R. J. & A. C. KLATT.

SILO.

APPLICATION FILED MAY 23,1908.

948,397. Patented Feb. 8, 1910.

Fig. 1.

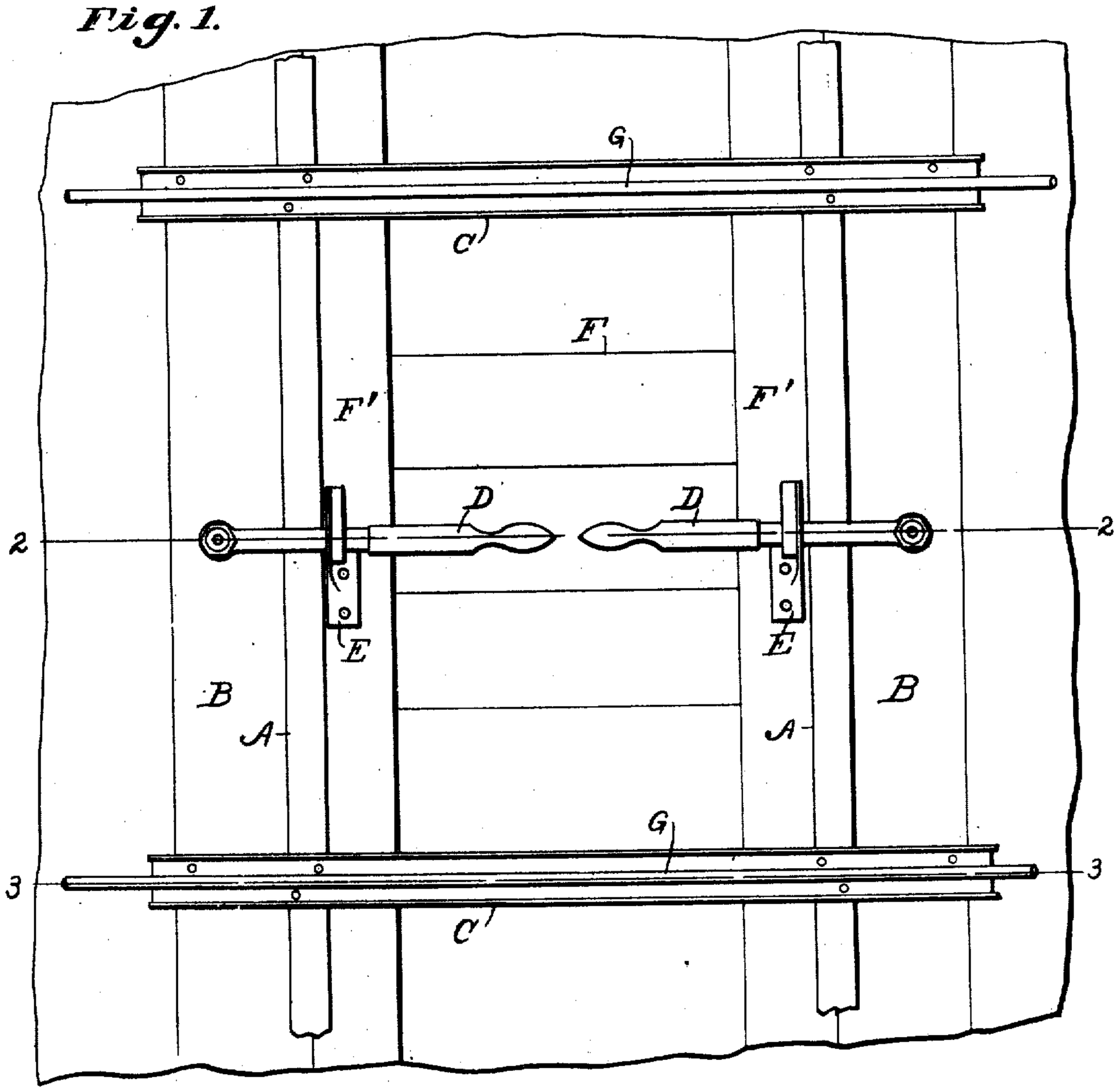

Fig. 2.

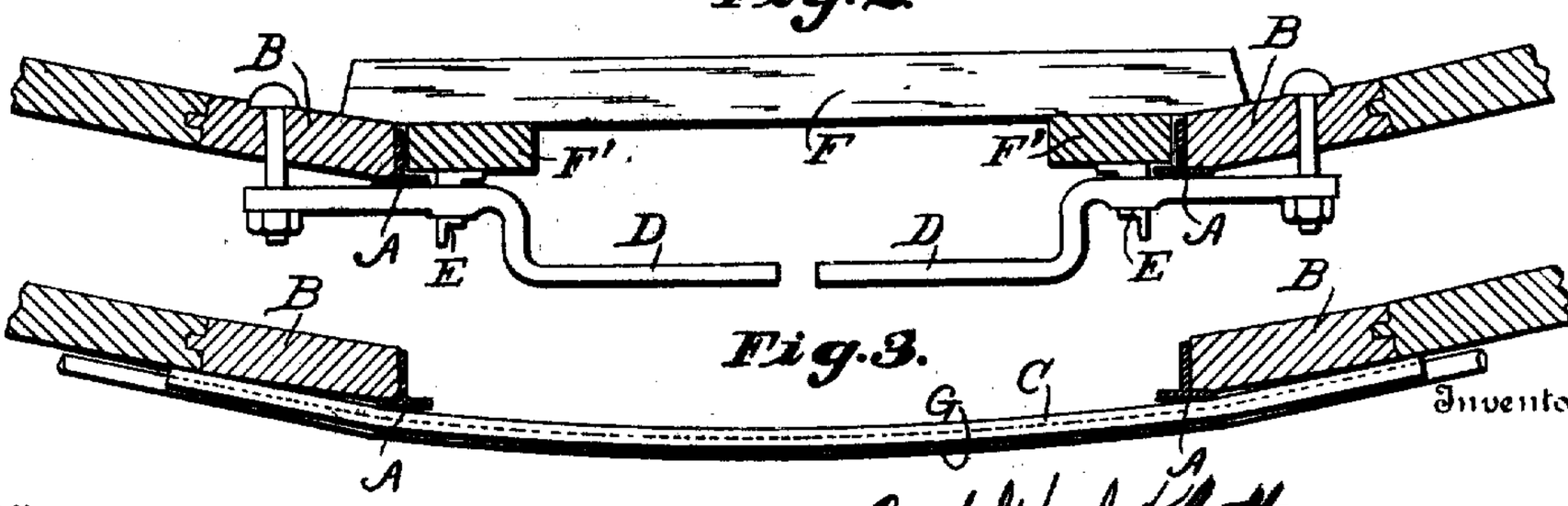

Fig. 3.

Witnesses
F. A. Otto.
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UNITED STATES PATENT OFFICE.

RUDOLPH J. KLATT AND ALBERT C. KLATT, OF BEAVER DAM, WISCONSIN.

SILO.

948,397. Specification of Letters Patent. Patented Feb. 8, 1910.

Application filed May 23, 1908. Serial No. 434,532.

To all whom it may concern:

Be it known that we, RUDOLPH J. KLATT and ALBERT C. KLATT, citizens of the United States, residing at Beaver Dam, in the county of Dodge and State of Wisconsin, have invented certain new and useful Improvements in Silos, of which the following is a specification, reference being had to the accompanying drawing.

The leading object of our invention is to provide fastenings for the doors that shall be convenient and efficient, and at the same time be permanently attached to the body of the silo, their weight on the doors being a needless addition to the labor of moving the same.

Figure 1 is a front view of a section of the door frame of a silo one of the doors being secured thereto. Fig. 2 a sectional top view of the same on the line 2—2. Fig. 3 a top view on the line 3—3 the door being omitted.

The body of the silo is composed of wooden staves, B—B, and two upright standards, A, A, of T shaped metal, the latter forming the sides of a continuous doorway. Cross bars, C, C, are secured across the doorway, thus dividing it into sections in the usual way, and G, G, are hoops surrounding the structure.

F is one of the doors, composed of two upright planks, F′, F′, and cross planks whose ends rest against the staves, B, B. Attachments, E, E, bolted to the planks, F′, F′, are fitted so as to form seats in which bars, D, D, rest, said bars being pivoted to the adjacent staves of the silo, the parts next the pivots resting against the uprights A A, and their inner ends offset so as to form steps for a ladder. A lug, H, is secured to each door to prevent its falling if one below it is off. An advantage of this style of door is that the attachments E—E make good handles for the doors.

We claim as our invention—

1. In a silo with a continuous doorway, a series of bars pivotally supported on the body of the silo, a row thereof on each side of said doorway, a series of removable doors, one above another, fitted in said doorway, and a pair of attachments secured to each of said doors and adapted to support a bar from each side of the doorway, the inner ends of said bars forming steps for a ladder.

2. In a silo with a continuous doorway, a door frame surrounding the doorway, a series of doors, one above another, fitted in said doorway, a series of bars pivoted to the body of the silo, and attachments secured to said doors and adapted to engage said bars, a portion of each bar resting against the door frame and thus holding the door in place.

3. In a silo provided with a continuous doorway, a bar pivoted to the body of the silo at the side of said doorway and adapted to form part of a ladder, a hingeless removable door fitted in said doorway, and an attachment secured to said door and adapted to engage said bar, said bar holding the door in place.

4. In a silo with a continuous doorway, a series of doors fitted in said doorway, a series of bars pivotally connected at one end to the body of the silo at the side of the doorway, and attachments secured to the doors and adapted to engage said bars, said bars being adapted to hold the doors in place.

In testimony whereof we have signed our names to this specification in the presence of two witnesses below subscribing.

RUDOLPH J. KLATT.
ALBERT C. KLATT.

Witnesses:
A. B. CHANDLER,
H. R. VETTER.