

H. BUDD.
COVER FASTENER.

APPLICATION FILED AUG. 26, 1911. RENEWED DEC. 31, 1913.

1,104,872.

Patented July 28, 1914.

Fig. I.

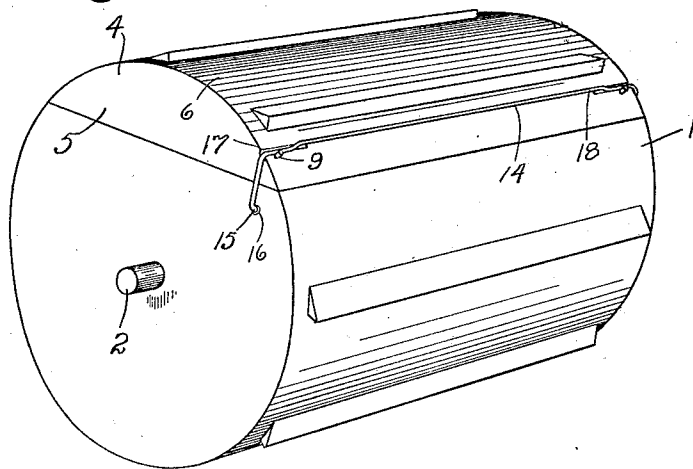


Fig. III.

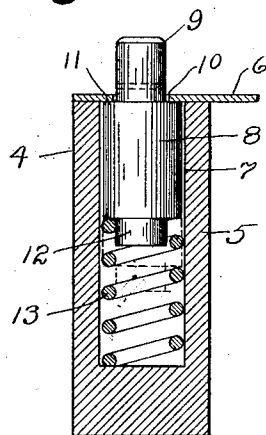
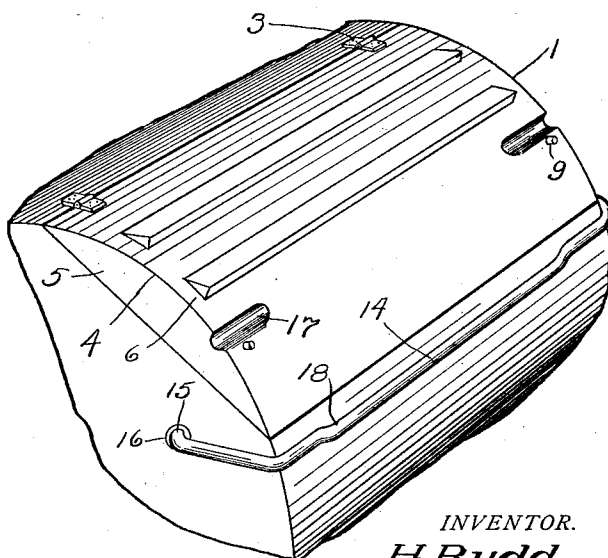


Fig. II.



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COVER-FASTENER.

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To all whom it may concern:

Be it known that I, HARRY BUDD, a citizen of the United States, residing at Independence, in the county of Montgomery and State of Kansas, have invented certain new and useful Improvements in Cover-Fasteners; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to cover fasteners and more particularly to a latch for the lid of a washing machine cylinder, the object of the invention being to provide a device of that character by which the cylinder lid may be quickly and securely fastened in its closed position and may be easily and quickly unfastened. In accomplishing this object I have provided the improved details of structure, hereinafter described and illustrated in the accompanying drawings, in which:

Figure I is a perspective view of a washing machine cylinder having a cover fastener constructed according to my invention. Fig. II is an end view of same. Fig. III is an enlarged detail view in longitudinal section of the latch plunger and its socket.

Referring more in detail to the parts: 1 designates the body of the cylinder which is provided with gudgeons 2, by means of which it may be revolubly mounted in a suitable tub.

Secured to the main body of the cylinder, by hinges 3, is a segmental cover 4, the free edge of which is adapted to seat flush on the edge of the main body to form a smooth periphery for the complete cylinder. At the ends of the cover section 4 are blocks 5, to which the sheet metal shell 6 is secured. In the blocks 5, near the free ends thereof, are sockets 7.

Slidably mounted within the sockets 7 are plungers 8 having heads 9 which project through apertures 10 in the cover shell 6, said heads being of less diameter than the bodies of the plungers to form a shoulder 11

for abutment against the shell 6, in order to limit the inward movement of said heads and confine the bodies of the plungers within the sockets. At its inner end, each of plungers 8 has a stud 12 of less diameter than the body 8 and surrounding said stud is a coiled spring 13, which seats in the bottom of the socket and yieldingly supports the plunger 8, so that the head 9 is held in its projected position. The end of the head 9 is preferably beveled, as shown clearly in Fig. III.

14 designates a bail which is preferably formed of strong wire, having end portions bent over the ends of the cylinder, and tips 15 revolubly mounted in bushings 16 in the cylinder heads, so that the bail may swing toward and from the latch heads. In the blocks 5 are grooves 17, within which the end portions of the bail wire 14 are adapted to seat, the central portion of the wire being bent outwardly to form a grip 18.

In using my improved cylinder, the lid is closed and the bail 14 turned over the plunger heads 9, so that the latter are depressed against the tension of the springs 13 to allow the bail to seat therebehind, the plungers being automatically returned to their projected positions as soon as they are freed from the pressure of the bail. With the parts in the position described, the bail is held securely in place, and in turn holds the lid to the cylinder while the latter is in use.

When it is desired to open the cylinder, the plungers 8 are depressed against the tension of their springs, so that the bail may be swung on its pivotal mounting to free the lid, the raised central portion of the bail forming a grip, which the operator may grip while depressing the pins with the thumbs.

Having thus described my invention, what I claim as new therein and desire to secure by Letters-Patent is:—

1. The combination with body and cover members, of plungers carried by one of the members, and a bail carried by the other member and adapted to seat back of the plungers, said bail having a raised handle portion substantially as set forth.

2. The combination with a body member and a cover, of a bail pivotally mounted on the body member and adapted to lie over a part of the cover, and plungers on said cover
5 adapted to hold the bail in locking position, said cover being provided with grooves back of the plungers, and said bail being provided with end members which are adapted

to seat within the grooves, and with a central, raised handle portion.

In testimony whereof I affix my signature in presence of two witnesses.

HARRY BUDD.

Witnesses:

A. W. SHUERLUS,

A. C. STICH.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."