

(No Model.)

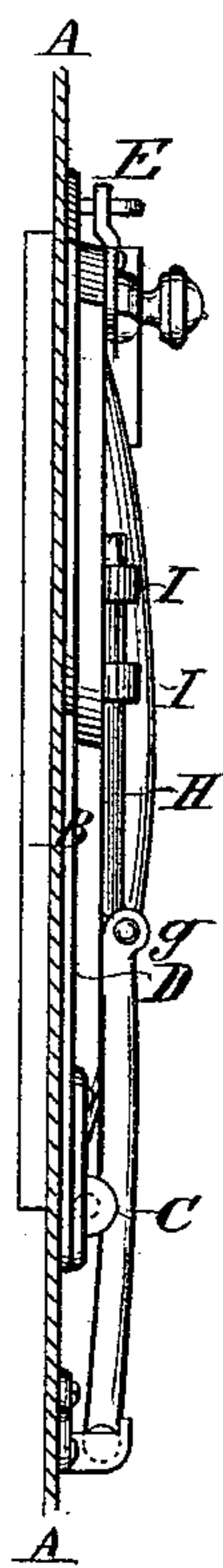
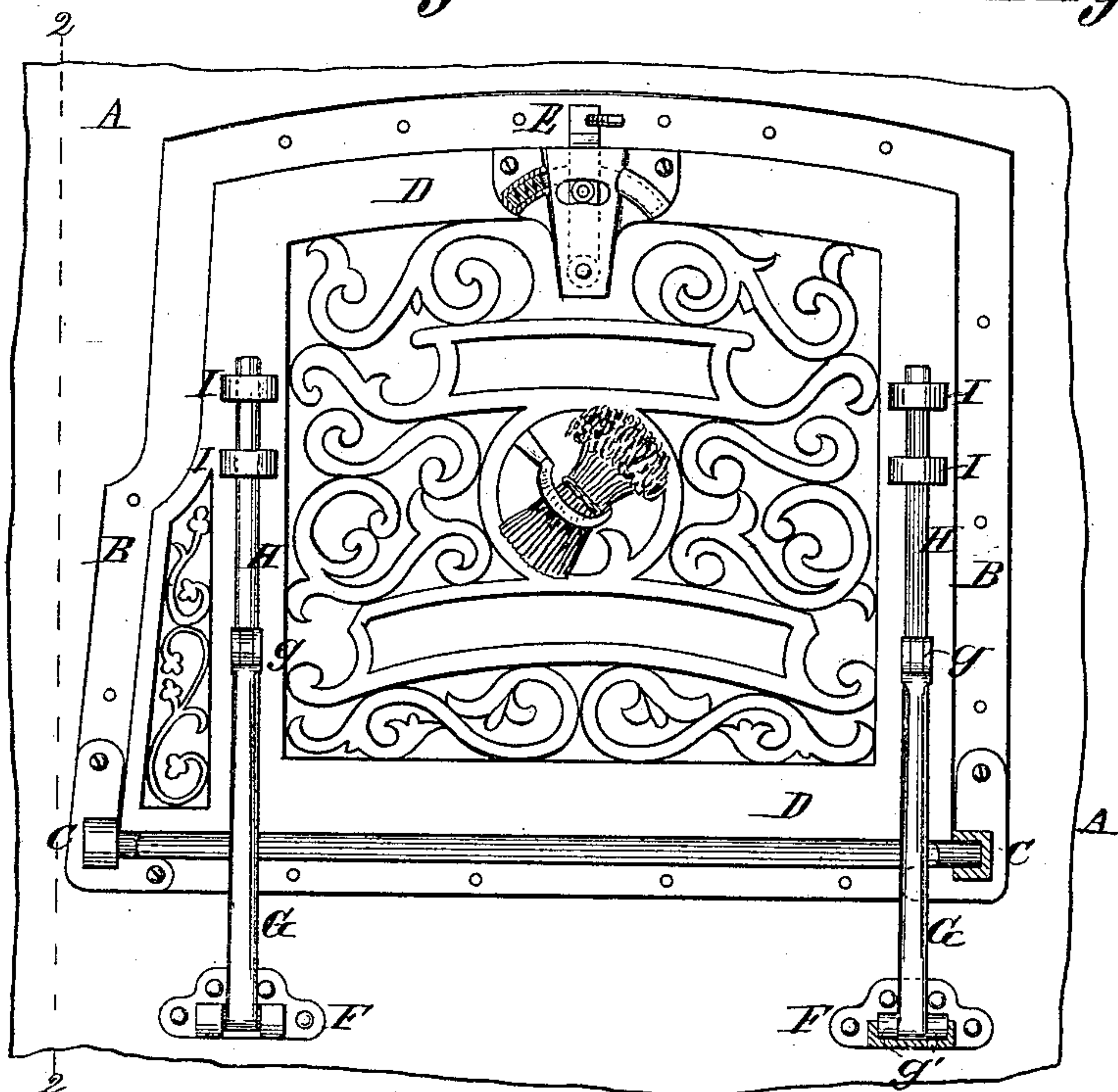
L. L. CULVER.  
DROP DOOR FOR OVENS.

No. 344,521.

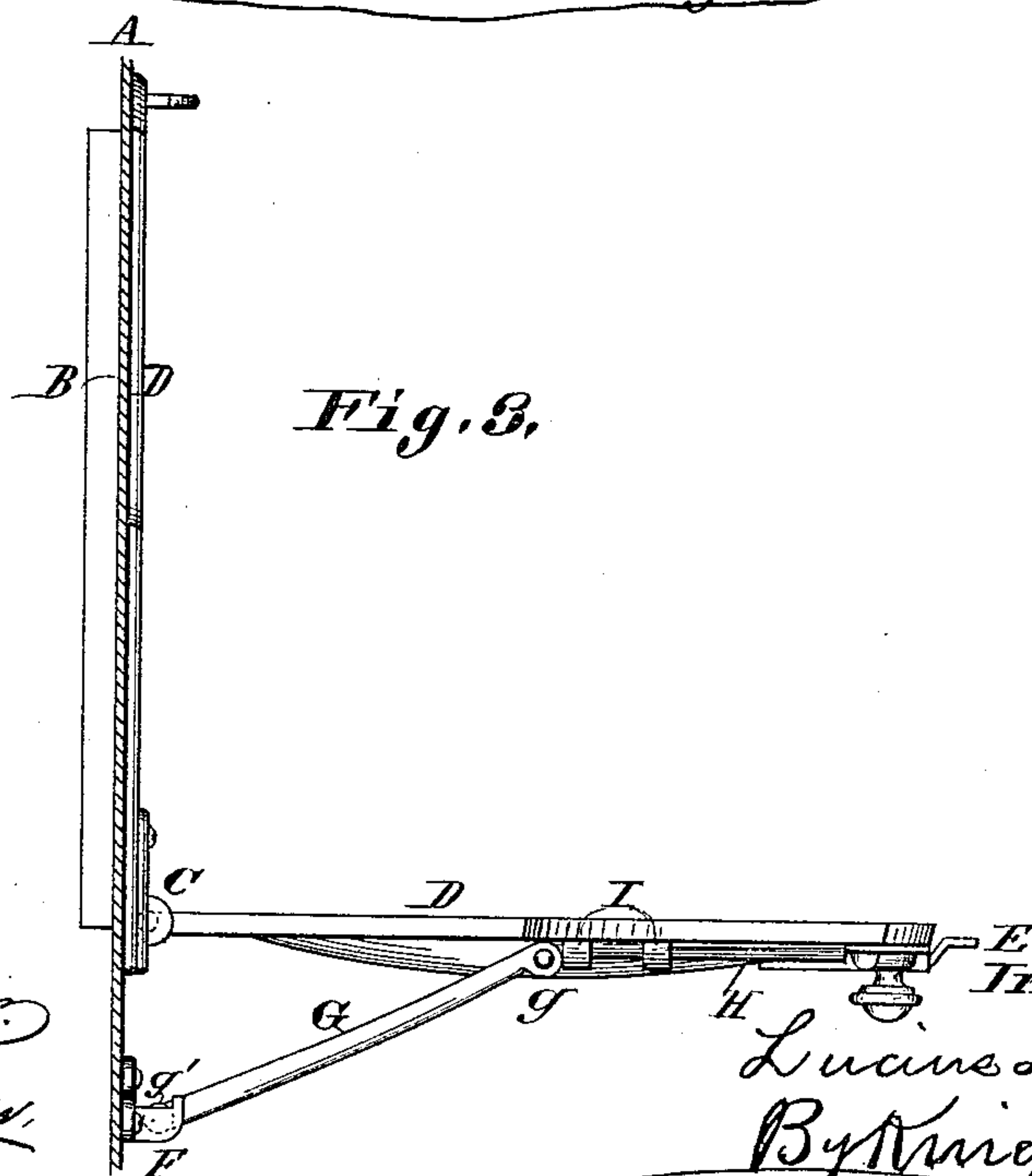
Patented June 29, 1886.

*Fig. 1.*

*Fig. 2.*



*Fig. 3.*



Attest:  
F. A. Hopkin,  
Edward Star,  
"

Inventor,  
Lucius L. Culver  
By Knight Bros.  
Atty.

# UNITED STATES PATENT OFFICE.

LUCIUS L. CULVER, OF ST. LOUIS, MISSOURI.

## DROP-DOOR FOR OVENS.

SPECIFICATION forming part of Letters Patent No. 344,521, dated June 29, 1886.

Application filed December 18, 1885. Serial No. 186,061. (No model.)

*To all whom it may concern:*

Be it known that I, LUCIUS L. CULVER, of the city of St. Louis, in the State of Missouri, have invented a certain new and useful Improvement in Drop-Doors for Ovens, &c., of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming part of this specification, and in which—

10 Figure 1 is a front elevation of the door and door-frame, with the latch-knob removed and part of the spring-case of the latch in section, one of the hinges also being in section. Fig. 2 is a cross-section at 2 2, Fig. 1; and Fig. 3 is  
15 a section at the same line, showing the door open.

This invention applies to that class of doors which let down to a horizontal position.

20 A may represent part of the vertical wall of a cooking range or stove, and B a door-frame secured thereto by rivets or otherwise.

C are the hinge-sockets, which may be cast upon the frame B, or secured thereto by screws, as shown. The hinge-sockets give bearing to  
25 the hinge-pintles *d* of the door D. The door has at top a latch, E.

F are hinge-lugs secured some distance below the bottom of the door, giving hinge-bear-

ing to the lower ends of the hinged braces G. The upper ends of the braces G are hinged at 30 *g* to guide-rods H, which work through eyes or staples I, which are shown cast upon the door. It will be seen that the hinges *g* form offsets or shoulders, against which the lower eyes or staples I come in contact when the 35 door is let down, (see Fig. 3,) and as the lower ends of the brace-rods have bearing in the lugs F, irrespective of the pintles *g'*, it will be seen that when the door is down there is no strain upon the hinges either at top or bottom. The 40 guide-rods form a guide and support for the upper ends of the brace-rods G.

Having now fully described my invention, what I claim is—

The combination, with a stove having a 45 door, D, hinged at bottom, of the brace-rod G, hinged at one extremity beneath said door, the guide-rod H, hinged at one extremity to the free extremity of said brace-rod, and the eyes or staples I, secured to the door, through 50 which said guide-rod slides, substantially as set forth.

LUCIUS L. CULVER.

In presence of—

BENJN. A. KNIGHT,  
EDW. S. KNIGHT.