

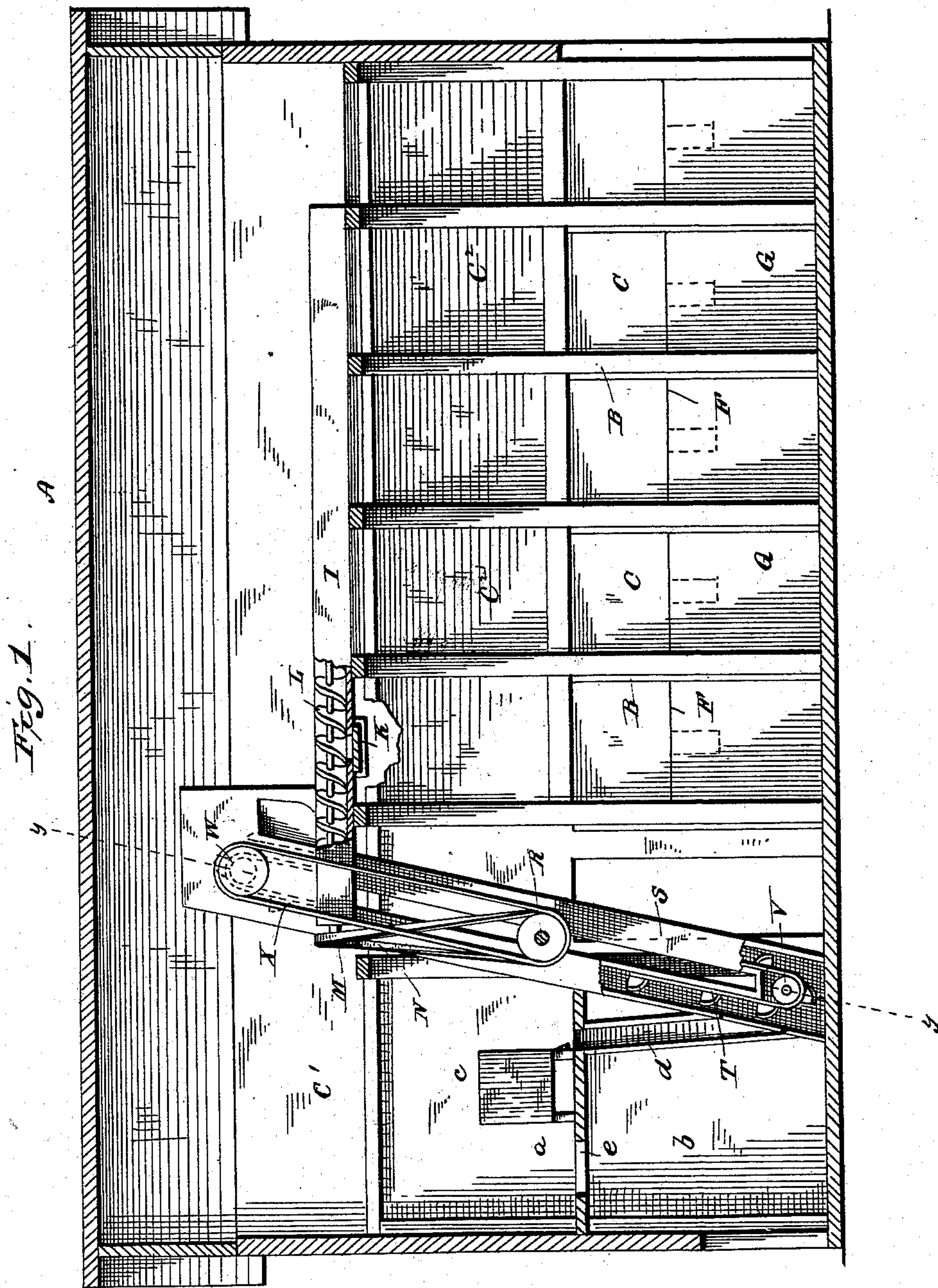
(No Model.)

2 Sheets—Sheet 1.

J. W., A. J. & M. H. BALDWIN, Jr., & G. A. GEISE.  
GIN HOUSE.

No. 283,187.

Patented Aug. 14, 1883.



WITNESSES

Edwin L. Jewell,  
J. J. McCarthy.

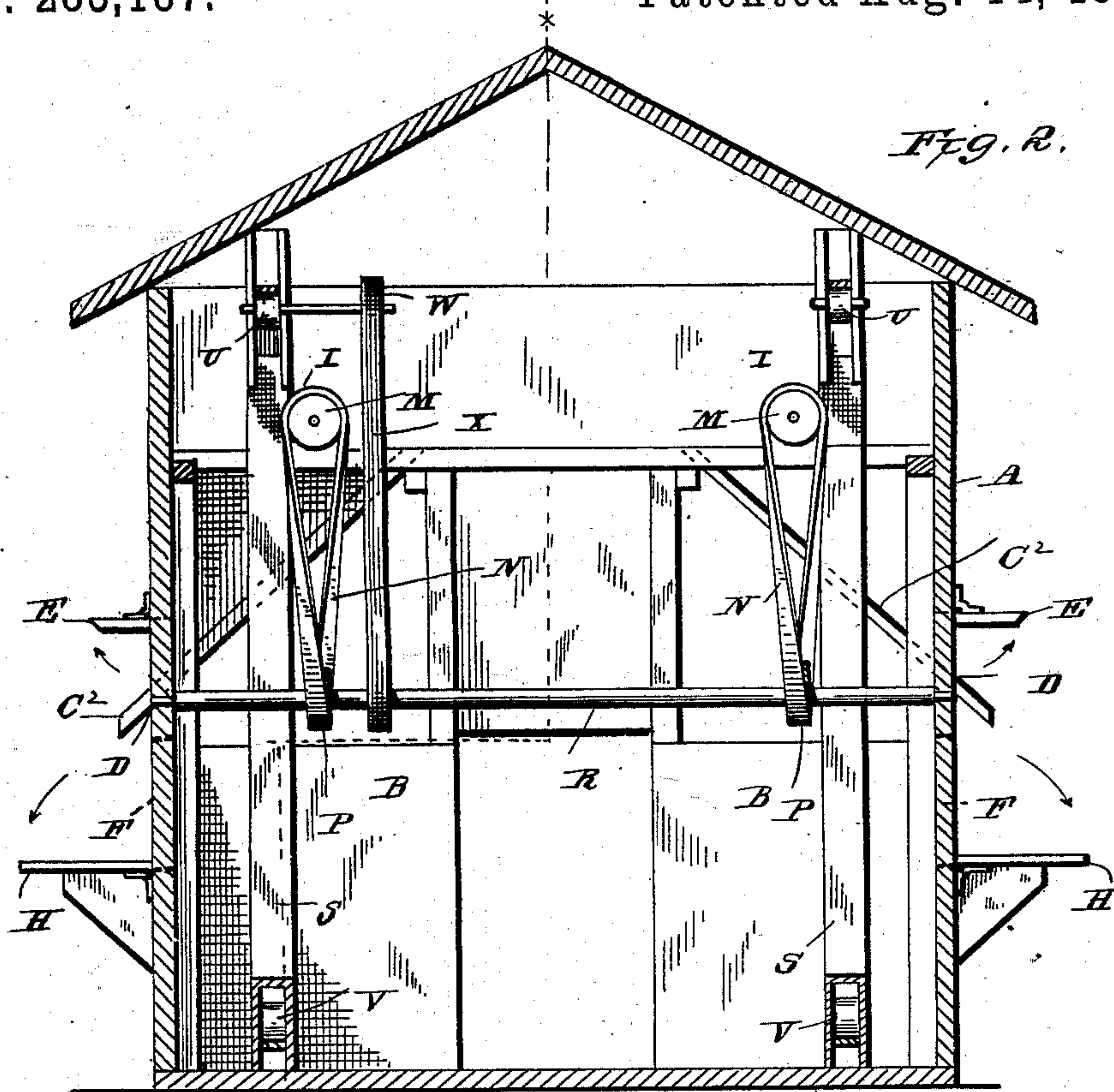
INVENTORS.

A. J. Baldwin, John W. Baldwin,  
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2 Sheets—Sheet 2.

# GIN HOUSE.

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*Fig. 3.*

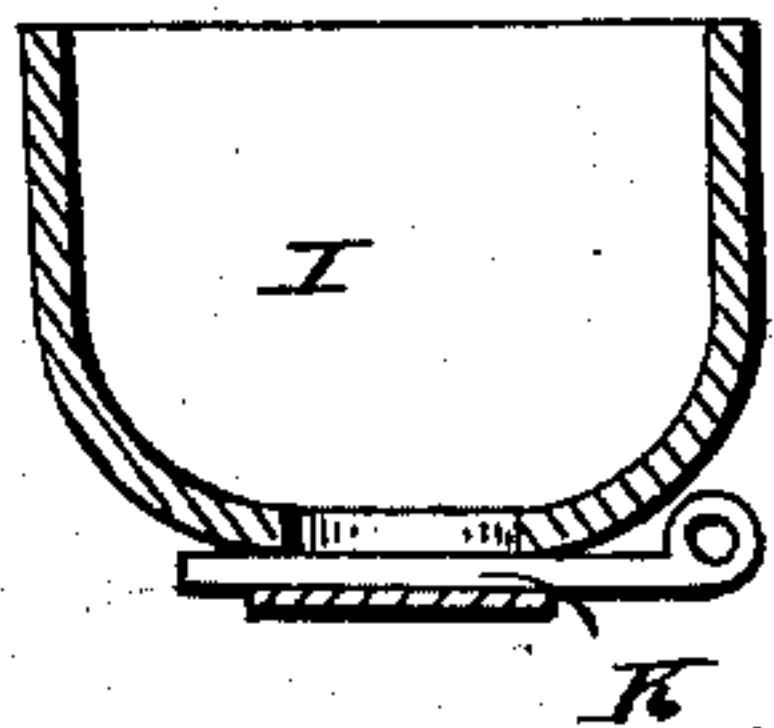
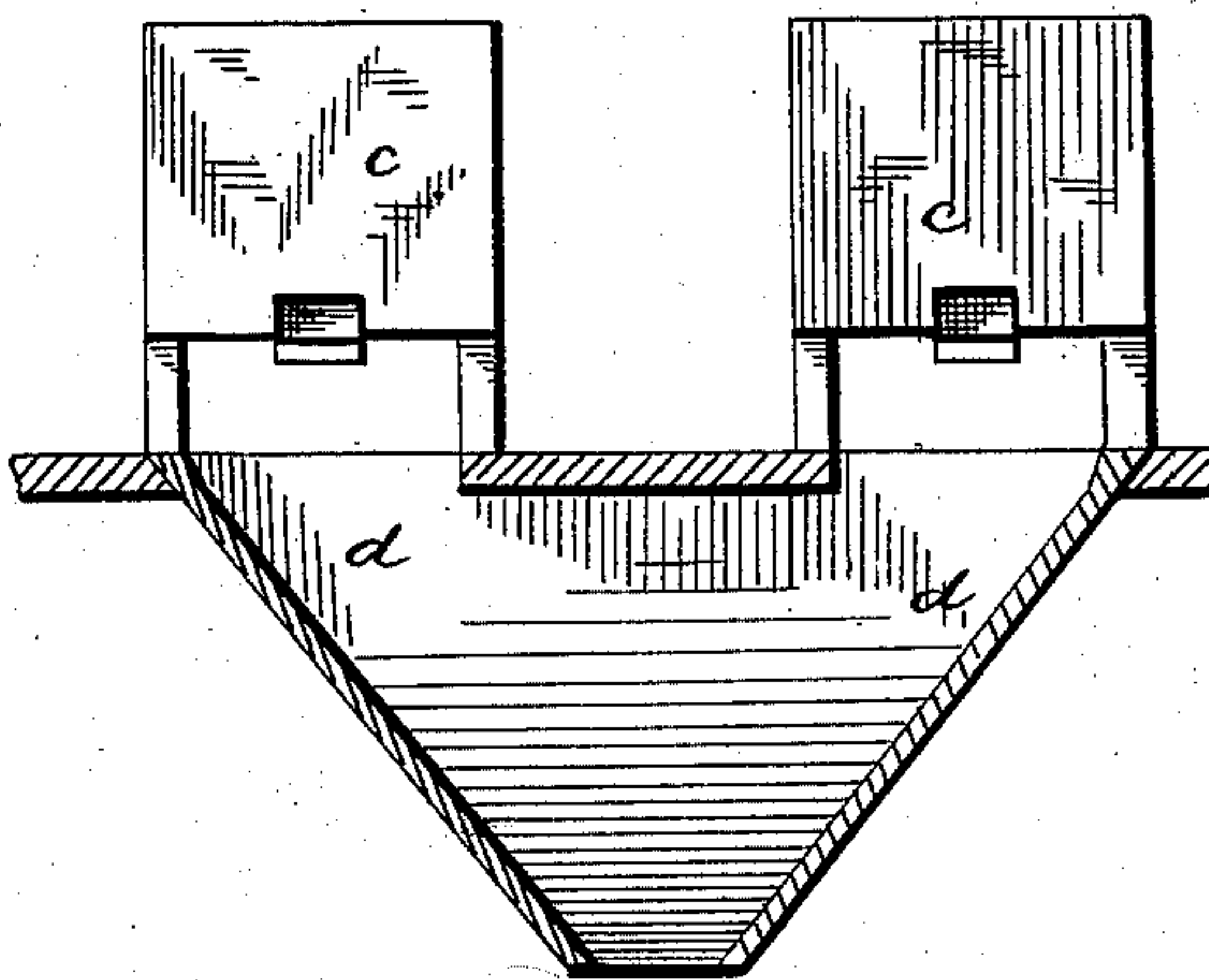


Fig. 4.



**WITNESSES**

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# UNITED STATES PATENT OFFICE.

JOHN W. BALDWIN, ANDREW J. BALDWIN, MOSES H. BALDWIN, JR., AND  
GEORGE A. GEISE, OF DAWSON, GEORGIA.

## GIN-HOUSE.

SPECIFICATION forming part of Letters Patent No. 283,187, dated August 14, 1883.

Application filed June 22, 1883. (No model.)

*To all whom it may concern:*

Be it known that we, JOHN W. BALDWIN, ANDREW J. BALDWIN, MOSES H. BALDWIN, Jr., and GEORGE A. GEISE, of Dawson, in the county of Terrell, and in the State of Georgia, have invented certain new and useful Improvements in Gin-Houses; and we do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

This invention relates to certain improvements in cotton-gin houses; and it has for its object to facilitate the reception of the unginned cotton, the handling of the same, and the delivery, as more fully hereinafter specified.

It is customary for farmers and small planters in some sections of the country to carry their cotton to the gin-house in quantities sufficient to make one or two bales, and it has heretofore been found inconvenient and tedious to manipulate the cotton, as it varies in quality, and each farmer desires his own cotton and seed when the ginning is finished. By our present invention these inconveniences are obviated to a great extent.

The above-mentioned objects we attain by the means illustrated in the accompanying drawings, in which—

Figure 1 represents a longitudinal vertical section of our improved gin-house on the line *x x* of Fig. 2; Fig. 2, a transverse vertical section on the line *y y* of Fig. 1. Fig. 3 represents a vertical cross-section of the conveyer-trough, and Fig. 4 a view partly in section and partly in elevation of a portion of the gin-casing.

The letter A indicates a building or structure, which is constructed of any suitable material, having a series of partitions, B, dividing it into a series of compartments, C, at one end and a single large compartment, C', at the other. Between the compartments C, which are located at opposite sides of the structure, is a longitudinal passage-way, which has a door at one end and connects with the large compartment at the other. The said compartments C are provided with inclined

partitions C<sup>2</sup>, which extend at their lower ends through openings D in the walls of the structure, the openings being provided with suitable doors, E, for the purpose hereinafter specified. Below the said openings D are a series of openings, F, leading into the lower parts of the compartments G, the said openings being provided with hinged doors H, which may be dropped, and held in a horizontal position at such height that a wagon may be driven under them, said doors, when down, serving as shelves onto which the unginned cotton may be unloaded, and from which it can be thrown into the compartments.

The letter I indicates two conveyer-troughs, which extend over the compartments C at each side. Over each compartment the troughs are provided with apertures having valves K, which may be opened, when desired, for the purpose hereinafter explained, and in the conveyer-troughs are located conveyer-screws L, which have their journals set in bearings at each end, the journals at one end projecting beyond their bearings, and being provided with pulleys M, which are driven by the twisted bands N, extending to the pulleys P, mounted on a driving-shaft, R, driven by a suitable motor.

The letter S indicates two elevators connecting at their upper ends with the conveyer-troughs above mentioned, the lower ends extending down to the bottom of the large compartment, as indicated. These elevators are provided with endless elevator-belts T, carrying the usual elevator-buckets, the bands passing over pulleys U V at the upper and lower ends of the elevator, the shaft of the upper pulley being provided with a pulley, W, which derives its motion from a pulley on the driving-shaft above mentioned through the medium of a belt, X. The large chamber is provided with upper and lower compartments, *a* *b*, in the upper one of which the gin *c* is located, and from said gin extend the conduits *d*, extending to the elevators, to convey the seed thereto. At one side of the gin is an opening, *e*, in the floor, through which extends the upper part of the press, into which the ginned cotton may be emptied for baling. The lower chamber is provided with suitable doors for



discharging the baled cotton, which may be at any convenient point or points.

The operation of our invention is as follows: The wagons containing the unginned cotton are driven up to the respective receiving-openings. As the wagons arrive the doors are let down and the cotton thrown in, each planter having the privilege of one or more cotton-compartments, according to the quantity he wishes ginned, and the several planters taking the compartments in rotation. In operation the cotton is moved from the compartments in the order in which they were filled and carried to the gins, where the seed is separated from the lint, the seed passing to the elevators, by which it is carried up and delivered to the proper seed receptacle or receptacles. The cotton, after ginning, is baled and supplied to the proper owner, and the seed of the same is delivered to him by running it into his wagon through the seed-discharge openings at the sides of the gin-house.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

1. The combination, in a gin-house, of the compartments for the reception of the cotton, provided with suitable openings, and the doors adapted to be opened and held in a horizontal

position while delivering the cotton to the compartments, substantially as specified.

2. The combination, with the compartments for holding the cotton, of the inclined partitions leading to openings at the sides, the doors adapted to open and close said openings, the conveyer-troughs, their slides and screw-conveyers, the elevators and operating mechanism, and the conduits leading from the gin, substantially as set forth.

3. The combination, in a cotton-gin house, of the smaller compartments for the cotton and the seed, having doors for receiving and delivering the same, the elevating and conveying mechanism, and the larger compartment, divided by a horizontal floor, and containing a gin and cotton-press, substantially as and for the purposes set forth.

In testimony whereof we affix our signatures, in presence of two witnesses, this 22d day of November, 1882.

JOHN W. BALDWIN.  
ANDREW J. BALDWIN.  
MOSES H. BALDWIN, JR.  
GEORGE A. GEISE.

Witnesses:

W. T. WEAVER,  
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