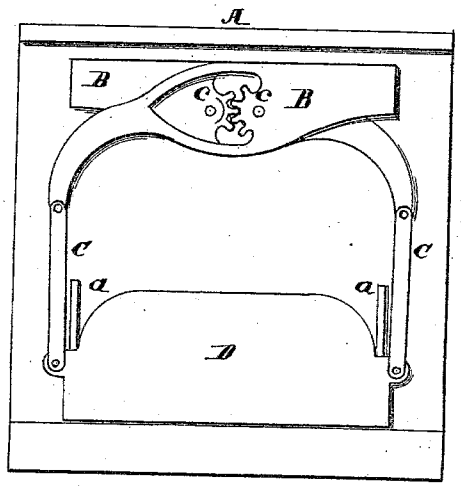
(No Model.)

# G. WELLHOUSE.

## BALANCED DOOR FOR STOVES.

No. 303,082. Patented Aug. 5, 1884.




Witnesses:

E. W. Stuart

Dayton A. Doyle

Inventor

George Wellhouse.

by C. P. Humphrey

Atty.

N. PETERS, Photo-Lithographer, Washington, D. C.

# UNITED STATES PATENT OFFICE.

GEORGE WELLHOUSE, OF AKRON, OHIO.

## BALANCED DOOR FOR STOVES.

SPECIFICATION forming part of Letters Patent No. 303,082, dated August 5, 1884.

Application filed January 23, 1884. (No model.)

*To all whom it may concern:*

Be it known that I, GEORGE WELLHOUSE, a citizen of the United States, residing at Akron, in the county of Summit and State of Ohio, have invented a new and useful Improvement in Balanced Doors for Open Stoves and Grates, of which the following is a specification.

My invention relates to improvements in vertically-acting counterbalanced doors for open stove and grate fronts.

The objects of my invention are to provide a door whose operation shall be substantially noiseless, which shall be evenly counterbalanced in any position, and which shall move in a true line, wherever the operating-power is applied.

It consists in the mechanism illustrated in the accompanying drawing, which represents an elevation of an open stove-front provided with my improved counterbalanced door.

To the upper part of the front A are pivoted two vertically-swinging levers, B B, one end of each of which is constructed as light as is consistent with strength, the other end being solid to constitute a counterpoise for the door. The light end of each lever is attached to one side of the door D by a link, C. Each lever is provided with a toothed segment, *c*, which segments mesh when the levers are in place, and compel them to move in unison. Beads or strips *a a* upon the front serve as guides for the door D. The whole may be covered by an ornamental casing, to serve as a finish for the stove and conceal the working parts.

I claim as my invention—

The combination, with a vertically-moving door, of two vertically-swinging levers weighted at one end and connected at the other with opposite ends of the door, and provided with segmental racks which mesh together, substantially as shown, and for the purpose specified.

In testimony that I claim the foregoing I have hereunto set my hand.

GEORGE WELLHOUSE.

Witnesses:

O. W. HALE,

DAYTON A. DOYLE.