(No Model.)

C. H. BEER.

HINGE.

No. 382,860. Patented May 15, 1888.

Fig. 1.

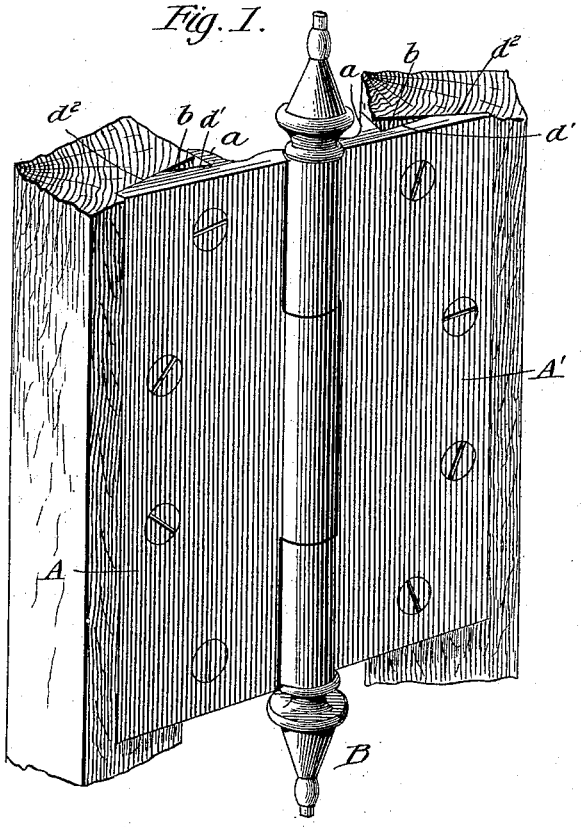
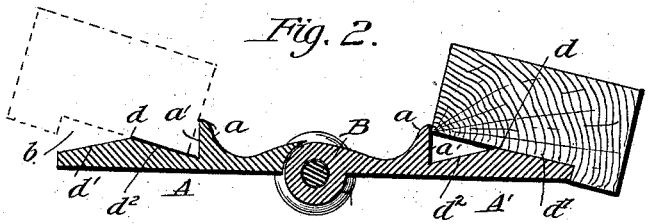


Fig. 2.



WITNESSES:

H. Clark.

C. Sedgwick

INVENTOR.

C. H. Beer.

BY Munn & Co.

ATTORNEY.

UNITED STATES PATENT OFFICE.

CHARLES H. BEER, OF NEW YORK, N. Y.

HINGE.

SPECIFICATION forming part of Letters Patent No. 382,860, dated May 15, 1888.

Application filed March 2, 1888. Serial No. 265,904. (No model.)

To all whom it may concern:

Be it known that I, CHARLES H. BEER, of the city, county, and State of New York, have invented a new and Improved Hinge, of which the following is a full, clear, and exact description.

My invention relates to an improved hinge, and has for its object to provide a hinge whereby a door, shutter, or similar article may be thrown in or out to compensate for shrinkage or warpage in a simple, expeditious, and effective manner without inserting wedges between the hinge and the article hung.

The invention consists in providing the under or engaging faces of the hinge with a longitudinal shoulder and inclined planes emanating from the center and inclined therefrom, and in the construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in both figures.

Figure 1 is a perspective view of the hinge attached, and Fig. 2 is a transverse section thereof.

In carrying out the invention, A A′ represent the wings or leaves of a hinge, united, in the usual manner, by a pintle, B. Each leaf of the hinge is provided with a longitudinal shoulder, *a′*, produced between the pivotal edge and the outer edge, which shoulder, having a straight outer face, determines the bearing-surface, and consequently the width, of a receiving-recess, *b*, in the door or shutter and door or window frame. From the shoulder extends a rib, *a*, for a purpose hereinafter set forth.

From a central point, *d*, between the rib and outer edges of the leaves the inner surface is inclined in opposite directions, respectively, to an intersection with the rib and outer edges, producing inclined planes d' and d^2, as best shown in Fig. 2.

Four or more screw-apertures are provided in each leaf, when four are employed two being formed in the inclined plane d', preferably near the top and bottom, and two at each side of the center in the inclined plane d^2. Thus, by loosening one set of screws when the hinge is secured in position and tightening the other set, either inclined plane d' or d^2 may be brought into positive engagement with the door or frame, and the former be thereby thrown outward or carried inward, as the occasion may demand.

The rib *a* is of such width as that when the outer inclined plane is engaged the said rib will conceal any space intervening the opposite inclined surface and the door or frame, as shown in Fig. 2.

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

1. A hinge having the under bearing-surface of the leaves inclined in opposite directions from an approximate central point, as and for the purpose specified.

2. A hinge having the under bearing-surface of the leaves inclined in opposite directions from an approximate central point and a longitudinal shoulder at the termination of the inner incline, substantially as and for the purpose herein specified.

CHARLES H. BEER.

Witnesses:
J. F. ACKER, Jr.,
EDGAR TATE.