

W.C. Cates,

Bolt.

No. 113,264.

Patented Apr. 4. 1871.

Fig. 1

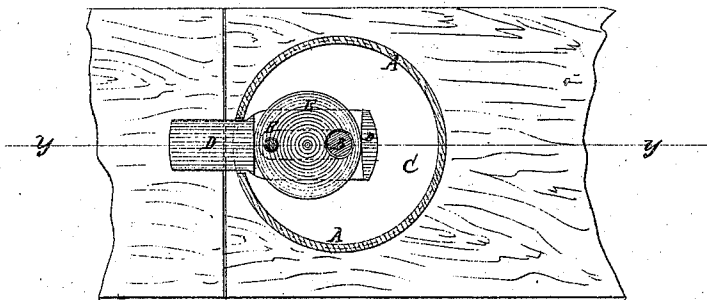


Fig. 2

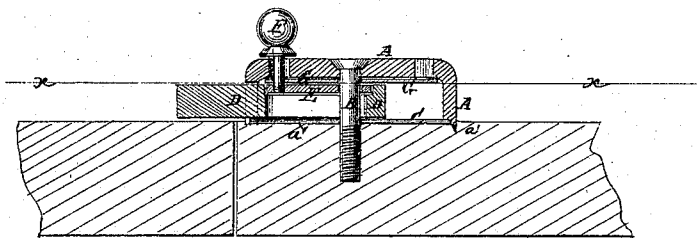
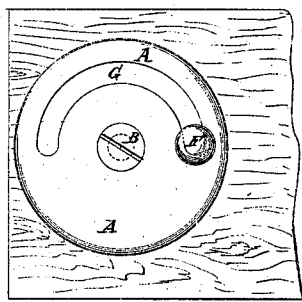


Fig. 3



Witnesses:

A. W. Almqvist
Wm. H. C. Smith.

Inventor:

W. C. Cates

PER

Mmm

Attorney

United States Patent Office.

WILLIAM C. COLES, OF WILLIAMSBURG, NEW YORK.

Letters Patent No. 113,264, dated April 4, 1871.

IMPROVEMENT IN BOLTS.

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, WILLIAM C. COLES, of Williamsburg, in the county of Kings and State of New York, have invented a useful Improvement in Bolts; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing forming part of this specification.

Figure 1 is a detail sectional view of my improved bolt through the line *x x*, fig. 2.

Figure 2 is a detail sectional view of the same taken through the line *y y*, fig. 1.

Figure 3 is an outside view of the same.

My invention has for its object to furnish a neat, simple, and convenient bolt for window-sashes, doors, &c.; and

It consists in the construction and combination of the various parts of the bolt, as hereinafter more fully described.

A is the cap or case of the bolt, which is secured in place by a single screw, B, that passes in through the center of the said case, and screws into the sash or other object to which the bolt is to be attached.

Upon the edges of the case A are formed small prongs or teeth *a'*, which sink into the wood and prevent the case A from turning upon the screw B.

C is a circular plate, the edges of which fit into a rebate in the inner edge of the case A, and through the center of which the screw B passes.

D is the bolt, which works through a notch or hole in the side of the case A; the inner part of the bolt D is slotted longitudinally to receive the screw B, which serves as a guide to the said bolt in its movement.

The bolt D slides out and in upon the plate C, and its inner part is notched upon its outer side to receive

a small circular disk, E, through a hole in which, near one edge, passes the screw B, which thus pivots the said disk eccentrically.

To the disk E, near its other side, is secured the stem of the knob F, which passes in through a curved slot in the case or cap A, so that the bolt D may be moved in and out by moving the said eccentric disk E around upon its pivoting point by moving the knob F along the curved slot in the cap A.

G is a circular disk, through the center of which the screw B passes, and through which, near one side, the stem of the knob F passes, as shown in fig. 2.

The disk G is placed directly beneath and close to the top of the cap or case A, and is designed to close the curved slot through the said case or cap A to prevent the entrance of dirt to the interior of the case.

The slot in the case A should be made of such a length that when the bolt D is pushed out the knob F will have crossed the central line of the said bolt, so that no inward pressure upon the outer end of the bolt can turn the disk E back and thus allow the bolt to be pushed in.

Having thus described my invention,

I claim as new and desire to secure by Letters Patent—

An improved bolt, consisting of the circular slotted cap or case A made with teeth upon its edge, screw B, slotted bolt D, eccentric disk E, knob F, and guard-plate G, said parts being constructed and operating in connection with each other substantially as herein shown and described, and for the purpose set forth.

The above specification of my invention signed by me this 1st day of March, 1871.

WILLIAM C. COLES.

Witnesses:

JAMES T. GRAHAM,
GEO. W. MABEE.