

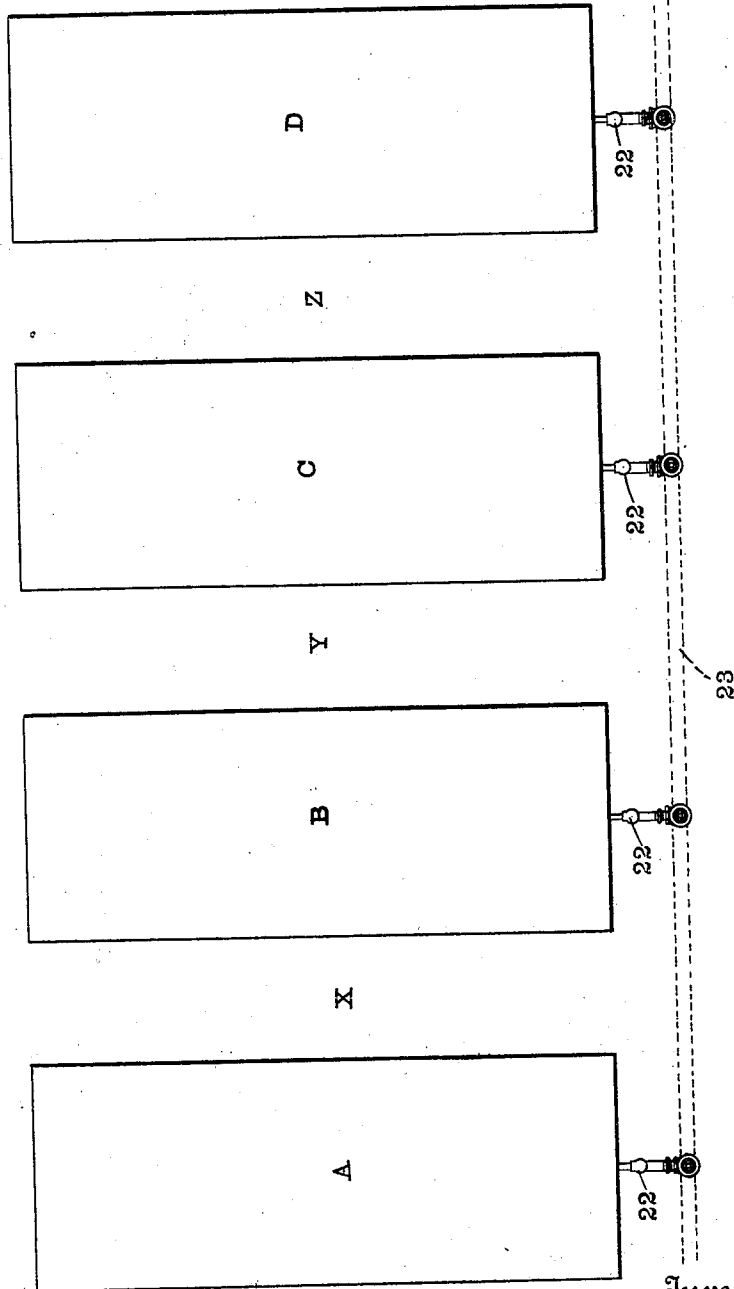
A. N. HADLEY.
WAREHOUSE.
APPLICATION FILED SEPT. 7, 1906.

898,465.

Patented Sept. 15, 1908.

2 SHEETS—SHEET 1.

Fig. 1.



Witnesses
Frank A. Lohle
J. A. Walsh

Inventor
Artemus N. Hadley
By *Bradford V. Hood,*
Attorneys

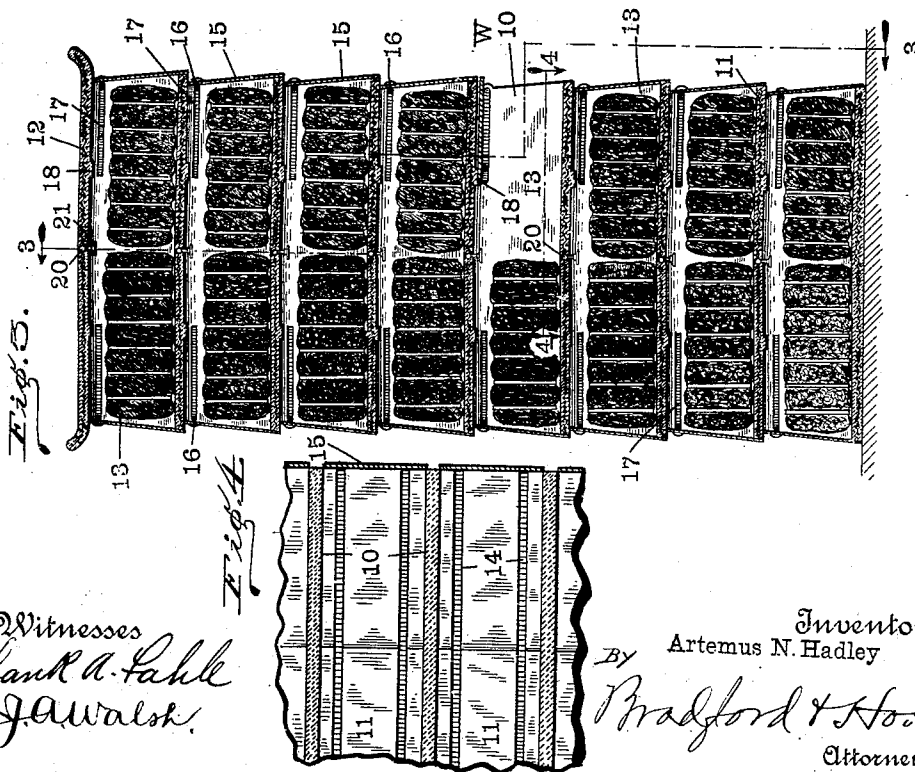
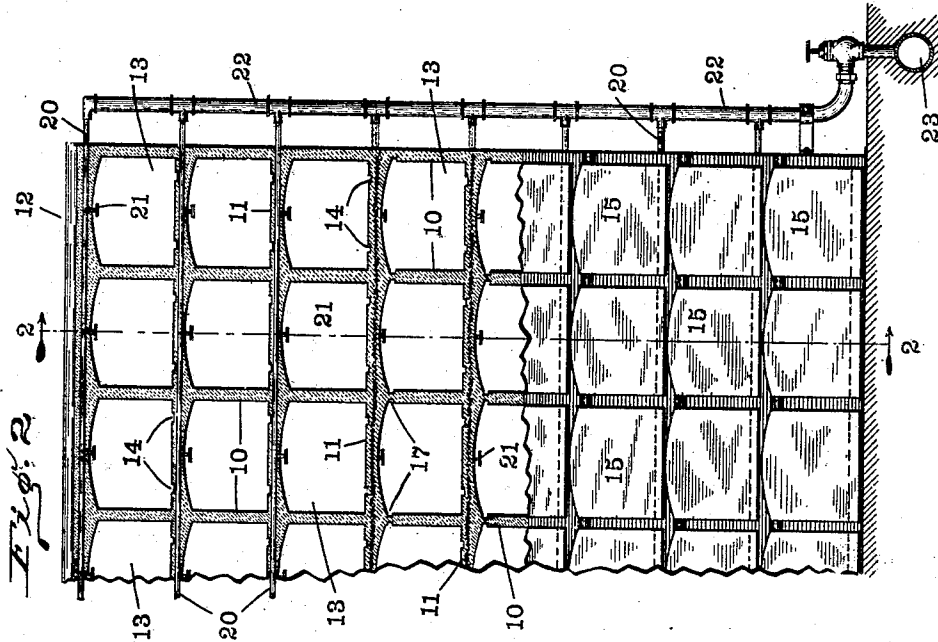
A. N. HADLEY.
WAREHOUSE.

APPLICATION FILED SEPT. 7, 1905.

898,465.

Patented Sept. 15, 1908.

2 SHEETS—SHEET 2.



Witnesses
Frank A. Fahl
J. A. Walsh.

Inventor
Artemus N. Hadley
By
Bradford & Hood,
Attorneys

UNITED STATES PATENT OFFICE.

ARTEMUS N. HADLEY, OF INDIANAPOLIS, INDIANA.

WAREHOUSE.

No. 898,465.

Specification of Letters Patent.

Patented Sept. 15, 1908.

Application filed September 7, 1905. Serial No. 277,296.

To all whom it may concern:

Be it known that I, ARTEMUS N. HADLEY, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Warehouses, of which the following is a specification.

The present method of storing baled cotton is to pile the bales one upon another either in the open, or under sheds. It is not uncommon for fire to be started among the bales, owing to the carelessness of unskilled labor used for this purpose, or because of spontaneous combustion, and when bales have been piled in the usual manner it is a very difficult problem to extinguish fire.

The object of my present invention is to produce a warehouse structure capable of receiving bales or packages of inflammable material, such as cotton, the arrangement being such that the material is stored in a plurality of entirely separate fire proof compartments any one of which may be automatically flooded with water without possibility of damage to the goods in any other compartment.

A further object of my invention is to so arrange a series of these storage houses that the material to be stored may be readily handled.

The accompanying drawings illustrate my invention:

Figure 1 is a plan showing a desired arrangement of a plurality of warehouses constructed in accordance with my invention; Fig. 2 a longitudinal vertical section on line 2 2 of Fig. 3; Fig. 3 a transverse vertical section on line 3 3 of Fig. 2; and Fig. 4 a detail horizontal section on line 4 4 of Fig. 3.

The storage house is formed preferably of fire-proof concrete or other plastic, but may be formed of any desirable fire-proof or slow-burning construction, the structure consisting of a plurality of spaced vertical partitions 10, horizontal floor members 11, and a suitable roof 12. The structure thus formed results in a plurality of transverse compartments or cells open from end to end. The floor 11 of the cell is preferably slightly inclined in opposite directions from the middle in order that the bails may be readily inserted and withdrawn, and also in order that there may be adequate drainage. In order

to further facilitate drainage I deem it advisable to form grooves 14 in the floor. Each end of each cell is closed by a suitable door 15 which, in the drawings, is shown as formed of a sheet of metal provided near its upper end with trunnions 16 which project slightly from opposite edges of the door and take into runways 17 formed in the partitions 10, the arrangement being such that the lower end of the door may be swung upward and the entire door pushed toward the middle of its compartment to the position shown at the point W in Fig. 3, the upper or inner end of the door, when in this position, taking under a lug or downward projection 18 carried by the roof of the cell. The runway 17 is extended outward to such point that, when the door is closed, its upper end will be inclined inward so that the drip from any door cannot get in behind the upper end of the next lower door.

Running lengthwise of the structure in each floor above the first and in the roof, is a water pipe 20 provided with a plurality of automatic sprinkler heads 21, one of which is located at about the middle of the roof of each cell 13. The pipes 20 of each warehouse are connected to a suitable stand pipe 22, and the several standing pipes are connected to a suitable supply main 23.

I deem it advisable to arrange any warehouse A, B, C, D, etc., constructed in the manner described, side by side so as to form aisles X, Y, Z, etc. between them. A suitable bale handling mechanism such, for instance, as the portable derrick may then be used for introducing the bales into the cells of the adjacent faces of the two adjacent warehouses, or for withdrawing such bales.

I claim as my invention:

1. A storage warehouse comprising a plurality of spaced vertical partitions and horizontal floor members forming a plurality of transverse cells, and a closure for the end of each cell, each of said closures inclined with its upper edge nearer the interior of the cell than the lower edge, and means for introducing water into each of the cells, whereby water from the upper cell may not enter the lower cells.

2. A storage warehouse composed of reinforced concrete arranged in a plurality of spaced vertical partitions and horizontal

floor members forming a series of non-com-
municating open-ended cells, a water supply
pipe leading into each of said cells, and a ver-
tically inclined independent door for the open
5 end of each of said cells.

In witness whereof, I, have hereunto set my
hand and seal at Indianapolis, Indiana, this

30th day of August, A. D. one thousand nine
hundred and five.

ARTEMUS N. HADLEY. [L. s.]

Witnesses:

SAMUEL LEE HADLEY,
JAMES A. WALSH.