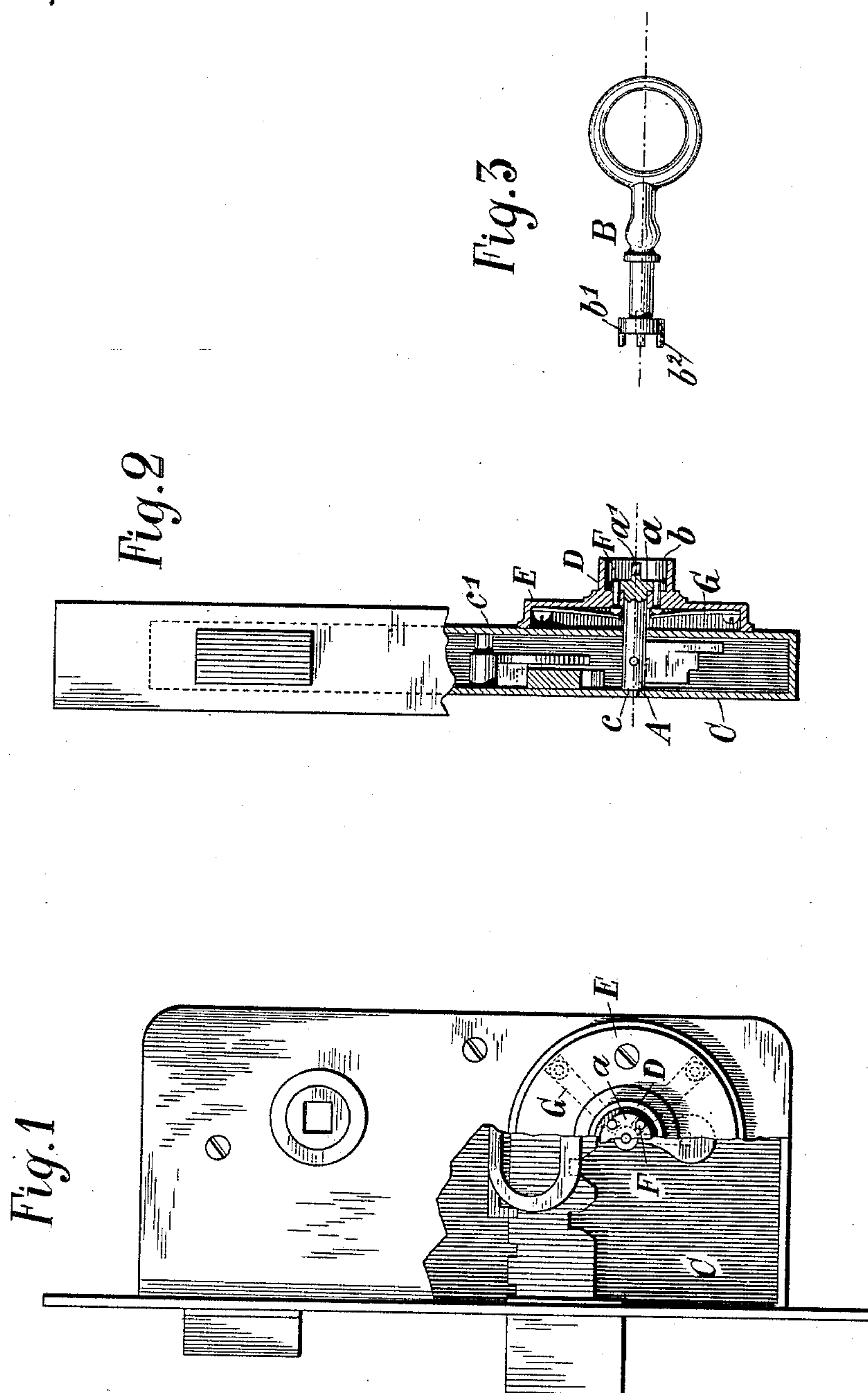


(No Model.)

J. VON SZECZY.
LOCK.

No. 450,778.

Patented Apr. 21, 1891.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JULIUS VON SZÉCSY, OF KUN-SZENT-MIKLOS, AUSTRIA-HUNGARY.

LOCK.

SPECIFICATION forming part of Letters Patent No. 450,778, dated April 21, 1891.

Application filed November 7, 1889. Serial No. 329,491. (No model.)

To all whom it may concern:

Be it known that I, JULIUS VON SZÉCSY, a subject of the Emperor of Austria, residing in Kun-Szent-Miklos, Austria-Hungary, have
5 invented a new and useful Lock with a Divided Key, of which the following is a full, clear, and exact description.

The locks now in use have the disadvantage that wax impressions of the keys and of
10 the locks may easily be taken for the purpose of duplicating them, and these duplicates may be used by burglars or other persons to open said locks.

The object of my invention is to so construct a lock that no impression can be taken
15 in wax or similar substances, as well as to prevent the opening of said lock by the use of a skeleton key.

The construction of said lock is illustrated
20 in the annexed drawings, in which—

Figure 1 is a side elevation, having a part of the side plate broken away, of a lock embodying my invention. Fig. 2 is a front elevation, partly in section; and Fig. 3 is a view of
25 the removable part of the key which is used with my improved lock.

The key to be used with my improved lock consists of two parts A and B. One part, consisting of the key-bit A, remains in the case
30 of the lock C, where it easily turns in the casing formed by the plates *c* and *c'*. The part *a* of the bit, Fig. 2, goes through the plate *c'* of the case and rests in a socket D, attached to the said plate *c'* of the case, and is shaped
35 like a disk, from which projects a stud *a'*. The edge of the disk *a* is provided with several suitably-placed recesses *b*, which may be arranged at suitable distances from each other and of a suitable depth. The other
40 part, Fig. 3, of the key ends with a disk-shaped head *b'*, instead of the usual key-bit, which also has recesses, so that the studs *b*² fit tightly into the recesses *b* of the disk *a*, while the stud *a'* fits into a corresponding recess in the handle of the key B. Consequently that part of the key A remaining in
45 the case can only be turned when the projections of the part B correspond exactly with the recesses of the disk *a* of the part A.

50 In order to insure both parts of the key fitting tightly into each other and to avoid

the possibility of any opening of the lock by counterfeit studs or keys, another case E is attached to the plates of the casing, and the studs F (for the purpose of fastening the key) 55 can be placed on the outer plate of the case, each of which studs is constantly pressed from behind by a spring G, situated in the recess of the disk *a*. These studs F are forced backward toward the interior of the lock only 60 when they are pressed therein by the studs *b*² of the part B. It will thus be seen that a lock constructed in this manner cannot be opened by means of counterfeit keys or nails. When the bit of the counterfeit key or the 65 nails are put in only a little farther than necessary they force themselves after the studs F in the recesses in the plates of the case E; but when they are only a little shorter than 70 necessary they do not project sufficiently beyond the recesses *b* of the disk *a*. In either case it is impossible to turn the part A of the key. The interior of the lock may be made in the usual manner.

The fitting of the parts of the keys into 75 each other is brought about as follows: The part A, on account of the weight of its bit, stands always so that the bit is in a vertical position.

Having fully described my invention, what 80 I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with the case and bolt, of a key-bit A, mounted in the case and adapted to rotate therein and having an outer 85 portion or head provided with recesses *b*, and spring-actuated pins F, filling said recesses, substantially as set forth.

2. The combination, with the case and bolt, of a key-bit A, mounted in the case and 90 adapted to rotate therein and having an outer portion or head provided with recesses *b*, spring-actuated pins F, filling said recesses, and the key portion B, having the studs *b*², substantially as set forth. 95

In witness whereof I have hereunto signed my name in the presence of two subscribing witnesses.

JULIUS VON SZÉCSY.

Witnesses:

HENRY DE VALZ,

F. J. FREDERICKSON.