

(No Model.)

H. MORTENSON.

ASH CAN,

No. 366,342.

Patented July 12, 1887.

Fig. I.

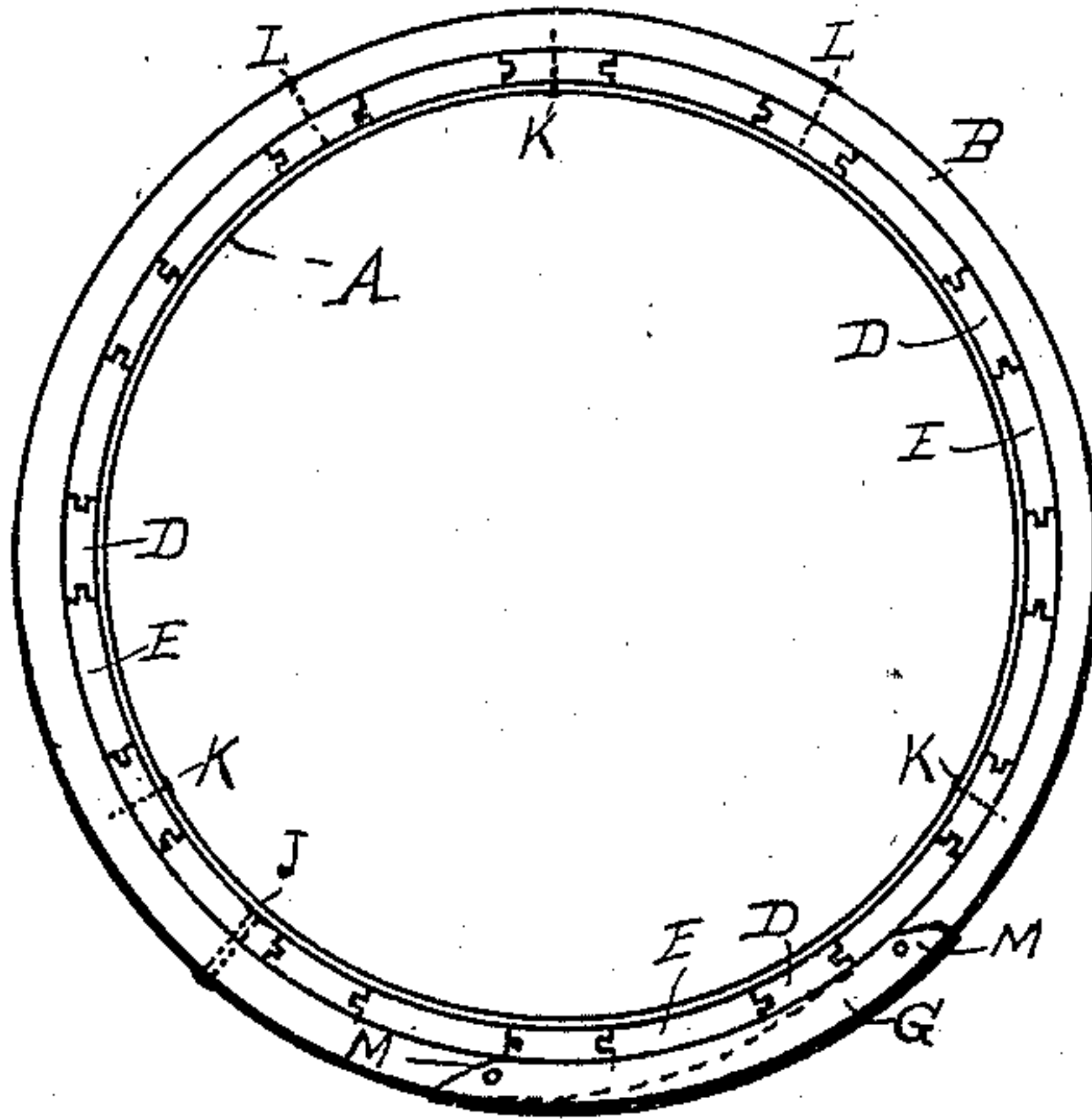


Fig. II.

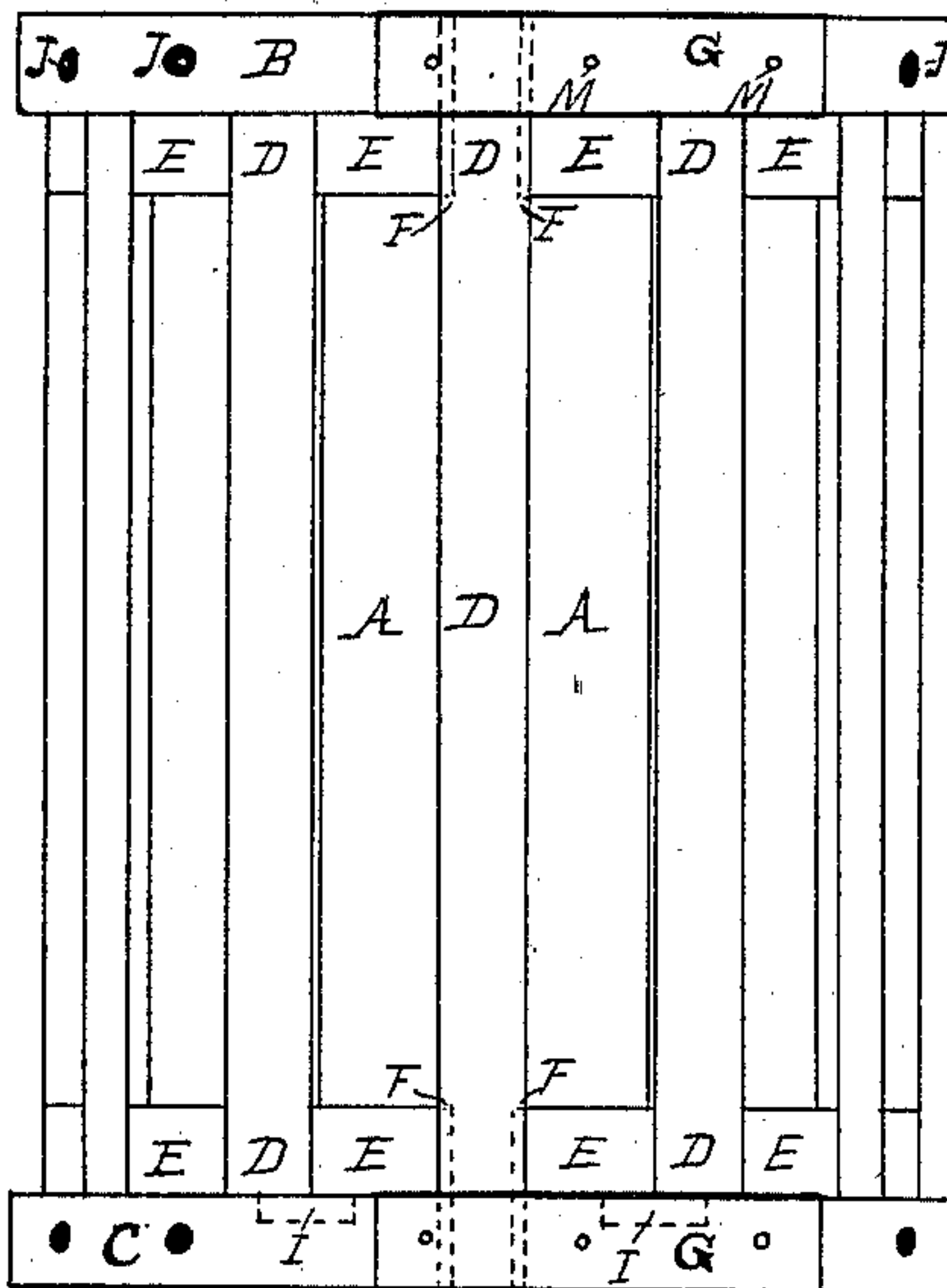
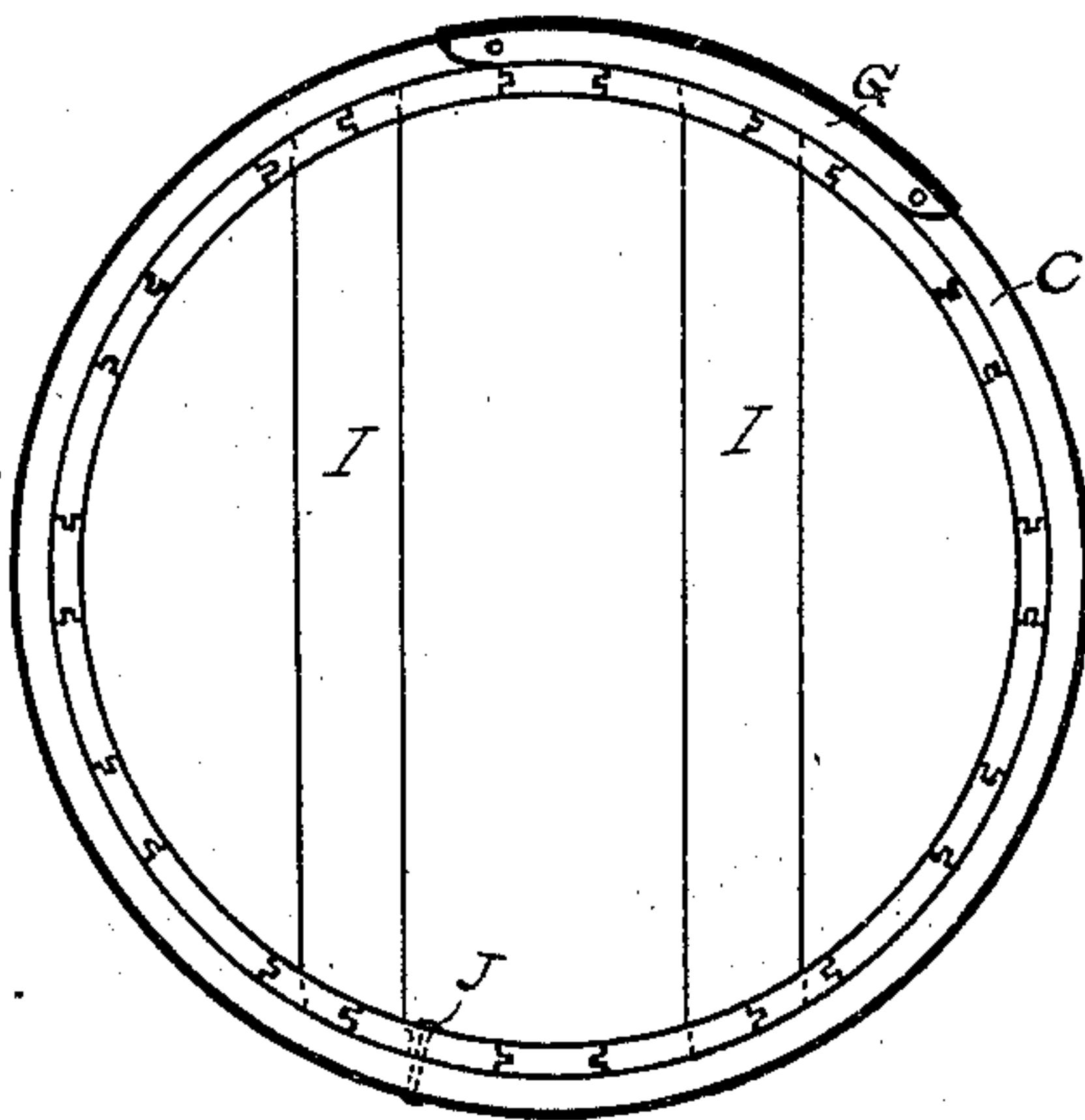


Fig. III.



WITNESSES.

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# UNITED STATES PATENT OFFICE.

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## ASH-CAN.

SPECIFICATION forming part of Letters Patent No. 366,342, dated July 12, 1887.

Application filed February 5, 1887. Serial No. 226,665. (No model.)

*To all whom it may concern:*

Be it known that I, HANS MORTENSON, a citizen of the United States and of the State of New York, residing at the city of Brooklyn, Kings county, New York, have invented certain new and useful Improvements in Ash-Cans, of which the following is a specification.

My invention relates to an ash-can which is formed of a plain metal can or receptacle made of sheet-iron, tin, or other suitable material, and surrounded and supported by a wooden frame-work, so constructed as to protect the metal can from indentations, injuries, &c., when it use.

In the drawings, Figure I is a view of the top of my can. Fig. II is a side elevation of the same, and Fig. III a plan view of the bottom thereof.

Similar letters of reference designate similar parts in all the drawings.

A is the metallic can or receptacle.

B and C are hoops which hold together the wooden frame-work, the ends of said hoops being secured by suitable metal fastenings or clasps, G. Each of these fastenings or clasps G is formed of a strip of sheet metal with a flange on each side, adapting it to fit around the three exposed sides of the hoop where the ends lap, as shown by dotted lines in Fig. I. These clasps may be secured by nails M, driven through holes therein into the hoop.

D D D D are staves, which are grooved from the points F F to their extremities, but are not grooved between the points F F. (See dotted lines, Fig. II.)

E E E E are short strips, which are tongued on each side, the tongues of the pieces E E fitting into the grooves in the pieces D D. The pieces E E and D D are firmly secured to the hoops B C, which are drawn tightly around them by rivets, as J J, or nails, as L L, or other suitable fastenings. I prefer to rivet the pieces E E and to nail the pieces D D; but either means may be adopted. By this construction I obtain a very light and strong frame-work. The side pieces, D D, will shield the metal can from all ordinary wear and tear, such as is occasioned by dumping the can over

the side of an ash-cart, &c., in emptying it, and the hoops B C effectually protecting the bottom and top of the can when the same is thrown upon the sidewalk or otherwise subjected to rough usage. Besides, the hoop B affords a convenient and firm hold for the hands in rolling or handling the can, and the elasticity of the wooden frame will enable it to resist much hard usage, which would dinge or break the metal can.

By means of my peculiar arrangement of the tongued and grooved pieces I obtain great solidity in the frame-work, for the tongues of the pieces E E coming against the ends of the grooves in the pieces D D at F will prevent the parts from sliding or slipping lengthwise or canting sidewise, as happens with the staves of a barrel; and the pieces E E E E thus serve as keys to lock together the frame-work.

The metal can may be supported by any suitable means within the frame-work; but I prefer to use cross-pieces I I, upon which the bottom of the can may rest, and then to secure the upper part of the can to the frame-work by nails K K; but, if desired, the rivets J may be passed through and riveted on the inside of the can, which will still further add to the solidity of the structure. The ends of the cross-pieces I I rest in sockets in the pieces D E, as shown by the dotted lines in Figs. II and III, and are held from slipping endwise by the hoop C.

Suitable handles may be attached to the can, if desired, and iron hoops might be used instead of wood; but I prefer the latter.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. The frame-work composed of the hoops B C and pieces D D E E, combined and operating substantially as and for the purposes set forth.

2. The combination, with a metal can or receptacle, of the wooden frame-work composed of the hoops B C and pieces D D E E, substantially as and for the purposes set forth.

3. The combination, with a metal can or receptacle, A, of a wooden frame-work composed of the hoops B C, held together by the fastenings G G, and the pieces D D, E E, and I I, substantially as set forth.
- 5 4. The combination, with a metal can or receptacle, of the wooden frame-work composed of the hoops B C and pieces D D, E E, and I I, substantially as and for the purposes set forth.

HANS MORTENSON.

Witnesses:

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