Sept. 12, 1961 R. L. RAYE 2,999,377

PADLOCK HOUSING

Filed May 11, 1960

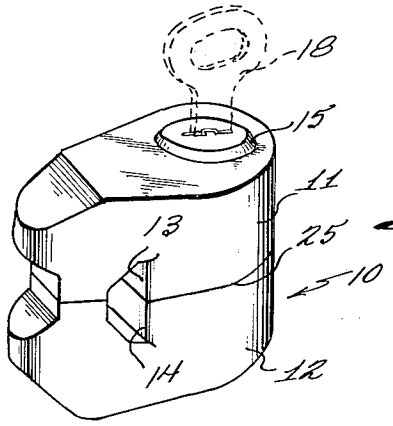


Fig. 1

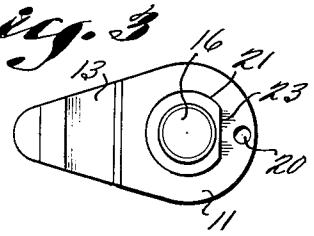


Fig. 3

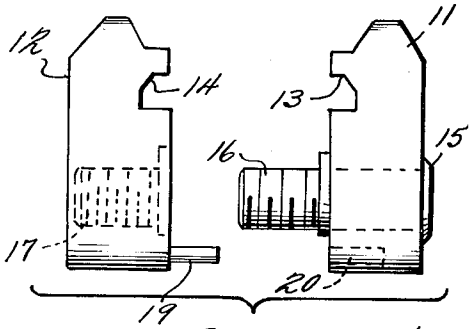


Fig. 2

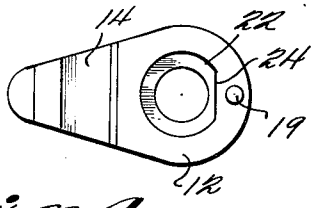


Fig. 4

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PADLOCK HOUSING

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This invention relates to a padlock housing, and has as its primary object the provision of an improved padlock wherein the tumblers, cam and other working parts of the lock are positioned in a compact, self-enclosed housing so connected and held together that the shackle and bolt cannot be forced open with a screwdriver or other similar tool by thieves.

An additional object of the invention is the provision of such a lock wherein the component parts fit tightly and snugly together leaving substantially a hair line which precludes the introduction of any tool into the working parts.

Still another object of the invention is the provision of such a lock which is exceptionally sturdy and durable in construction, reliable and efficient in operation and relatively simple and inexpensive to manufacture and assemble.

Other objects will in part be obvious and in part be pointed out as the description of the invention proceeds and shown in the accompanying drawing where there is disclosed a preferred embodiment of this inventive concept.

In the drawing:

FIGURE 1 is a perspective view of one form of lock embodying features of the instant invention, the key therefor being indicated in dotted lines.

FIGURE 2 is a side elevational view of the component parts of the lock in separated position, certain concealed parts being shown in dotted lines.

FIGURE 3 is an elevational view of the inside of one portion of the lock.

FIGURE 4 is an inside view in elevation of the opposite portion of the lock.

Similar reference characters refer to similar parts throughout the several views of the drawing.

Having reference now to the drawings in detail, there is generally indicated at **10** a lock constructed in accordance with the instant invention, which comprises a male half or portion **11** and a corresponding female portion **12**. The portions **11** and **12** are relatively solid heavy duty material, and instead of the conventional shackle which may be readily pried apart or broken, the body of the lock itself is provided with an indentation, formed of two cutaway portions **13** and **14** on the inner faces of the relative components **11** and **12**, as best shown in FIG. 2.

The male member **11** has positioned therein a conventional lock barrel, generally indicated at **15**, which contains the usual tumblers (not shown), and which terminates in the threaded male members **16**. Member **16** is adapted to be received in a threaded socket **17**, and the lock mechanism is operated by a conventional key **18**. A pin **19** carried by the member **12** engages in the corresponding socket **20** carried by the member **11**, to prevent rotation of the parts when the key turns to turn the lock barrel **15**. In order to insure tight fitting of the parts, and further to preclude rotation, the member

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11 is provided with a flanged shoulder **21**, surrounding the barrel portion **16**, and integral with the face of the inner side of member **11**, which member **21** is adapted to seat in a corresponding groove or socket **22** in the opposed member **12**. Both shoulder **21** and socket **22** are provided with flat portions **23** and **24**, respectively, to further resist rotation of the components. When the lock is in the assembled position as shown in FIG. 1, it will be seen that the co-acting cutaway portions **13** and **14** form a relatively snug socket which is adapted to be fitted about any desired article to be locked, the fit being very snug, so that a screwdriver or pry bar will not be permitted entry to pry the components apart. Additionally, it will be seen that due to the previously described arrangement of parts, the two members **11** and **12** fit together snugly in substantially a hairline **25**, as seen in FIG. 1, so that it is impossible to insert any sort of prying instrument at the end of the interior of the lock to gain access to the lock barrel or tumblers.

From the foregoing it will now be seen that there is herein provided an improved padlock housing, which accomplishes all the objects of this invention, and others, including many advantages of great practical utility and commercial importance.

As many embodiments may be made of this inventive concept, and as many modifications may be made in the embodiment hereinbefore shown and described, it is to be understood that all matter herein is to be interpreted merely as illustrative and not in a limiting sense.

I claim:

1. A padlock housing comprising in combination a male member including a relatively heavy housing having an inner face, a generally circular shoulder flange formed on said face and having a flat face on a portion of its circumference, a lock barrel in said housing, a threaded extension on said barrel extending from said inner face and through said shoulder flange, the inner face of said male housing member having an inwardly extending bore adjacent said extension, a female member comprising a second relatively heavy housing including a confronting inner face, a threaded socket therein for reception of said threaded extension, a generally circular counter-sink surrounding said threaded socket, said counter-sink having wall portions complementary to the wall portions of the shoulder flange on said male member and adapted to receive the same, a pin extending outwardly from the confronting inner face of said female member and extending into the bore in said male member, said shoulder flange and counter-sink and said pin and bore preventing relative rotation of said male and female members when in locked position, and a recess extending into at least one of said housings from the inner face thereof for the reception of an article to be locked.

2. A structure as defined in claim 1 wherein said male and female members include wall portions defining identical recesses, said recesses being complementary when said male and female members are in a locked position whereby an article to be locked is held therein.

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