

(No Model.)

F. B. GINN.

FRUIT CAN.

No. 253,035.

Patented Jan. 31, 1882.

Fig. 1.

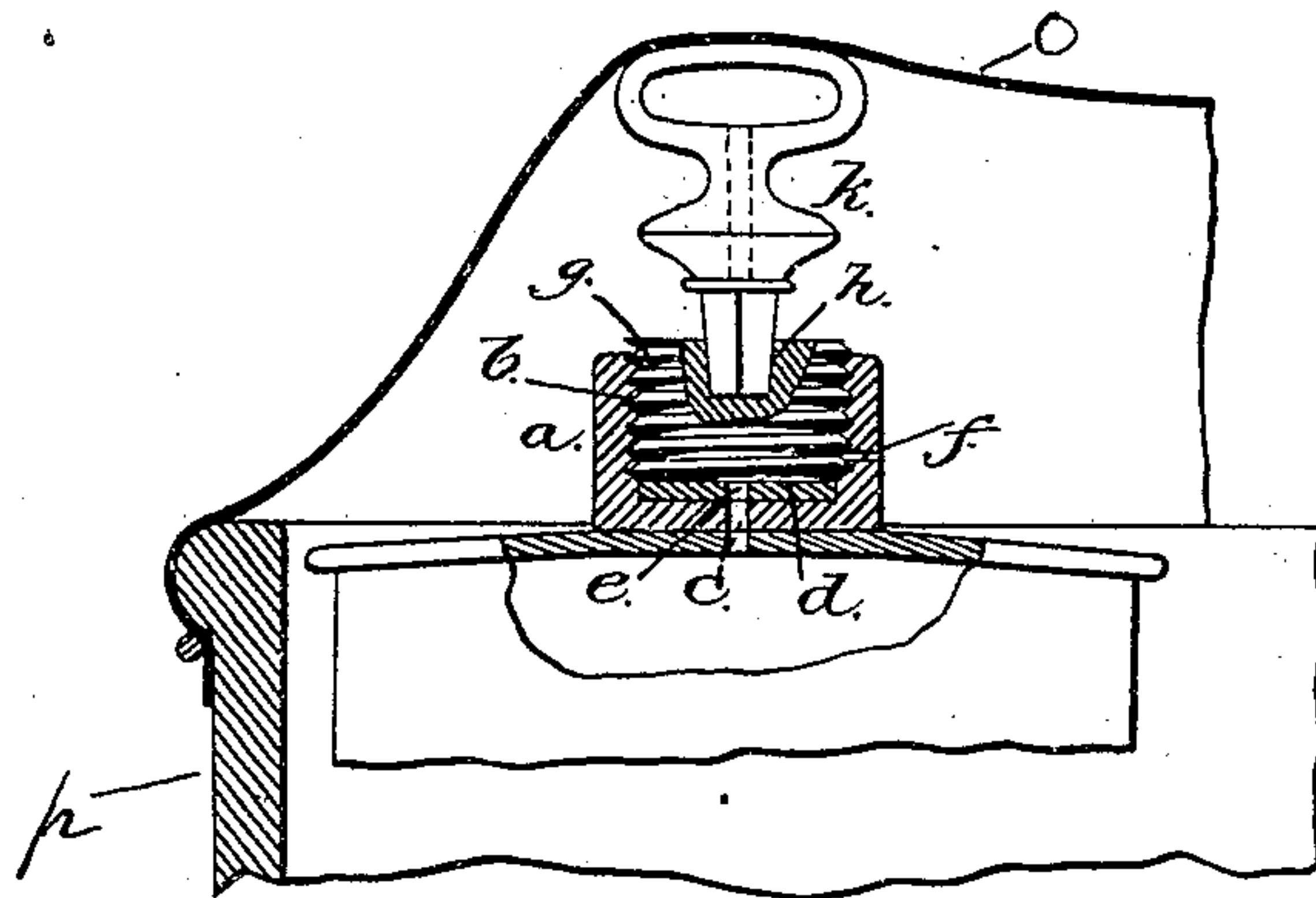


Fig. 2.

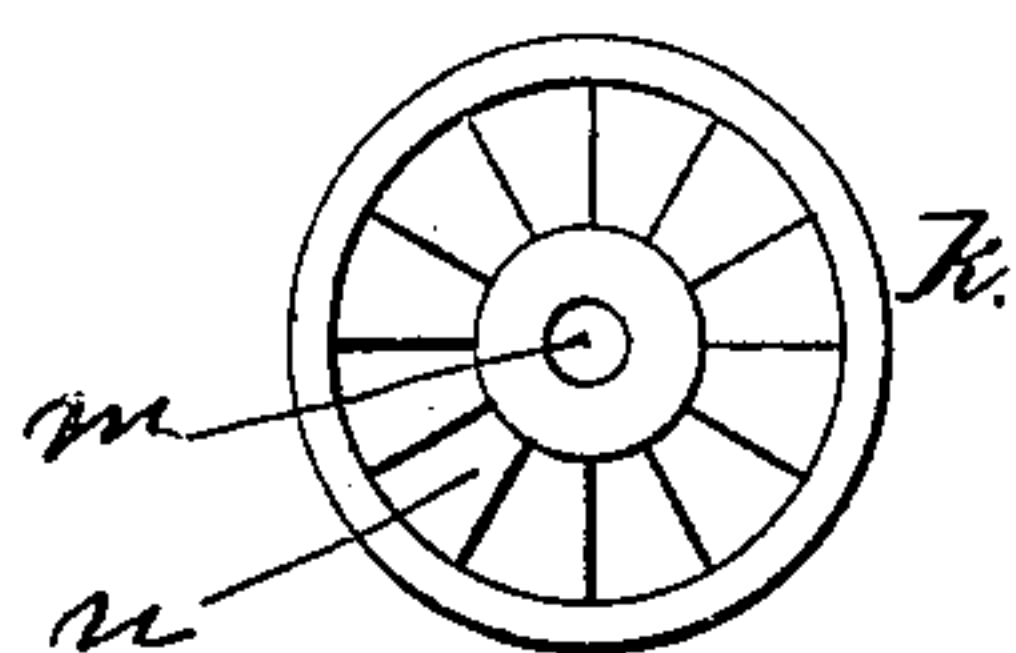


Fig. 3.

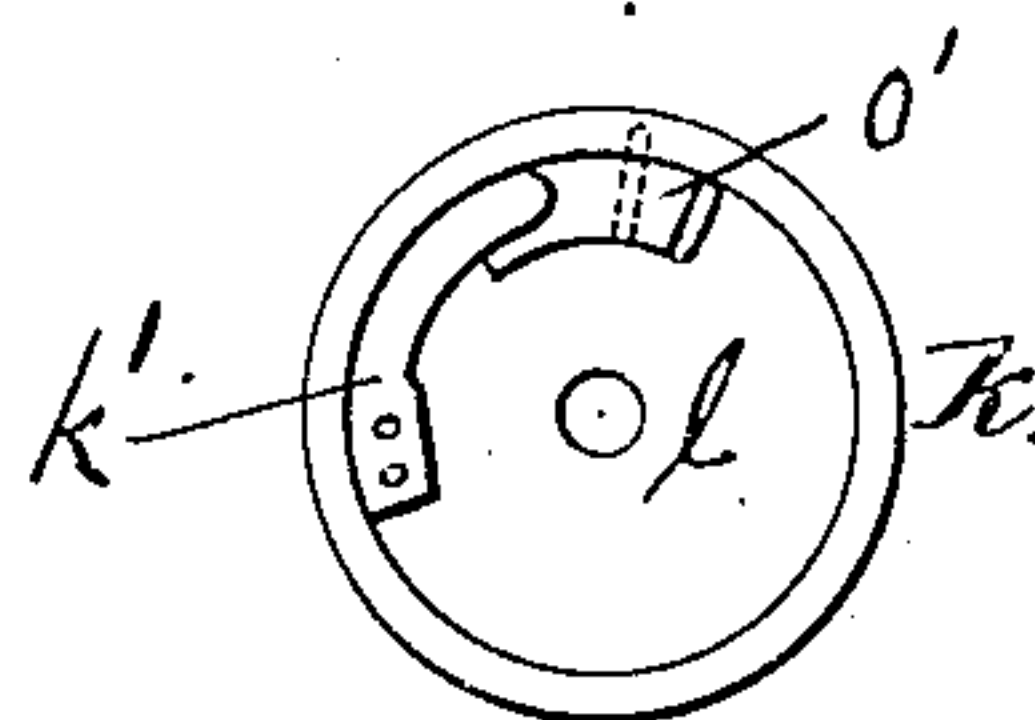
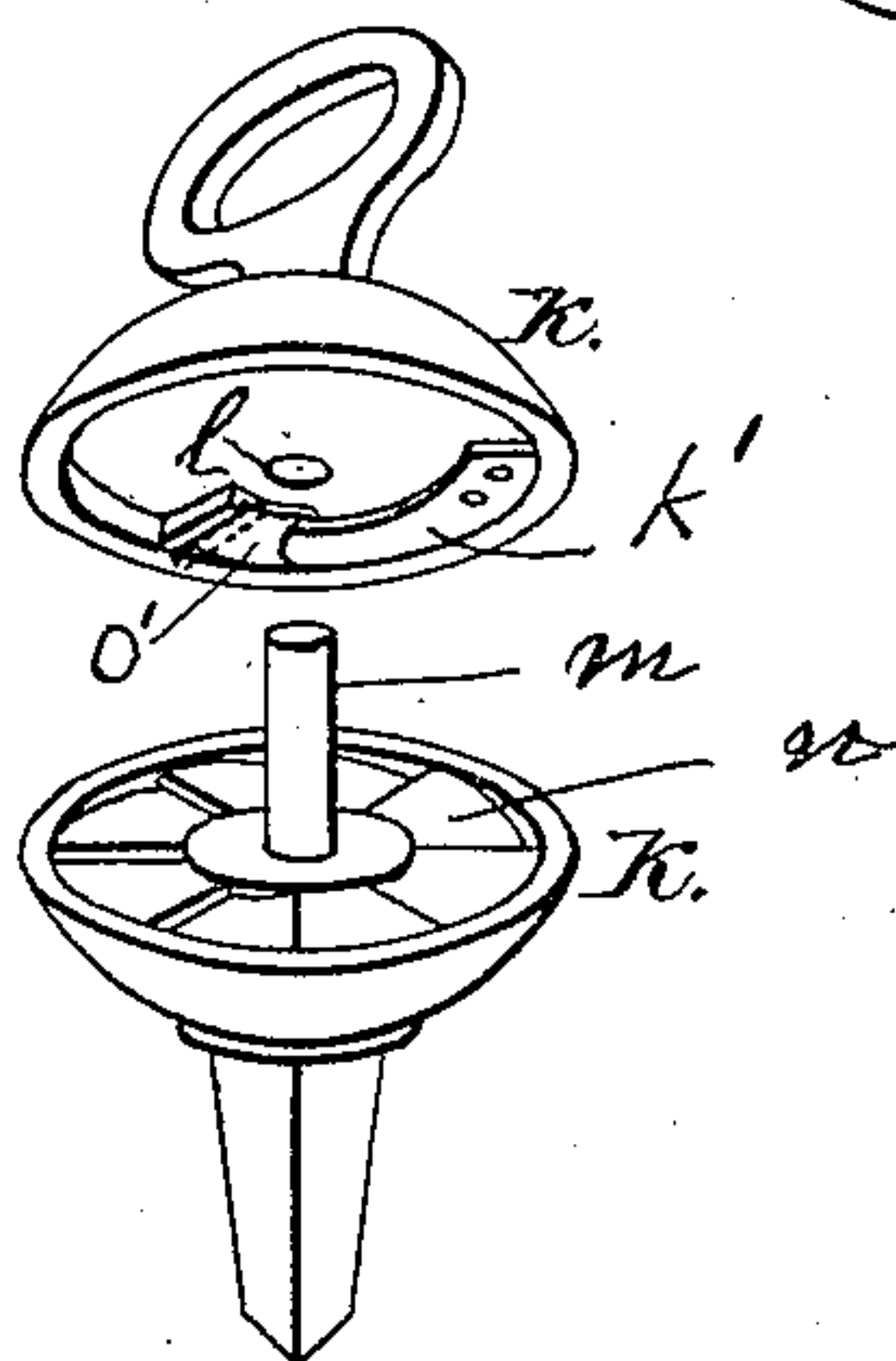


Fig. 4.



WITNESSES

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UNITED STATES PATENT OFFICE.

FREDERICK B. GINN, OF OAKLAND, CALIFORNIA.

FRUIT-CAN.

SPECIFICATION forming part of Letters Patent No. 253,035, dated January 31, 1882.

Application filed November 1, 1881. (No model.)

To all whom it may concern:

Be it known that I, FREDERICK B. GINN, a citizen of the United States, resident at Oakland, in the county of Alameda and State of California, have invented a new and valuable Improvement in Fruit-Cans; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a vertical section of my device, and Figs. 2 and 3 are detail views of the ratchet-key. Fig. 4 is a perspective detail of the ratchet-key.

This invention relates to improvements in cans; and it consists in a construction whereby the air can be exhausted from the can and the latter be hermetically closed, all as hereinafter set forth.

In the annexed drawings, the letter *a* represents a metallic thimble, about one-half of an inch in diameter. On the inside this thimble is threaded, as at *b*, and has in the bottom the hole *c*. Seated within the thimble is a snugly-fitting rubber or leather ring, *d*, having the hole *e* registering with the hole *c*. Above this ring *d* there is made a hole, *f*, in the side of the thimble *a*. Engaging the thread *b* of this thimble is a screw-stopper, *g*. This stopper may have a handle or be provided in the top with a square recess, *h*, in which is to be placed an operating ratchet-key, *k*. The ratchet-key *k* is made in two parts, which are fastened together so that the upper portion, which is perforated at *l* to receive the stem *m* of the lower portion, and carries the pivoted pawl *o'* and spring *k'*, may be turned backward, leaving the pawl *o'* inoperative upon the teeth *n* of the lower portion of the key. The spring *k'* bears upon the pivoted pawl *o'*, and causes the dog of the

same to bite the teeth *n* sufficiently hard to permit the key to be turned to drive the threaded stopper into the thimble, and when a reverse motion of the handle is made will yield to permit the pawl *o'* to slide over the teeth *n*.

This device, as described, is placed on a can, the thimble being soldered thereto, the hole *c* registering with one in the can-cover.

The air in the can may be exhausted through the thimble by any convenient means, after which the stopper is screwed down, covering the holes *e* and *c*, closing the hole *f*, and pressing on the rubber *o*. This completely seals the can.

This device is especially adapted for use with the exhaust-chamber described in my application filed August 3, 1881. The can, with the thimble in place, is put under the cover *p* and the air exhausted. The piston is then screwed down, as described. It is in this use of the device that the ratchet-key is advantageous. The piston is turned by grasping the key when the rubber is forced down thereon. When the piston is down and the key released the reaction of the rubber will only affect the ratchet of the key and leave the piston down at the bottom of the thimble.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

The combination of the can having its top provided with the perforated thimble, the screw-threaded stopper having the socket *h*, the ratchet-key *k*, and the rubber covering *o*, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

FREDERICK B. GINN.

Witnesses:

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M. L. JACKSON.