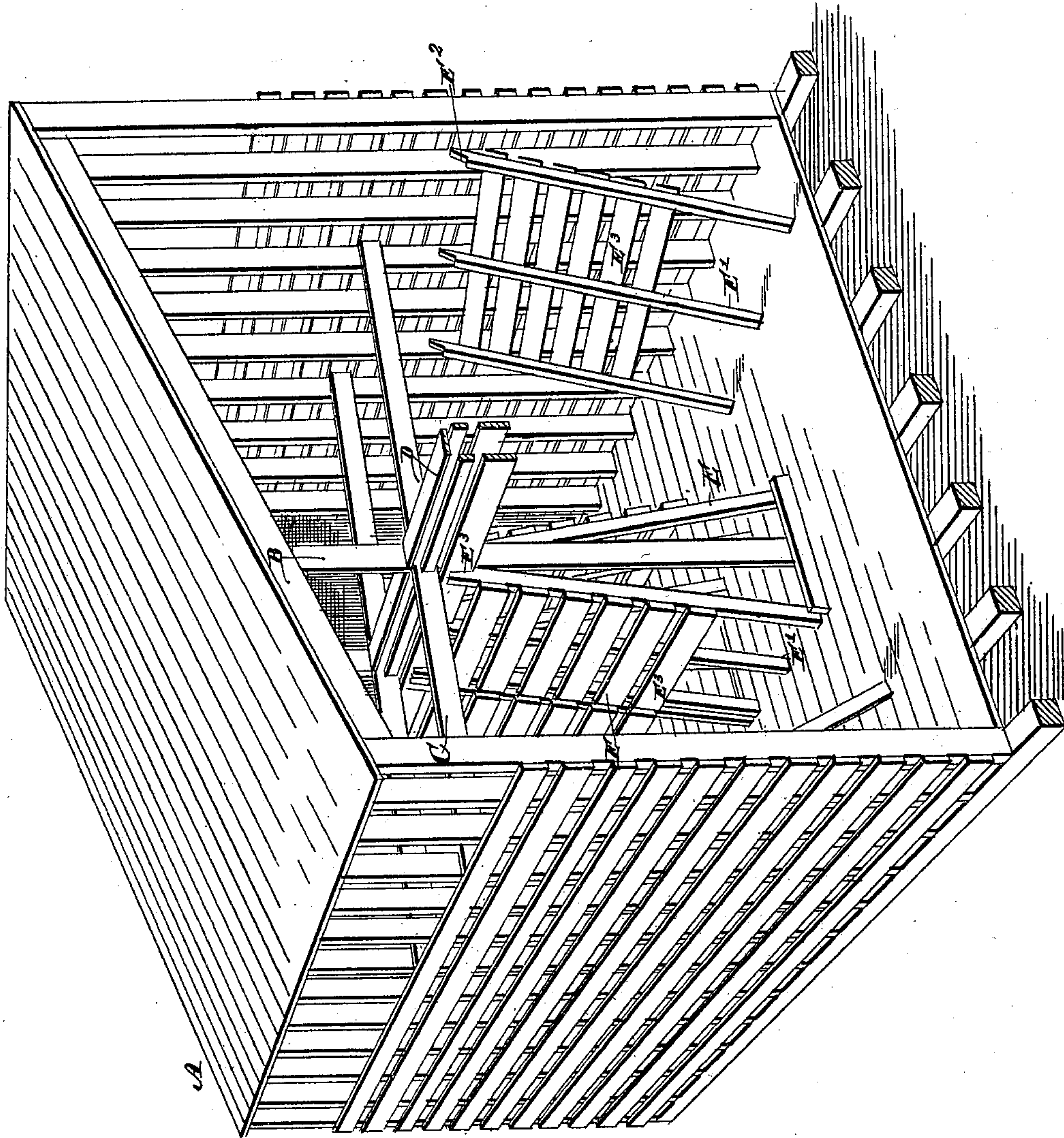
Patented Oct. 22, 1901.

N. S. BEALE.

CORN CRIB.

(Application filed Feb. 28, 1901.)

(No Model.)



Witnesses.

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UNITED STATES PATENT OFFICE.

NEWTON S. BEALE, OF TAMA, IOWA.

CORN-CRIB.

SPECIFICATION forming part of Letters Patent No. 684,780, dated October 22, 1901.

Application filed February 28, 1901. Serial No. 49,182. (No model.)

To all whom it may concern:

Be it known that I, NEWTON S. BEALE, a citizen of the United States, residing at Tama, in the county of Tama and State of Iowa, have
5 invented certain new and useful Improvements in Corn-Cribs; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains
10 to make and use the same.

The object of this invention is to improve the construction of corn-cribs, so as to give proper ventilation to the corn whatever may be the general shape or superficial area of the
15 crib.

The nature of the invention will fully appear from the description and claims following, reference being had to the accompanying drawing, which shows a section in perspective
20 of a corn-crib embodying my improvements.

The main structure A may be of the usual type, as shown, or of any other convenient form. In the drawing a single row of ventilators is shown; but the number of these may
25 be increased indefinitely. The ventilating apparatus is described as follows: At suitable intervals are set posts B, stayed laterally by ties C, secured to the sides of the crib. Transverse to these ties is a hollow header D, composed of a series of boards or slats, as shown.
30 These should extend from end to end of the crib and form an air-duct through which the outer air may circulate freely. The bottom of this duct is open, as shown, and communicates with an extension of the duct formed by a series of removable sections E. These sections are composed of uprights E', the upper ends of which are notched at E² to fit under the lower slats of the permanent duct or
35 header D, while their feet rest on the floor of the crib, and a series of cross-slats E³, secured to the upper portions of the uprights. When in position, the sections stand at divergent angles, as shown. In filling the crib the corn
40 of course covers the entire floor until it reaches the lower slats of the sections, when

it piles up outside them, leaving a considerable air-space between them and in communication with the air-duct, whereby ample ventilation is afforded to the contents of the
50 crib. In emptying the crib the corn is removed first from one end until the floor is reached, when it may be shoveled up from the floor. As the work proceeds, the sections may be removed or not, as may be most convenient, the open part of each section below
55 the bottom slat allowing the operator to shovel under and between them. A special advantage arising from the use of this simple device is that it admits of corn-cribs being built
60 as wide as may be desired, thus securing economy in construction and greater stability against wind-storms.

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

1. In a corn-crib, the combination with a header or duct extending across the crib, of a series of removable sections formed of uprights and cross-slats, adapted to be set diagonally under said header and rest on the
70 floor, substantially as described.

2. In a corn-crib, the combination with a header extending across the crib, of a series of removable sections composed of uprights
75 notched at the upper end to engage the bottom of said header, and cross-slats extending part way down to the feet of said sections, substantially as described.

3. In a corn-crib, the combination with a
80 series of slatted, removable sections, of a slatted air-duct forming a header for said sections, and a series of posts and transverse ties connecting with said header, substantially as described.
85

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

NEWTON S. BEALE.

Witnesses:

JOHN C. HEALD,
J. M. ST. JOHN.