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PATENT



SPECIFICATION

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Application Date (in United Kingdom), Feb. 12, 1918. No. 2528/18.

Complete Accepted, May 13 1920.

COMPLETE SPECIFICATION.

Improvements in or relating to Padlocks.

We, NÜRNBERGER METALL- & LACKIERWAARENFABRIK, vormals GEBRÜDER BING ACTIENGESSELLSCHAFT, of No. 16, Blumenstrasse, Nürnberg, Germany, Manufacturers, Assignees of PAUL BAUMGARTEN, formerly of 24, Paulsbornerstrasse, Berlin-Halensee, of No. 62, Eisenbahnstrasse, Berlin-Wilmersdorf, Germany, Merchant, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention has for its object to provide an improved padlock of the type comprising a hasp in the form of a ring.

10 In the improved padlock, a combination lock mechanism is provided for locking a ball or roller which serves in the usual manner to fasten the hasp, and which is rendered inoperative by lifting the padlock.

A constructional example of the improved padlock is illustrated in the accompanying drawings in which:—

15 Fig. 1 is a front view of the padlock with the divisions and letters on the divided circle. The setting pins are set for opening the padlock.

Fig. 2 shows the padlock, after removal of the cover plate, in the locked condition; the setting pins have been shifted, and the lock is therefore locked.

20 Fig. 3 is a similar view of the padlock in the unlocked condition, the setting pins being in the same positions as Fig. 1. The ball *c* is situated in the notches of the discs *d*.

Fig. 4 is a cross section of the padlock.

The improved padlock may be made in all sizes; it comprises the following parts which it is not desired to claim separately, namely:—

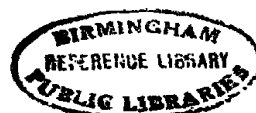
25 1. The divided case *a* of pressed or cast metal formed with a groove for the ring *b* and with a groove for the ball or roller *c* and also with a slot with a divided circle on the upper side. When more than two discs are employed slots may be provided on both sides, their divisions being marked by letters or numbers.

30 2. The split ring *b* which can be readily turned in the corresponding groove of the case.

3. The ball or roller *c* which is likewise readily movable in a groove of the case, but is of greater cross section than the ring *b*, so that it cannot be forced into the groove for the ring, and will therefore hold the latter fast in the locked position.

35 4. The discs *d* each formed with a slot which is adapted to receive the ball

[Price 1/-]



or roller, and each with a pin on its outer edge for the purpose of adjusting the said discs to the opening letters.

The opening of the padlock is effected by setting the discs *d* to the letters or numbers provided for that particular lock. By this means the notches in the discs come above the ball or roller. On turning the lock round with its under- 5 side uppermost the ball or roller will drop between the discs and thus release the ring which is then rotated until its open side comes outermost, whereupon the padlock can be removed.

To lock the padlock, the latter is hooked into the staple, and the ring is turned round until the ball or roller drops into the open side of the ring, where- 10 upon the discs can be set to any desired position so that they will hold the ball or roller fast in its position between the ring, so that the latter can no longer be rotated.

Other opening letters or numbers may be chosen for each particular padlock, the knowledge of which said letters or numbers will constitute the key for that 15 particular padlock.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A padlock with a ring-shaped hasp, comprising a combination lock- 20 mechanism for locking the usual ball or roller that serves to fasten the hasp.

2. The improved padlock constructed and operating substantially as herein- before described and also as illustrated in and by the accompanying drawings.

Dated this 3rd day of January, 1918.

MARKS & CLERK. 25

Fig. 1

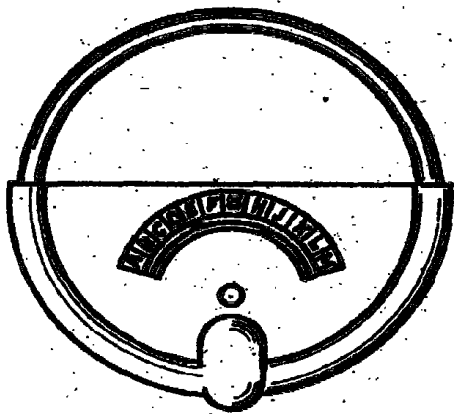


Fig. 2

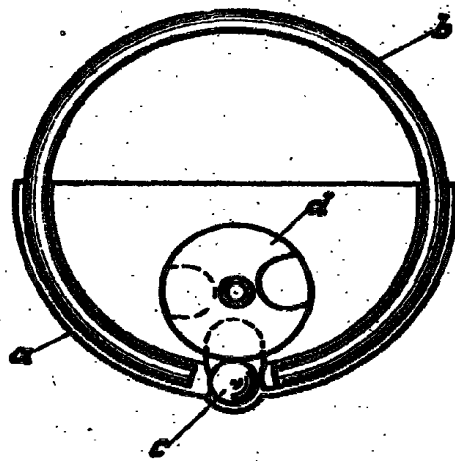


Fig. 3

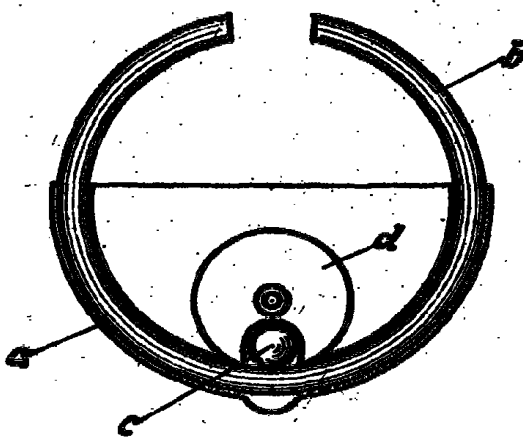
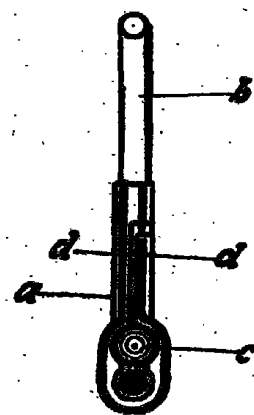


Fig. 4



[This Drawing is a full-size reproduction of the Original.]

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