

*James Brady*  
- Assignor to -  
*Branford Lock Works*  
- Invention -  
*Door Key*

104823

PATENTED JUN 28 1870

fig. 1

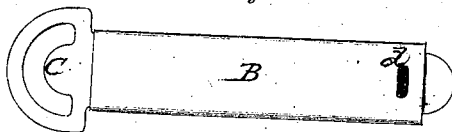


fig. 2

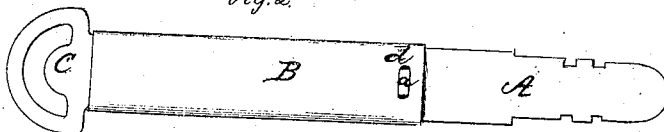


fig. 3



Witnesses  
*J. H. Shumway*  
*A. J. Tibbitts*

*James Brady*  
Inventor  
By his Attorney  
*H. Earl*

# United States Patent Office.

JAMES BRADY, OF BRANFORD, CONNECTICUT, ASSIGNOR TO THE BRANFORD LOCK WORKS, OF SAME PLACE.

Letters Patent No. 104,823, dated June 28, 1870.

## IMPROVEMENT IN DOOR-KEYS.

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, JAMES BRADY, of Branford, in the county of New Haven and State of Connecticut, have invented a new Improvement in Door-Keys; and I hereby declare the following, when taken in connection with the accompanying drawings and the letters of-reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this specification, and represent in—

Figure 1, a side view of the key closed.

Figure 2, a side view of the key extended; and in

Figure 3, a longitudinal central section of the key extended.

This invention relates to an improvement in flat or thin sheet-metal keys, the object being to extend the key for convenience of turning and at the same time to protect the bit and prevent its being worn, as it is well known that but a slight wear of the key materially effects the working of the lock.

My invention consists in a key formed from a single piece of sheet metal and combined with a rectangular tube, so as to slide into or be drawn from the said tube, and held in position when extended by a spring arranged within the key.

A is the bit of a common sheet-metal key.

B, a thin metal tube formed to extend partially or entirely around the bit, and so that the bit may be pressed into the tube, as in fig. 1, or drawn therefrom, as in fig. 2.

In the bit or key proper, A, I arrange a spring or latch, *a*, and through the tube a slot, *d*, so that when the key is drawn out, as in figs. 2 and 3, the end or latch of the spring will spring up into the said notch and hold the key in that position, but so that by pressing the latch down into the tube the key may be pressed back into the tube.

The tube of the key may be cheaply formed in like manner as are wick-tubes of common lamps, the outer end being provided with a sheet-metal bow, C, as seen in the drawings. Thus I form not only a protection for the key or bit, but, at the same time, an extension which makes the key more convenient for use.

I claim as my invention—

The key A, formed from a single piece of sheet metal, combined with a rectangular tube, B, and a spring-latch, *a*, within the key, the whole constructed and arranged in the manner specified.

JAMES BRADY.

Witnesses :

JOHN H. SHUMWAY,  
A. J. TIBBITS.