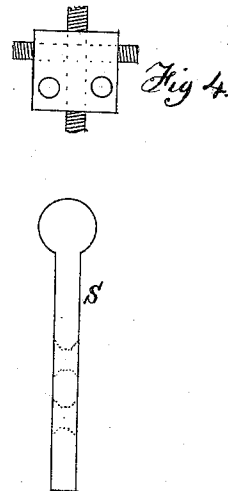
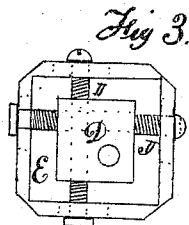
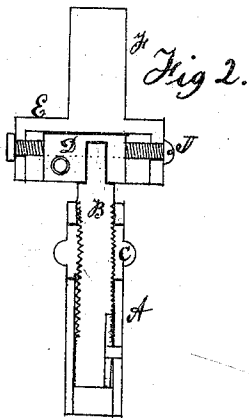
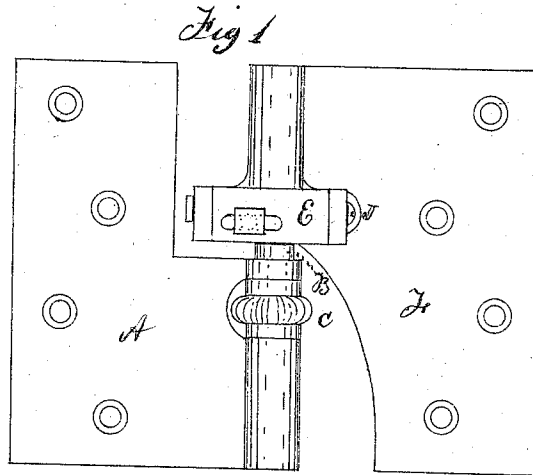


A. A. CLUFF.

Improvement in Hinges.

No. 128,593.

Patented July 2, 1872.



Witnesses
Dan^l. Doane
Sam^l. Brown

A. A. Cluff, Inventor.
by his Atty
J. G. Arnold

UNITED STATES PATENT OFFICE.

ANTHONY A. CLUFF, OF WORCESTER, MASSACHUSETTS.

IMPROVEMENT IN HINGES.

Specification forming part of Letters Patent No. 128,593, dated July 2, 1872.

Specification describing an Adjustable Hinge, invented by ANTHONY A. CLUFF, of the city and county of Worcester, State of Massachusetts.

My invention relates to the adjusting or changing the two parts of a hinge in regard to each other, both in the line of their axis of motion, and in all other directions at right angles thereto, and by a combination of them to adjust the two parts in any direction. Its nature consists in the use of a pintle with a nut to raise or lower it attached to one plate, and on the other a block or cap in a socket, and adjusting it by means of screws therein.

In the accompanying drawing, Figure 1 shows a hinge or butt with my invention applied. Fig. 2 shows a vertical section of the pintle and its nut. Fig. 3 shows a plan of the cap in its socket, and screws. Fig. 4 shows some variations in the block or cap, making the hinge reversible.

A is the plate holding the pintle B, which is arranged to slide in A, but not to turn, and has a thread fitting the nut C, its upper end being fitted to the block or cap D, which rests on it, and is held in the socket E on plate F, and is adjustable therein by the screws I and J in any direction at right angles to the axis of

the pintle. This construction allows the two parts of the hinge to be separated, or the door to be lifted off without other change.

In Fig. 4 a block or cap is shown with two holes to fit the pintle, and the plate S having the pintle on a line with its center, allowing it to be together to swing either right or left, as desired.

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

1. The pintle B, adjusted vertically by the set-screw and nut C working in an aperture in the lower leaf, as shown and described.

2. The block or cap D, within the socket E, resting upon the pintle, and adjusted laterally, both in the direction of the plane of the hinge-leaf and at right angles thereto, as described and shown.

3. The combination of the vertically-adjustable pintle with the block or cap adjustable laterally within its socket on the upper leaf, all constructed and operating as and for the purpose set forth.

ANTHONY A. CLUFF.

Witnesses:

T. SMITH,

PETER BEDELL.