

F. TOEDT.
HINGE.

No. 170,314.

Patented Nov. 23, 1875.

Fig. 1.

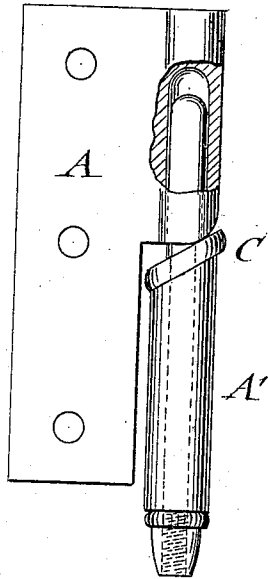


Fig. 2.

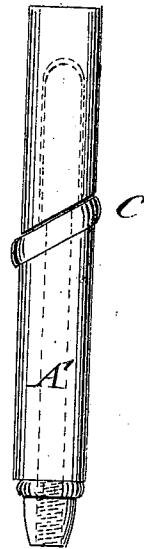


Fig. 3.

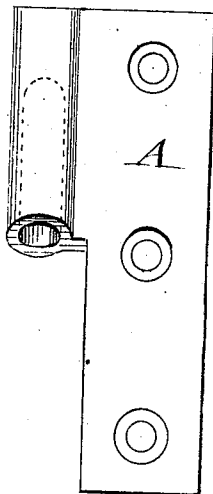
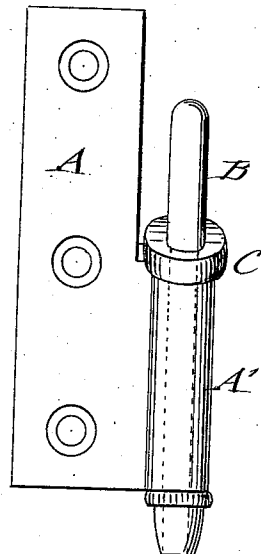


Fig. 4.



WITNESSES:

E. Wolff
A. J. Perry

INVENTOR:

F. Toedt

BY

Munn
ATTORNEYS.

UNITED STATES PATENT OFFICE.

FRIEDERICH TOEDT, OF NEW YORK, N. Y.

IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. **170,314**, dated November 23, 1875; application filed September 25, 1875.

To all whom it may concern:

Be it known that I, FRIEDERICH TOEDT, of the city, county, and State of New York, have invented a new and Improved Butt-Hinge, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a side view, Fig. 2 an end view, of my improved butt-hinge, and Figs. 3 and 4 the detached parts or wings of the same.

Similar letters of reference indicate corresponding parts.

My invention relates to an improved butt-hinge for doors of all kinds, by which the same are raised when being opened, and closed by their own weight, dispensing thereby with the threshold, which admits the more convenient laying of carpets and improves the appearance of the rooms.

The invention consists of a butt-hinge made of a wing-plate with a spindle and fixed inclined washer, on which the correspondingly-inclined sleeve end of the other wing-plate slides, raising thereby the door.

In the drawing, A represents the wing-plates of a butt-hinge for doors, of which the sleeve A' of the lower plate attached to the door-frame is provided with a stationary spindle, B, to which an inclined washer, C, of hard metal is rigidly fastened. The washer C rests

on the similarly-inclined sleeve A', and forms the bearing for the correspondingly-inclined sleeve end of the upper washer attached to the door.

The opening of the door produces the raising of the door to the height or rise of the inclination of the washer, so that the bottom edge of the door clears the carpet without friction and resistance by the same.

The door closes automatically by means of the inclined washer, and may be kept in open position by a suitable spring-catch, or equivalent device.

The advantage of the hinge is obvious, as it allows the laying of carpets from one room to another on an even surface without necessitating sills or thresholds as at present.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A hinge provided with an inclined washer, C, arranged on the pintle between the correspondingly-inclined surfaces of the stationary and movable sleeves, as and for the purpose specified.

FRIEDERICH TOEDT.

Witnesses:

T. B. MOSHER,
ALEX. F. ROBERTS.