

T. H. GREEN.
Grain Distributor.

No. 29,881.

Patented Sept. 4, 1860.

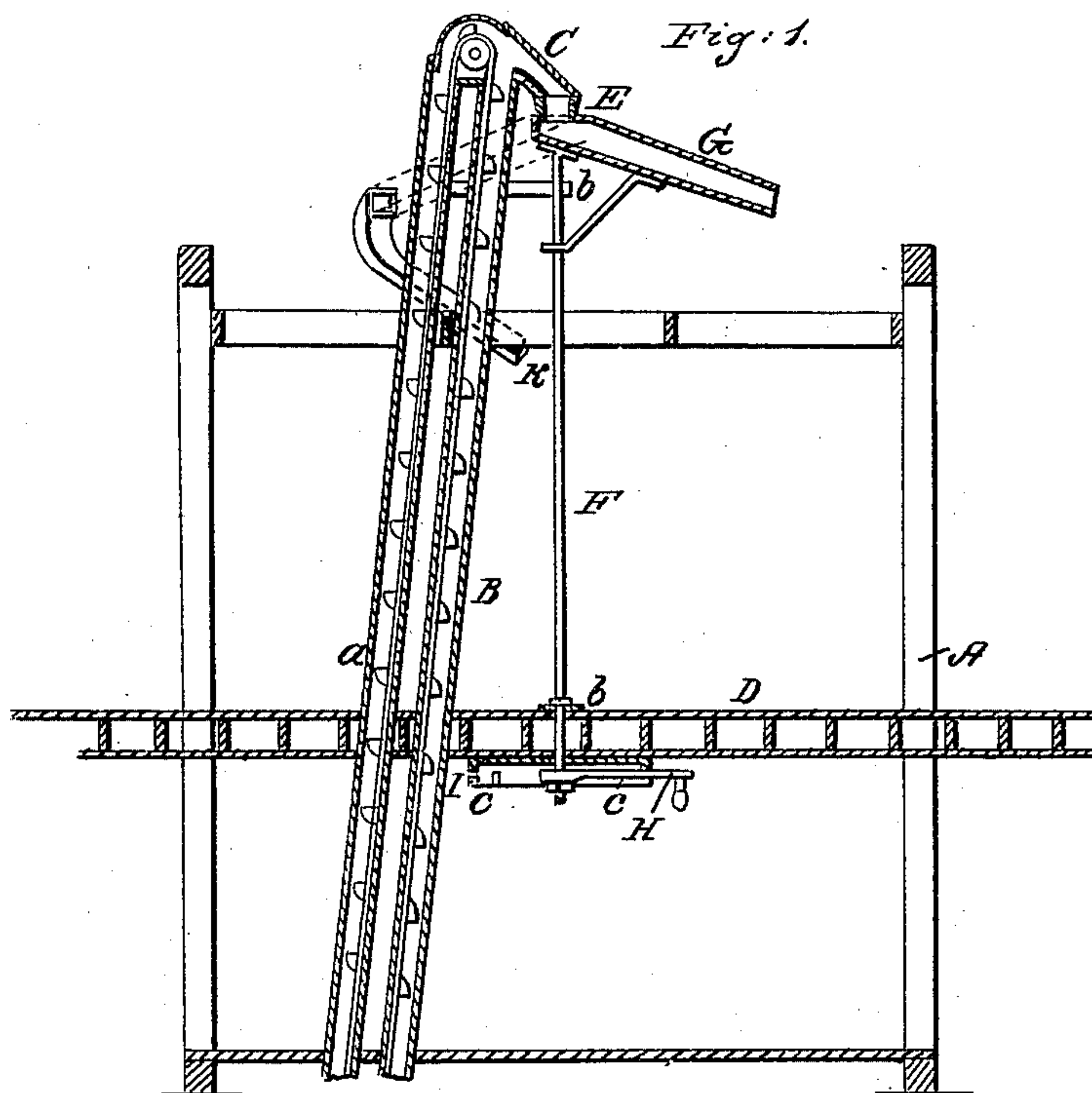


Fig: 2.

Fig: 3.

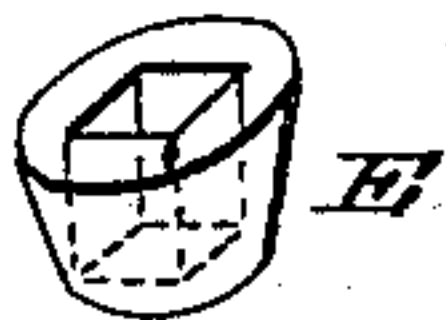
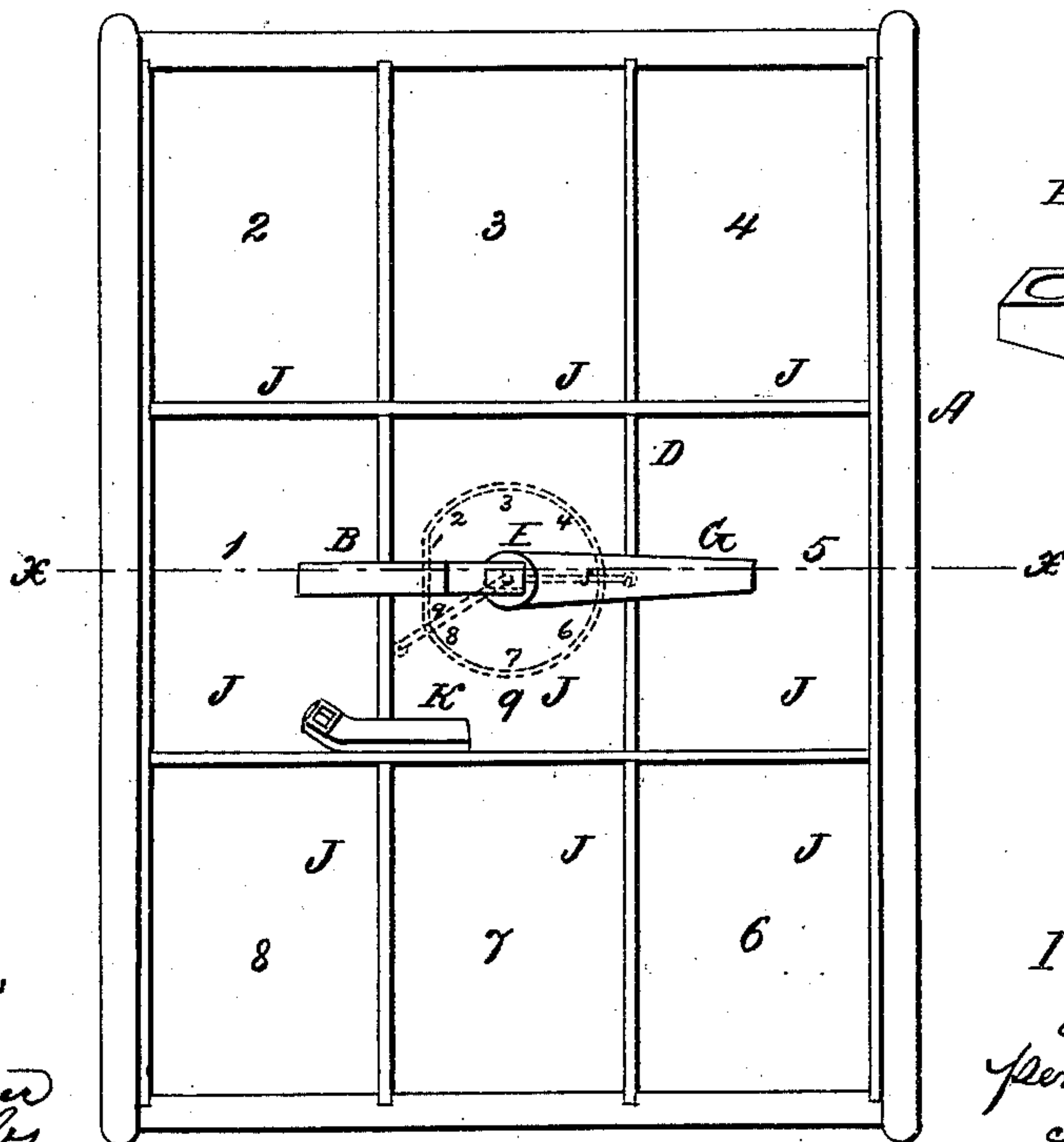
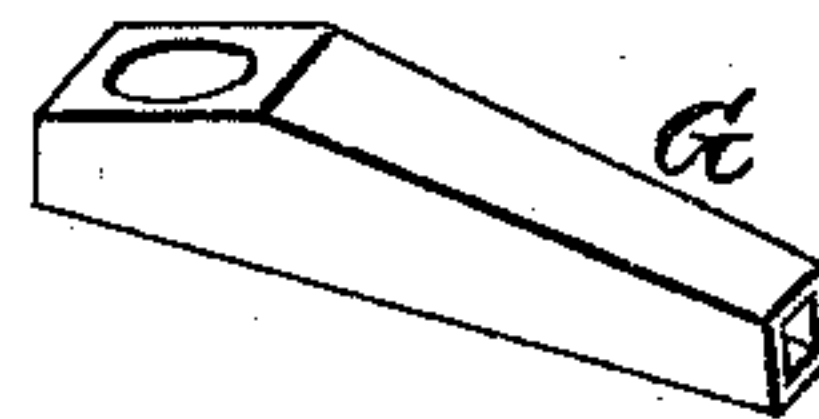


Fig: 4.



Witnesses:
R. S. Spencer
J. W. Coombs.

Inventor:
T. H. Green
per Munn & Co.
Attorneys.

UNITED STATES PATENT OFFICE.

T. H. GREEN, OF FOND DU LAC, WISCONSIN.

GRAIN-ELEVATOR.

Specification of Letters Patent No. 29,881, dated September 4, 1860.

To all whom it may concern:

Be it known that I, T. H. GREEN, of Fond du Lac, in the county of Fond du Lac and State of Wisconsin, have invented a new and useful Grain-Distributing Attachment for Elevators; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a side sectional view of my invention applied to a set of elevators. Fig. 2, a plan or top view of the same. Fig. 3, a detached perspective view of a hopper pertaining to the same. Fig. 4 a detached perspective view of a spout, pertaining to the same.

Similar letters of reference indicate corresponding parts in the several figures.

To enable those skilled in the art to fully understand and construct my invention, I will proceed to describe it.

A represents a framing in which an ordinary set of grain elevators B, are placed, C, being the head of the case or box *a*, of the elevators.

D, is the flooring of a store house or mill in which the elevators are placed.

To the lower end of the head C, of the case *a*, of the elevators, there is a hopper E, permanently attached. This hopper may be constructed of sheet metal, and of inverted conical form.

F, is a vertical shaft, which is fitted in suitable bearings *b*, and has an inclined spout G, attached to its upper end. The upper orifice of the spout G, is fitted snugly to the lower part of the hopper E, but the spout is allowed to turn freely with the shaft F.

The shaft F, extends down to the lower part of the storehouse or mill and has an index arm or lever H, attached to its lower end. This arm or lever H, has a certain degree of elasticity, and it is directly underneath a circular plate I, which is attached to the under side of the flooring D.

The plate I, is provided at its edge with a pendent ledge or flanch *c*, which is notched or recessed at certain points corresponding with the position of a series of bins J in the

storehouse or mill. This will be fully understood by referring to Fig. 2, in which the position of the bins is shown and numbered as also are the notches in the ledge or flanch *c*, of the plate I, the latter being shown by dotted lines.

The construction or formation of the spout G, is shown clearly in Fig. 4. The length of the spout G is such that by turning it around, its discharge end will project over any of the bins J, and if the position of the latter is such that this result can not be obtained, stationary spouts K, may be attached to the bins J, when required, the spouts K, having such a position, that the lower end of spout G, may be made to communicate with them.

From the above description it will be seen that an attendant below, or in the lower part of the building may adjust the spout G, so that the grain carried up by the elevators B, may be discharged in any of a series of bins J; the index H, serving as a means for turning the shaft F, and spout G, and the notches in the ledge or flanch *c*, serving to indicate the position of the several bins, as well as to receive the index H, and retain it, and consequently the spout G, in any of the positions required.

The elevators B, are an old and well known device, and I therefore do not claim them separately, but

I do claim as new, and desire to secure by Letters Patent—

1. The employment of the horizontally revolving distributing spout G, in combination with the bins J, when the axis of rotation of said spout is arranged beneath the discharging mouth of the elevator so that the grain may be conducted to any of the bins that are within the radius of the circle described by the outer end of the spout G, all as herein shown and described.

2. The combination of the revolving spout G, shaft F, and index lever H, with the elevating device B, substantially as shown and described.

T. H. GREEN.

Witnesses:

T. K. GILLET,

J. W. VALENTINE.