

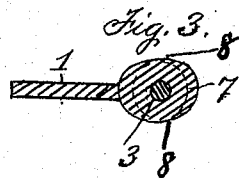
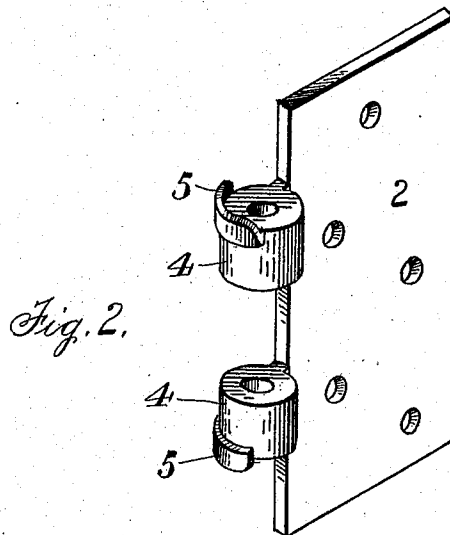
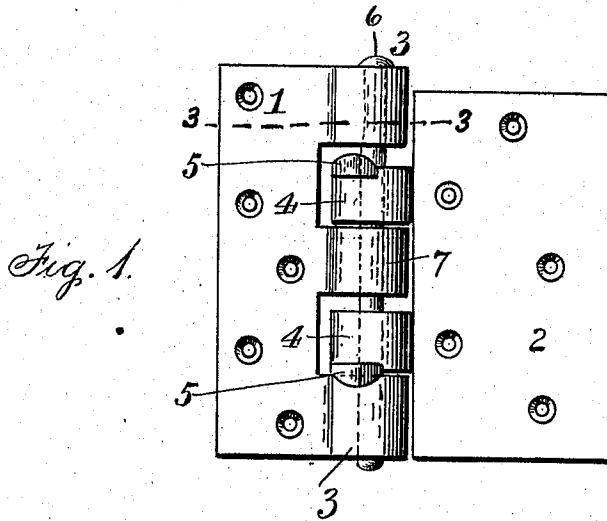
C. L. BROOKS.

HINGE.

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918,731.

Patented Apr. 20, 1909.



Witnesses
F. L. Ourand
C. Mantauze

Inventor
Charles Louis Brooks
By *John A. Sauls*
Attorney.

UNITED STATES PATENT OFFICE.

CHARLES LOUIS BROOKS, OF CHARLOTTESVILLE, VIRGINIA.

HINGE.

No. 918,731.

Specification of Letters Patent.

Patented April 20, 1909.

Application filed October 16, 1906. Serial No. 339,155.

To all whom it may concern:

Be it known that I, CHARLES LOUIS BROOKS, a citizen of the United States, residing at Charlottesville, in the county of Albemarle and State of Virginia, have invented certain new and useful Improvements in Hinges, of which the following is a specification.

My invention relates to hinges, and more particularly to hinges for shutters, gates, and the like; and has for its object to so construct the same, that it will lock the shutter or other closure either in its open or closed position, and furthermore is capable of use with a shutter opening or closing either to the right or left.

In the drawings forming a part of this specification, and in which like symbols of reference represent corresponding parts in the several views:—Figure 1 is a side view, showing the hinge open; Fig. 2 a perspective view of one of the leaves, showing the locking projections on the same; and Fig. 3 a transverse section, on line 3—3, of Fig. 1.

1 and 2 represent the leaves of the hinge; 3 knuckles or ears on leaf 1; and 4 knuckles on leaf 2. Upon the knuckles of leaf 2 are shown lugs or cam-surfaces 5, the same preferably formed integral with the knuckles 4, and adapted to ride upon the knuckles 3 and raise the shutters during the operation of opening or closing the same. The knuckles 3 are of such reduced diameter at their sides 8, 8, as to permit said lugs 5 to overlap the same both in the closed and open position of the shutter or gate. That is, the sides of

lugs 3 are reduced only where the cams 5 rest at the limit of their movement, so as to lock the shutter in the two positions.

6 is the bolt or pintle connecting the leaves, said pintle being adapted to be withdrawn and the hinge inverted and pintle inserted in same, when it is to be used with shutter opening in opposite direction.

The knuckle 7 is put on leaf 1 of hinge simply to add strength to hinge, the hinge operating well without it. Of course only one cam-surface is in use at a time, and the object of having two is for the purpose of operating it for a right or left-hand shutter.

The operation is so apparent from the foregoing description that it is not thought necessary to recapitulate.

Having now fully described my invention, what I claim as new and desire to secure by Letters-Patent, is:—

In a reversible hinge, a leaf having knuckles furnished with cams on the periphery thereof, in combination with a leaf formed with knuckles having reduced sides down which the cams are adapted to slide and interlock in predetermined positions, the spaces between the said knuckles being of such a diameter as to permit the rise and fall of the cam-knuckles in operation.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES LOUIS BROOKS.

Witnesses:

J. M. ROBERTSON,
R. S. J. STERLING.