

(No Model.)

J. S. COEY.
SASH FASTENER.

No. 510,776.

Patented Dec. 12, 1893.

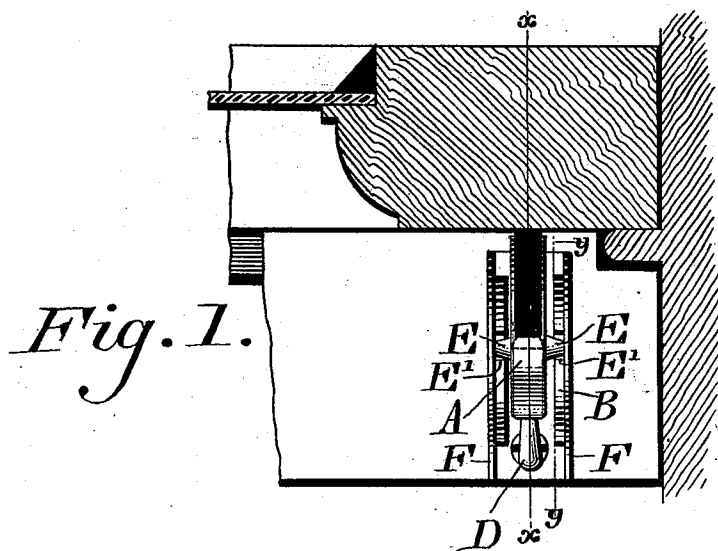
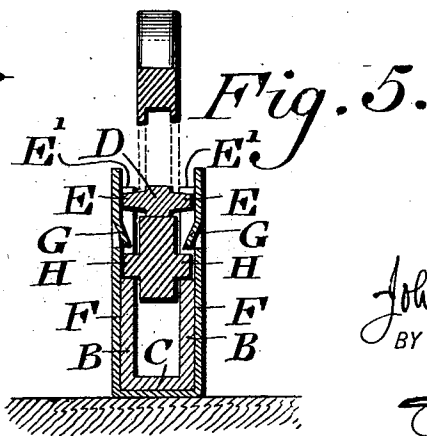
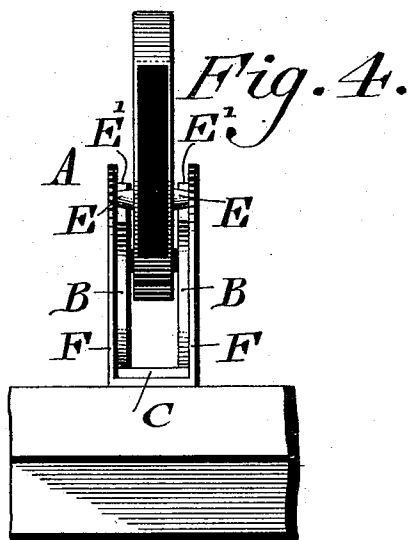
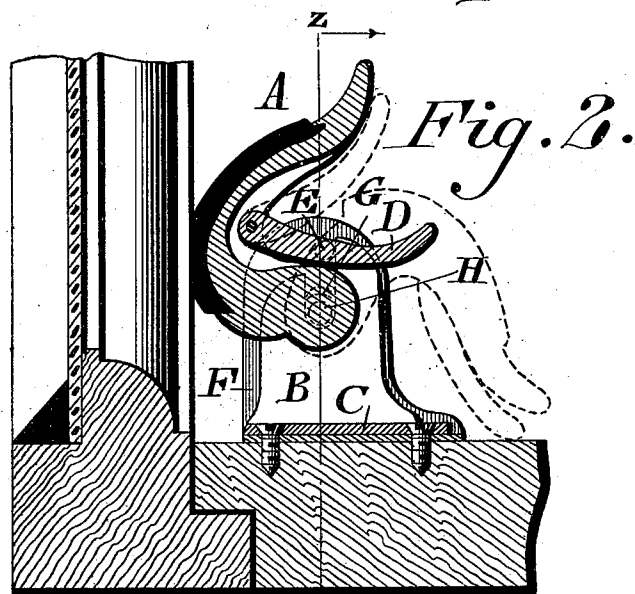
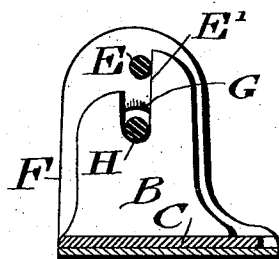


Fig. 3.



WITNESSES:

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JOHN SMILEY COEY, OF NEWARK, NEW JERSEY.

SASH-FASTENER.

SPECIFICATION forming part of Letters Patent No. 510,776, dated December 12, 1893.

Application filed April 24, 1893. Serial No. 471,535. (No model.)

To all whom it may concern:

Be it known that I, JOHN SMILEY COEY, a citizen of the United States, residing at Newark, in the county of Essex and State of New Jersey, have invented a new and useful Improvement in Sash-Fasteners, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a device for automatically fastening or locking sashes, so that the same may not be lowered or raised without the proper manipulation of the device, the construction being hereinafter set forth.

It also consists in providing the fastener with a sheath which prevents displacement of the journals of the dog of said fastener.

Figure 1 represents a top or plan view of a sash fastener embodying my invention. Fig. 2 represents a vertical section thereof, on line *x, x*, Fig. 1. Fig. 3 represents a vertical section on line *y, y*, Fig. 1. Fig. 4 represents a front elevation thereof. Fig. 5 represents a transverse vertical section on line *z, z*, Fig. 1.

Similar letters of reference indicate corresponding parts in the several figures.

Referring to the drawings: A designates a dog which is mounted on the ears B, the latter being provided with a bottom plate C, adapted to be secured to the meeting rail of the lower sash. The face of said dog A is elliptical in its nature, or eccentric to the axis thereof, and the same is adapted to come in contact with the stile of the upper sash, it being evident that there is a wedging and biting action of the dog with the upper sash when the lower sash is raised or the upper sash is lowered, and thus the fastening or locking of the sashes is assured, and improper opening thereof is prevented, the action being the same whether the sashes are entirely closed or partly open. In order to cause the dog to hold with greater frictional effect on the sash, the face thereof is clad with a piece of yielding material, such as soft rubber, the same pressing against the upper sash and also serving to prevent injury to the woodwork, said piece being set in a recess in the dog, and held

therein by a dovetailed joint or other fastening.

Pivotaly connected with the back of the dog and between its face and its pivot is a locking arm D, which has thereon laterally-projecting lugs E, so disposed that when the dog is in locking position, said lugs bear against shoulders E' at the top of the ears B and above the journals of the dog, thus preventing outward motion of the arm, and consequent release of the dog. When however, the arm is properly raised, the lugs are cleared of the shoulders E', and thus the lugs may ride over the tops of the ears, and the dog be thrown back, as shown in dotted lines Fig. 1, when the sashes may be raised and lowered as desired.

Embracing the ears B is a sheath F, whose sides have lips G thereon, said lips projecting inwardly and overhanging the upper portions of the journals H of the dog A, whereby said journals cannot be lifted from the ears B, in which they are seated, or displaced by an implement inserted from below or otherwise directed against the journals.

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

1. A sash fastener consisting of a dog, ears in which said dog is journaled, the said ears having shoulders above the journal bearings of said dog, and a locking arm pivoted to said dog and having laterally-projecting lugs adapted to engage said shoulders, said parts being combined substantially as described.

2. A sash fastener having ears, a dog journaled therein, and a sheath embracing said ears having inwardly-projecting lips overlying the journal of said dog, said parts being combined substantially as described.

3. A pivotal dog and bearing therefor, in combination with a sheath having a lip which overhangs the journal of said dog, substantially as described.

JOHN SMILEY COEY.

Witnesses:

ARTHUR PARKER,
JOSEPH DAVIES.