

(No Model.)

D. A. CHILDS.
KEY OPERATING DEVICE.

No. 358,649.

Patented Mar. 1, 1887.

Fig. 1.

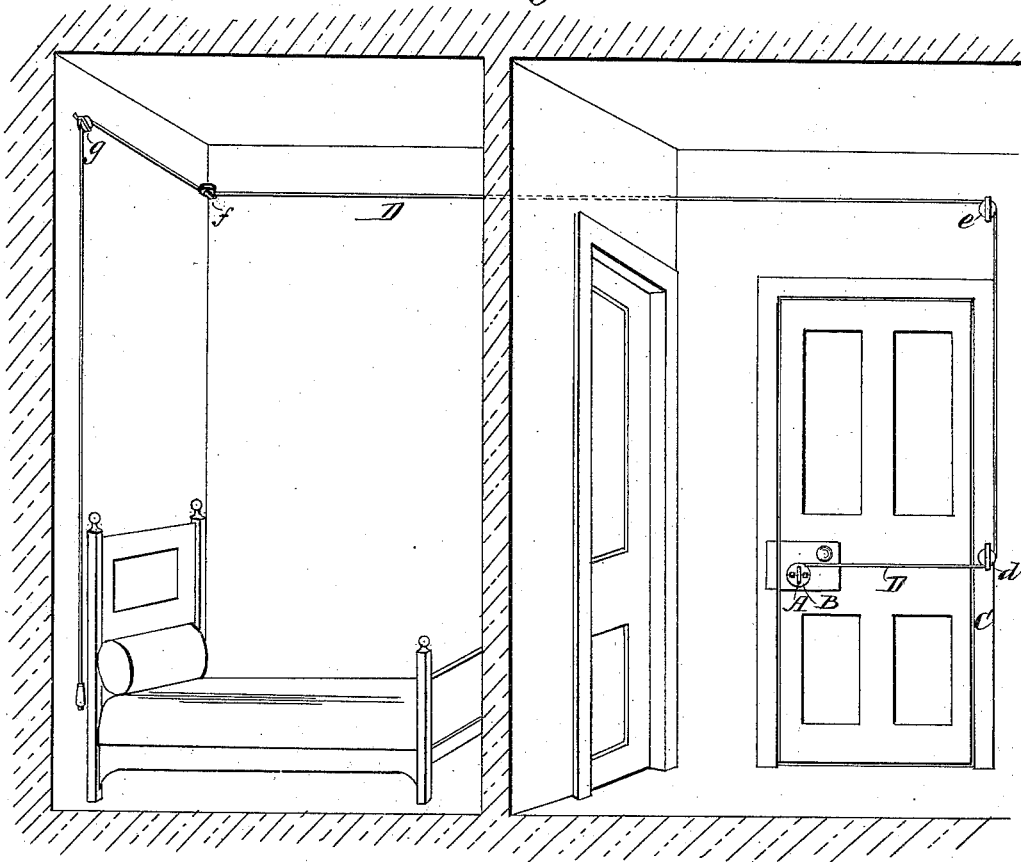


Fig. 2.

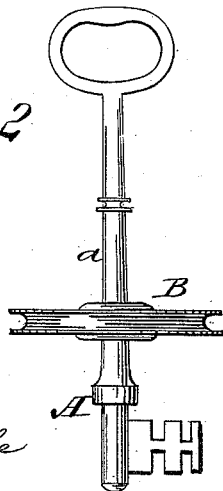
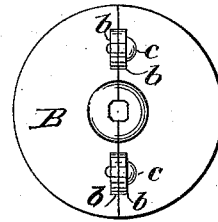


Fig. 3.



WITNESSES:
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DAVID A. CHILDS, OF COLUMBIA, SOUTH CAROLINA.

KEY-OPERATING DEVICE.

SPECIFICATION forming part of Letters Patent No. 358,649, dated March 1, 1887.

Application filed October 18, 1886. Serial No. 216,569. (No model.)

To all whom it may concern:

Be it known that I, DAVID AUGUSTUS CHILDS, of Columbia, in the county of Richland and State of South Carolina, have invented a new and Improved Turning Attachment for Door-Keys, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a perspective view showing the application of my improvement. Fig. 2 is a side elevation of a key to which my attachment has been applied, and Fig. 3 is a side elevation of the attachment.

Similar letters of reference indicate corresponding parts in all the views.

The object of my invention is to provide a simple and effective device for operating the keys of doors from a distance.

My invention consists in a split pulley adapted to be clamped upon the shank of a door-key, and grooved in its periphery to receive a cord extending over one or more pulleys to a distant point, the cord being partly wrapped around the split pulley on the key, so that when it is pulled it will turn the key and lock or unlock the door, according as the cord is wound in one direction or the other upon the split pulley.

The key A, which may be of any well-known form, carries upon its shank *a* a grooved pulley, B. This grooved pulley may be formed integrally with the key; but I prefer to apply to the key a split pulley, like that shown in Fig. 3, each half of the pulley being provided with ears *b* at the adjoining edges of the halves of the pulley, for receiving the screws *c*, by

which the halves of the pulley are firmly clamped upon the shank *a* of the key.

To the casing C of the door, at the hinged side thereof, is secured a pulley, *d*, and to the pulley B on the key A is secured a cord, D, which is wrapped partly around the said pulley B and extends around the pulley *d*, thence around the pulleys *e f g* to a distant part of the room in which the door opens, or to an adjoining room, as circumstances may require.

When it is desired to unlock the door, the pulling of the cord D revolves the pulley *d* and turns the key in the lock, so as to either withdraw or project the bolt, according as the cord is wound around the pulley in one direction or the other, to lock or unlock the door.

I am aware that a pulley has been secured to a knob shank or spindle, so that a door may be opened by means of a cord and pulleys from a distance, and I therefore do not claim such invention.

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

1. As an improved article of manufacture, a key provided with a pulley on its shank, as set forth.

2. The combination, with the key A, of the sectional pulley B, each section being provided with apertured ears *b* at the adjoining edges, and the screws *c*, substantially as herein shown and described, and for the purpose specified.

D. A. CHILDS.

Witnesses:

G. W. LESTER,
ED. G. SEIBELS.