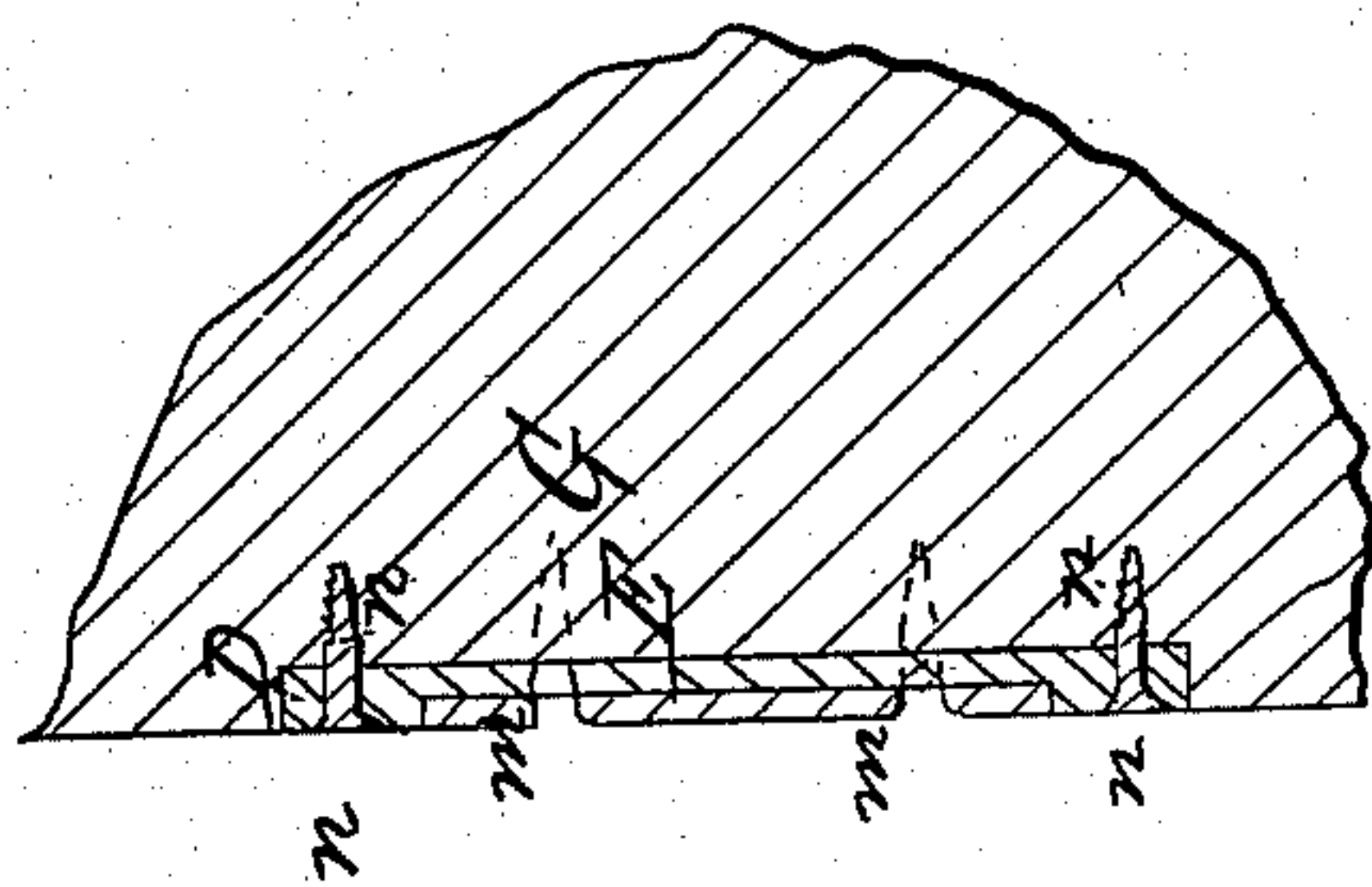


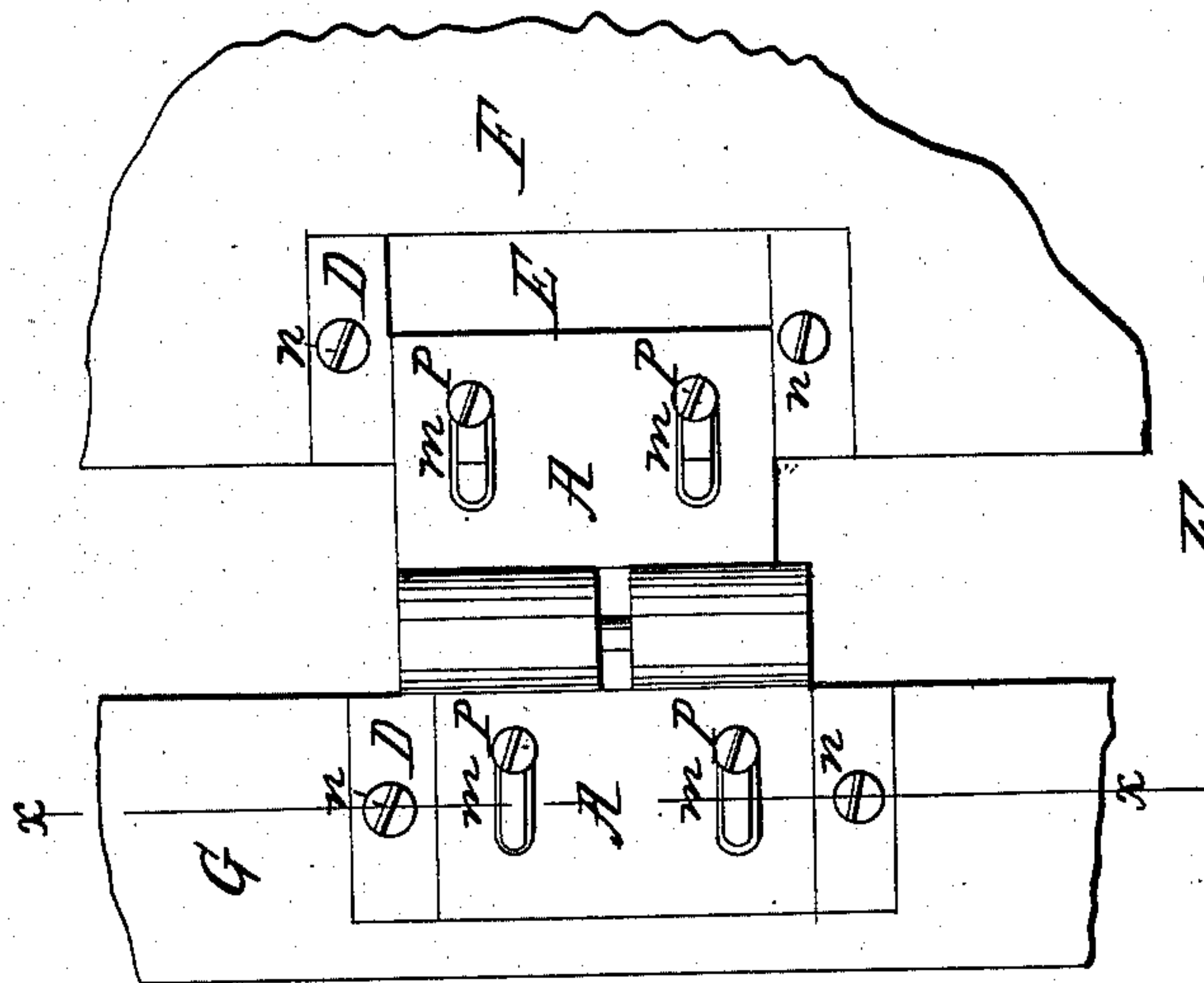
J. G. RALPH.  
ADJUSTABLE HINGE.

No. 67,904.

Patented Aug. 20, 1867.



*Fig. 2.*



*Fig. 1.*

Witnesses:  
C. M. Sturges  
W. H. Allen

Inventor:  
J. G. Ralph  
By his attorney  
Geo. B. Chapin.

# United States Patent Office.

JAMES G. RALPH, OF AURORA, ILLINOIS.

*Letters Patent No. 67,904, dated August 20, 1867.*

## ADJUSTABLE HINGE.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, J. G. RALPH, of Aurora, in the county of Kane, and State of Illinois, have invented a new and useful Improvement in Adjustable Hinge; 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 and letters of reference marked thereon, making a part of this specification, in which—

Figure 1 is an elevation of my hinge represented as attached to the door and jamb.

Figure 2 is a sectional elevation of the same, taken through the line *x x*.

The nature of my invention consists in fitting the wings of the hinge into a recess made in separate back plates, and in making horizontal slots through the wings of the hinge in order that they may be adjusted in the recessed plates in such a manner as to throw the door far enough out from the jamb to swing past different projections of architraves. By this arrangement nearly all of the different-sized hinges for doors can be thrown aside, thus saving much time and annoyance in selecting hinges to suit the mouldings on the casings. Another advantage is gained by the use of my hinge in consequence of the ease with which a door is made to fit the back of the rabbet, as will be shown by reference to the different parts.

G represents the door, and F the jamb to which the hinge is attached. D are the back plates, which are made to project above and below the wings A, in order that the screws *w* may be put through the plates and into the door and jamb F G. Fig. 1 shows the recess in one of the plates D, in which the wings A are fitted. *m* shows slots, made through the wings of the hinge in order that the wings may be drawn out or shut together, as the case may require. The slots are bevelled, as seen at fig. 2, so as to fit the head of the screw, and made long enough to allow the wings A to be drawn out far enough to swing over any architrave. The joint of the hinge is made similar to those in common use.

### *Operation.*

In order to use my hinge the plates D must be sunk into the door and jamb in the usual manner, and fastened by means of the screws *n*, after which the wings A can be put in the recessed part E, and secured by the screws P passing through holes made through the plate D, and into the door or jamb. The door can be fitted to the back rabbet by drawing out one of the wings, and from the plate D, as seen at fig. 1; and when it is required to lengthen the hinge to swing over an architrave both wings can be drawn out, which can be readily done by loosening the screws P.

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

The arrangement and combination of the hinge A A and plates D, when constructed substantially as and for the purpose set forth.

JAS. G. RALPH.

Witnesses:

A. W. STEARNS,  
M. H. ALLEN.